

行政院及所屬各機關出國報告  
(出國類別：國際學術組織及研討會)

參與國際高等農業教育及研究組織促進農業國際合作  
出國報告

服務機關：國立屏東科技大學

出國人員：周昌弘 校長

古源光 主任

出國區域：基輔、烏克蘭

出國期間：92年9月20日至9月26日

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參與國際高等農業教育及研究組織促進農業國際合作

主辦機關:

國立屏東科技大學

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古源光 國立屏東科技大學 食品科學系 教授

出國類別: 其他

出國地區: 烏克蘭

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內容摘要:

GCHERA (Global Consortium of Higher Education and Research on Agriculture, 全球農業高等教育暨研究聯盟) 於1998年成立, 其宗旨為結合全世界之農業高等教育及研究組織面對全球之挑戰, 以達成農產品及糧食生產之品質與安全供應無虞, 並提供對農業環境之永續保護。目前GCHERA共有全世界136個國家之403個個人或團體會員, 其最高決策及執行委員會包含有各洲或地區代表。2001~2003年期間之主席為烏克蘭共和國國家農業大學 (National Agricultural University of Ukraine) 之校長Rector Dmytro Melnychuk。2003年9月22日至24日召開之第三次全球年會, 其主題為「全球高等農業教育及研究之改革: 因應糧食及農業產品品質與安全之挑戰」, 分項主題則包括農業教育及研究之相關領域、農業經濟、農業永續經營、農業人才培育、土地開發及自然資源利用等相關議題。會議期間為92年9月22日至9月24日共計三天, 會中安排來自各國之學術領袖、大學校長、教授、專家等進行專題演講及報告, 其中第一天之大會 (First Plenary Session) 為安排在基輔市之Ukrainian House Assembly Hall舉行, 本校周昌弘校長被邀請為當日之主講人之一, 發表由周昌弘和古源光共同著作之專題報告” Cultivating Agricultural Experts for Developing Countries - the National Pingtung University of Science and Technology Experiences”, 其內容為發表自1998製2003年期間屏科大協助開發中國家培訓農業專家人才之成果, 獲得與會國家代表極大之迴響, 並對本校對國際會之服務與貢獻, 倍予肯定。本校也藉此機會與歐美日等先進國家代表, 及來自非洲、中南美洲、東歐及中亞地區等之開發中國家代表會商進一步之農業國際合作之可能性, 對我國開拓國際農業學術外交應有極大之助益。此外, 代表國際合作發展基金會出席之我國另一名代表李栢淳助理秘書長也在分組討論發表論文, 其題目為” Making a World of Difference - Technology Transfer and Human Resources Development”。本人除與周昌弘校長共同發表論文外, 另外在” Higher Agricultural Education in Tropics and Subtropics” 主題分組報告中, 再次詳述

屏東科技大學與國際合作發展基金會共同合作，在非洲、中南美洲及東南亞地區等之農業學術合作案例。此次會議地點選在東歐之烏克蘭，對於各國與會代表有諸多之不便，但透過大會之努力，仍邀請到共37個國家及將近300名之會員參與，盛況空前。值得我國注意的是此次中國共派出八名代表與會，其中浙江大學副校長程家安教授為GCHERA 2001~2003年之副主席，並在此次大會中，順利當選為2003~2005年之主席，亦即2005年之第四次GCHERA大會將在中國浙江杭州舉辦，屆時台灣能否以此名義與會，尚有待密切注意其發展。唯此次台灣之與會代表雖僅有三人，但每人均在不同場合上以非常流利之英語上台發表，讓與會各國代表印象深刻。反而大陸之八個代表中僅有浙江大學副校長程家安教授一人在閉幕前上台發表GCHERA之未來展望。本人深切期盼國內主管農業之農委會、國科會，以及台灣大學之生物資源及農學院、中興大學農學院等均能與屏科大、國合會一同努力，積極參與此國際組織，透過農業學術外交，與全球之各開發中國家建立良好之邦誼。

本文電子檔已上傳至出國報告資訊網

## 一、前言及目的

台灣自2002年1月1日開始成為WTO之第144個會員國，其意義乃為對其他會員國有開放的市場及自由貿易之義務。參與WTO現階段對台灣之衝擊尚難以量化的估計，但根據台灣產業的特性，無論從定性或定量之觀點分析，農業無疑將受到空前巨大之影響，其層面將包含農業生產、加工，一直到市場行銷。因此，行政院農業委員會及國內農業高等教育學府或研究單位，更應該積極參與國際農業學術組織，以便及早獲取全世界農業發展趨勢，進一步與WTO各會員國發展出合理互惠之雙邊或多邊農業合作關係。

GCHERA (Global Consortium of Higher Education and Research on Agriculture, 全球農業高等教育暨研究聯盟) 於1998年成立，其宗旨為結合全世界之農業高等教育組織面對全球之挑戰 - 農產品及糧食生產之品質與安全，以及環境之永續保護。目前GCHERA共有來自全世界136個國家之403個個人或組織會員，其最高決策及執行委員會包含有各洲或地區之代表。GCHERA之任務是透過農業高等教育或研究的手段，達成解決糧食供應無虞及永續環境保護問題，並協助農業及應用科學類科大學之教學研究之改革。

目前全世界之農業高等教育學府或研究單位均面臨巨大之挑戰，諸如日益減少之資源分配、農業學生之人數下降、無法與資訊及其他高科技相抗衡、對於消費者之意識及責任，甚至農業推廣等問題均呈現反應緩慢之現象。上述問題之尺度或因各國或地區之條件而有所區別，但其挑戰之問題本質仍有許多共通之特性。對這些問題之認知，並將之視為與政治經濟等複雜因素共同之挑戰，將有助於減少國與國之間之障礙，並促成全世界各大學間能共同面對此問題而攜手合作，雖然目前之國際農業學術組織並無此強制能力來從事此項艱鉅之任務。

台灣為世界貿易組織之會員國，自然無法免於自由貿易對農業及其相關產業及產品之衝擊，在台灣逐漸邁入工業化國家之林之際，與電子及半導體產業比較，台灣之農業似乎已不如往昔般重要，此問題將隨電子及半導體產業之快速進步而更形嚴重。因此，為跟上高科技產業之快速進步，台灣農業之發展重點必需與高科技產業結合，其中諸如發展生物技術、精密農業、及農業生態研究等方案，加上改良之貯藏技術及暢通之洲際糧食運輸、全球農業高等教育學府或研究單位

間之密切合作等，均將有助於未來國際農業進一步之合作發展，因此培養未來農業之高級科技人才也將成為21世紀之另一個挑戰。

國際合作能促成農業教學及科學研究之發展，藉由參與國際高等農業學術組織，協助台灣傳統農業轉型成為高科技高效率之產業，並進而促進台灣農業之國際合作，將是本計畫之最終目的。

2003年9月22日至24日召開之第三次全球年會，其主題為「全球高等農業教育及研究之改革：因應糧食及農業產品品質與安全之挑戰」，分項主題則包括農業教育及研究之相關領域、農業經濟、農業永續經營、農業人才培育、土地開發及自然資源利用等相關議題。會議期間為92年9月22日至9月24日共計三天，會中安排來自各國之學術領袖、大學校長、教授、專家等進行專題演講及報告，其中第一天之大會 (First Plenary Session) 為安排在基輔市之 Ukrainian House Assembly Hall 舉行，本校周昌弘校長被邀請為當日之主講人之一，發表由周昌弘和古源光共同著作之專題報告”Cultivating Agricultural Experts for Developing Countries - the National Pingtung University of Science and Technology Experiences”，其內容為發表自1998至2003年期間屏科大協助開發中國家培訓農業專家人才之成果，獲得與會國家代表極大之迴響，並對本校對國際會之服務與貢獻，倍予肯定。本校也藉此機會與歐美日等先進國家代表，及來自非洲、中南美洲、東歐及中亞地區等之開發中國家代表會商進一步之農業國際合作之可能性，對我國開拓國際農業學術外交應有極大之助益。

## 二、出國會議及訪問行程

### (一)、出國會議及訪問行程總表

日期	重要紀事	備註
9月19日 (星期五)	起程前往基輔、烏克蘭	
9月20日 (星期六)	1.午後抵達烏克蘭基輔國際機場；2.下午拜會烏克蘭國家農業大學校長 Dr. Dmytro O. Melnychuk 及負責國際合作 Dr. Alla Kravchenko 並致邀請函請其來台訪問及洽談國際農業學術合作事宜；3.晚間參加歡迎晚宴。	
9月21日 (星期日)	1.參加由 GCHERA 大會及烏克蘭國家農業大學主辦之基輔市古蹟文化之旅；2.與各國與會代表聯誼並交換參與 GCHERA 之經驗交流；3. 晚間由烏克蘭國家農業大學商學院院長 Prof. Dr. Sergiy M. Kvasha 設宴款待。	ICDF 助理秘書長李栢淳博士本日抵達。
9月22日 (星期一)	1.參加在基輔市 Ukrainian House Assembly Hall 舉行之 GCHERA 大會開幕典禮；2.周昌弘校長發表專題報告“Cultivating agricultural experts for developing countries – the NPUST’s experiences”；3.參加在 Ukrainian House 舉行之 GCHERA 大會歡迎晚宴。	
9月23日 (星期二)	1. 上午參加在烏克蘭國家農業大學校園內舉行之分組會議 (Working group: Higher agricultural education in tropics and sub-tropics)，並報告本校在熱帶及亞熱帶地區之農業國際合作概況；2. 中午參加在 Department of Agro-ecology and Environmental Protection 由系主任 Dr. Valentina Pildisnyuk 主持之 Biodiversity roundtable meeting，與會代表除本人與美國喬治亞大學之 Professor Dr.	周昌弘校長本日先行返國。

	<p>Edward Manematsu 外，其餘為來自東歐及中亞國家之代表，對台灣在農業永續經營及生態環境保護之投入及努力均表肯定，並表示合作意願；3.下午參加 Agricultural economics, management and marketing 之分組報告，並被主持人邀請上台報告台灣相關之農業發展策略；4.傍晚參觀烏克蘭國家農業大學之實習農場 Kiev Region 之 Teplichniy Agro-industrial Enterprise，其為前蘇聯時期之集體農場，目前由烏克蘭國家農業大學經營管理，農場員工超過六千人，可知其規模知大，以種植洋香菇著名於前蘇聯時期。晚宴由農場主任擔任主人，以非常傳統之烏克蘭菜餚及方式款待，初次領會烏克蘭人之熱情好客。晚宴間，本人被主人邀請報告台灣進步之現況及經驗。</p>	
<p>9月24日 (星期三)</p>	<p>1.上午參加大會之第三次全體專題會議(the 3<sup>rd</sup> plenary session)，聆聽各國代表之報告，其中敘利亞代表也是國際乾旱地帶農業研究中心(International Center for Agricultural Research in the Dry Areas)之總裁 Director General Dr. Adel El-Beltagy 之專題報告令人印象深刻，可作為後續合作之對象；2.下午參加大會之各分組(working groups)結論報告及閉幕儀式；3.下午參加 GCHERA 大會在烏克蘭國家農業大學之立碑紀念儀式，並再次面邀校長及其學校主管蒞台訪問；4.晚間與 ICDF 助理秘書長李栢淳博士及希臘 American Farm School, Dean of College of Agricultural Studies Dr. Evangelos A. Vergos 共進晚餐，並談及未來與希臘農業合作之議題，以及未來 ICDF 在東歐及中亞地區從事合作時以希臘 American Farm School 及為跳板之可能。</p>	



9月25日 (星期四)	本日由烏克蘭國家農業大學之 Department of Agro-ecology and Environmental Protection 系主任 Dr. Valentina Pildlisnyuk 及其同事 Dr. Tatyana Stefanovska 陪同赴烏克蘭第二大城及第二古老之城市 Chernigiv 訪問。	
9月26日 (星期五)	起程經由德國及香港返國。	
9月27日 (星期六)	返抵台灣。	

## (二)、參與會議及訪問之重要紀事

1. 拜會烏克蘭國家農業大學校長 Dr. Dmytro O. Melnychuk 及該校負責國際合作之教授 Dr. Alla Kravchenko，並致邀請函請其來台訪問及洽談國際農業學術合作事宜，冀望能因此建立台烏間之農業學術交流管道。
2. 與美國喬治亞大學 (University of Georgia) 負責國際農業學術交流 (International Agricultural Program) 之教授 Dr. Edward Kanematsu 夫婦於研討會期中再次會面，其曾於前年及去年多次蒞台，與本人相遇於多次之國際研討會場合，並積極建立與屏科大之學術交流。
3. 與哥斯達黎加 EARTH 校長 Dr. José A. Zaglul 夫婦於研討會期中再次會面，本人曾於六年前訪問該校，並曾接待過該校一位菲律賓籍教授來屏科大訪問，因此與之相熟。Dr. José A. Zaglul 在本次研討會期中擔任 GCHERA 執行委員會 (Executive Committee) 委員，且被推選為 2005 ~ 2007 年之主席，將負責舉辦 2007 年之第五次全球年會，其將會力挺台灣在之會籍及各項活動參與之權利義務。
4. 與阿拉巴馬農工大學 (Alabama A&M University) 國際合作處主任 (Director Office of International Programs) Dr. B. Onuma Okezie 建立合作管道，Dr. Okezie 與許多開發中國家之大學均有合作，未來可邀請其與本校之開發中國家研究中心共同合作。
5. 與希臘 American Farm School 之 College of Agricultural Studies 院長 Dean Dr. Evangelos A. Vergos 建立合作管道，其對台灣農業先進之技術及經驗深

感興趣，在得知台灣之國際合作發展基金會與本校有多年之合作經驗，且知國合會將拓展在東歐、南歐、及中亞一帶之國際農業合作時，主動要求以希臘及 American Farm School 作為台灣之前進上述地區國家之基地，目前正由本人與國際合作發展基金會李栢淳助理秘書長與其密切聯繫，期能將來與之合作。

6. 與中國浙江大學副校長程家安教授於 GCHERA 會中再次會面，程教授曾蒞校訪問，且與本人有多次在國際研討會場合相遇，目前為 GCHERA 之副主席，但在本會期已被正式推選為 2003 ~ 2005 之主席，亦即 2005 年之第四次 GCHERA 全球年會將要在浙江杭州舉行。程家安教授在烏克蘭之會場上非常禮貌邀請我們屆時一定要前來與會，但未來我國能否以台灣名義參加，值得相關單位密切注意其發展。
7. 國際乾旱地帶農業研究中心(ICARD, International Center for Agricultural Research in Dry Areas)之總主任(Director General) Dr. Adel El-Beltagy 在第三場專題報告(the third plenary session) “Challenges of agricultural development in dry areas: Impact of research and education”，其中有些地區及國家目前亦為台灣國際合作發展基金會有派駐技術團之所在，國際合作發展基金會目前正在尋求與其他國際組織之合作，可考慮與 ICARD 建立一固定之合作關係。
8. 此次 GCHERA 全球年會吸引許多來自前蘇聯國家之代表，其對我國國際合作發展基金會及屏科大之協助開發中國家之國際人道援助工作深表興趣，並深切希望與屏科大建立農業方面之國際學術交流合作。本人也在會場及會後試著與其討論如何合作，唯一般而言其英語之溝通能力較弱，且大多僅能以俄語與其他國家代表溝通，深為不便。未來屏科大及我國國際合作發展基金會欲在此地區建立合作案例，需有通曉俄語者方能得到較佳之結果，但與這些國家之農業國際學術交流合作應具有相關之指標作用，因此建議國際合作發展基金會及屏科大應繼續在此地區之努力。

### 三、心得報告

1. GCHERA 共有來自全世界 136 個國家之 403 個個人或組織會員，其最高決策及執行委員會包含有各洲或地區之代表，為目前全世界最大且最具影響力之國際農業學術組織。GCHERA 之宗旨是透過農業高等教育或研究的手段，達成解決糧食供應無虞及永續環境保護問題，並協助農業及應用科學類科大學之教學研究之改革。我國目前有台灣大學、中興大學、及屏東科技大學為團體會員，本人為個人會員。但此次 2003 年年會僅有周昌弘校長、國際合作發展基金會李栢淳助理秘書長、及本人等三人參加，與中國之八人代表團相較實有待再推廣加強(註：2001 年之舊金山第二次年會台灣亦僅有含本人四人與會)。幸而吾等三人在此國際會議場合均能以非常流利之英語發表論文及意見，並參與討論，雖需分開在不同之分組，但已發揮單兵作戰之能力及功效，因此在三天會期內仍使其他國家代表留下非常深刻之好印象，並建立未來合作之管道。未來 2005 年年會將在中國浙江杭州舉行，應鼓勵及補助更多農業相關之產官學代表前往參加，以便讓全世界之代表更清楚認識台灣在國際農業上之貢獻。
2. 烏克蘭共和國為前蘇聯國家之一，土地廣大肥沃，為東歐著名之穀倉，但農業技術仍停留在第一級生產，其相關之農產品加工保存技術及產業並不發達，因此仍有相當之空間與機會與台灣在農業方面之合作，此部份建議由農委會、國科會、農業研究單位、及各大學之農學院推動與之合作。
3. 目前前蘇聯國家之簽證不易取得，且費用甚高，不利前往這些國家之訪問與合作推展，未來需透過外交部及駐東歐地區代表之努力，與之建立雙邊互惠合作關係。

#### 四、建議

1. 目前屏東科技大學正邀請烏克蘭國家農業大學校長來臺訪問，日期正聯繫安排中，其來台之行程已初步提供建議給對方參考，唯經費尚無著落。未來初步確定日程後，將向教育部國際文教處申請經費補助。
2. 2005年在中國召開之年會，建議由教育部、農委會、國科會召集國內有農業相關之研究單位及大學，與國際合作發展基金會共同籌組代表團前往參加。
3. 加強我國在東歐、中亞地區之農業合作及國際人道援助。
4. 加強參與其他之國際農業學術組織之活動，並與之建立合作關係。

## 五、附錄

訪問及參與會議之照片實錄



周校長致邀請函給烏克蘭農業大學校長  
Dr. Dmytro O. Melnychuk



兩校校長握手合影



參加歡迎晚宴



烏克蘭國家會議中心為研討會之會場  
Ukrainian House



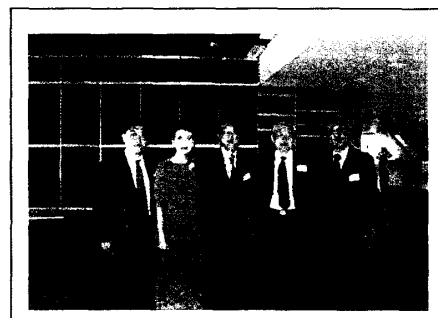
與烏克蘭農業大學接待人員合影



烏克蘭農業大學商學院院長晚宴款待



周校長(中)、李助理秘書長(右)、古源光(左)



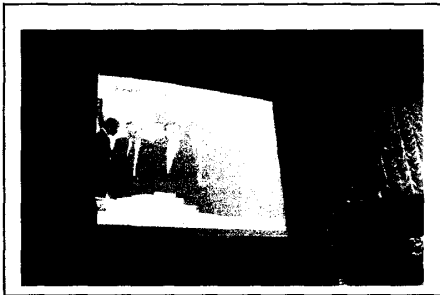
與喬治亞大學 Dr. Kanematsu 教授夫婦合影



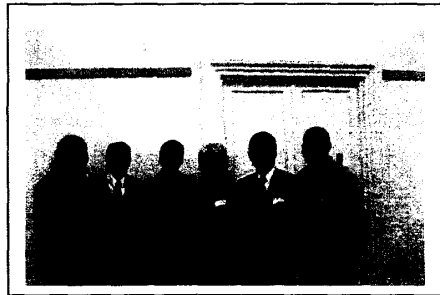
與 NAUÜ(右二)及 EARTH(右一) Rectors 合影



與 NAUÜ Dr. Valentina (左一)、Dr. Tatyana(左二)及澳洲UWS Dr. Mulley (右一) Rectors 合影



周校長發表專題講演



與 EARTH 校長(左二)、NAUÜ Dr. Tatynan(左四)及 AAMU Dr. Okezie(右一)合影



參加 Dr. Valentina(左二)主持永續農業之會議



參加開幕典禮



會後與 NAUÜ Rector Dr. Melnychuk(左二)及浙大程副校長(右二)合影



會後與 NAUÜ Dr. Kravchenko(左一)等合影



Cultivating agricultural experts for developing countries – the NPUST's experiences

Chang-Hung Chou and Yuan-Kuang Guu

NPUST.

**CULTIVATING AGRICULTURAL EXPERTS FOR DEVELOPING COUNTRIES  
-- THE NPUST'S EXPERIENCES**

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TAIWAN

**SYNOPSIS**

As “GCHERA’s mission is to foster a global cooperation to improve higher education and research in agriculture as a prerequisite to solving food security and environmental problems and to help universities of agricultural and applied sciences in their process of reform”, the National Pingtung University of Science and Technology (NPUST, <http://www.npust.edu.tw>) has long been coped with the mission of this organization in many aspects. NPUST, formerly founded as an agricultural college in 1954 and an agricultural vocational high school even earlier, provides many diverse programs for higher education and trainings in agriculture and the related fields. It plays the key role in Taiwan as cultivating agricultural technicians, technologists, researchers, and even seed instructors in the past five decades. While greatly contributing to Taiwan’s agricultural sector by the well-trained graduates, it also actively takes part in the international arena for helping developing countries in agricultural production. Many NPUST’s graduates and faculty members were recruited, and dispatched by the government to those countries in needs in Africa, Southeastern Asia, Oceanic Islands, Caribbean Region, Central and South America. These agricultural task forces long term station in those countries for training and educating the local people for agricultural production and serve as parts of humane aids.

Recently, in addition to what have been doing in the developing countries, NPUST, based on its strong expertise in agriculture, started to receive students from the allied countries for master and doctoral graduate studies in the field of tropical agriculture since 1998. Foreign students from those allied developing countries are sponsored with full scholarship assistance and a round-trip flight ticket for pursuing advanced professional knowledge and technologies along with higher degrees. Short

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<sup>1</sup> President of NPUST, Professor of plant molecular ecology, Academician of Academia Sinica, Fellow of the Third World Academy of Sciences.

<sup>2</sup> Professor of Food Engineering, Director of NPUST Center for Developing Country Studies, Secretary General of the Association of Technological and Vocational Education in Taiwan.

term workshops or seminars are also regularly available to those agricultural *entrepreneurs*, small and medium farm owners, food processors and distributors, and even governmental officers of the agricultural departments from the developing countries all over the world. These training programs are hosted by NPUST's Environmental Center for Livestock Waste Management (ECLWM), Innovation and Practical Training Center (IPTC), and the related academic departments, normally with sponsorships from the International Cooperation and Development Funds (ICDF, <http://www.icdf.org.tw>). Besides, the Taiwanese agricultural experts stationed in these developing countries take turns coming back to NPUST for retooling their professional knowledge and technologies. All these works are definitely devoted to the global community in hopes of helping the third world improving their food production efficiencies and guaranteeing security from starvation. NPUST will humbly keep on playing this important role forever.

#### BRIEF STORY OF NPUST

Founded in 1954 as an agricultural college, NPUST gradually emerges itself to the present higher educational institution in the southern part of Taiwan, where the climate is a tropical and sub-tropical mixture. With strong expertise in agriculture in the past decades, NPUST gradually develops itself to a full-fledged university with colleges of agriculture, engineering, management, and humanities and social sciences. The mission of this university is to cultivate graduates with concepts and spirit of "profession, globalization, and humane holism."

NPUST has the biggest and most beautiful campus in Taiwan, which is over 285 hectares, in addition to two experimental forests of nearly 900 hectares. Currently, student enrollment is about 9,000 distributed in different academic departments and graduate institutes, which includes about 50 foreign graduate students from over 12 countries registered in the Institute of Tropical Agriculture and International Cooperation (ITAIC). Most of the foreign students are pursuing master's degrees, while some are in the Ph.D. graduate programs. NPUST is staffed with about 400 faculty members, most of them are equipped with a Ph.D. degree, and of which about 130 are in the college of agriculture; and about 200 supporting staffs. All the faculty members are required by the university for teaching, research, and extension services with different time allocations.

NPUST also has several centers of excellencies, such as the Environmental Center for Livestock Waste Management (ECLWM), the NPUST Rescue Center for Wildlife (RCW), the Innovation and Practical Training Center (IPTC), the Research Center for Biodiversity (RCB), the Research Center for Environmental Technologies

(RCET), and the newly established Center for Developing Country Studies (CDCS), etc. Some of these centers closely linked with many foreign organizations, also play very important parts in the projects for working with the developing countries by offering training programs or workshops, or dispatching specialists to these countries for technology transfers and agricultural cooperation.

NPUST is the first university in Taiwan selected and allied with the International Cooperation and Development Funds (ICDF-Taiwan) for offering international humane aids programs to the developing countries. By which, qualified and promising young candidates from these countries are provided with a full scholarship for pursuing both higher technologies and academic degrees in ITAIC. Short term training programs and workshops sponsored by ICDF or other government or non-government agencies are also available regularly or by project-basis to those trainees from the developing countries. These works have made NPUST well known in the countries where they recommend graduate students to ITAIC, or receive NPUST faculty members and trained agricultural experts in their own countries working shoulder by shoulder for improving agricultural infrastructures and technologies.

NPUST's University Charter has granted the great privilege to the university administration to continue the missions working with the developing countries, based on the previous successful accomplishments and excellent recognitions it has received for actively and strongly involving in these international affairs.

#### THE UNIQUE GRADUATE INSTITUTEN FOR FOREIGN STUDENTS

The Institute of Tropical Agriculture and International Cooperation was established in August 1997, the time when the university was renamed as the National Pingtung University of Science and Technology. The objectives of ITAIC include the followings, which are: to promote research; to train professionals with ability to conduct independent research; to upgrade agricultural technologies; to train technicians for government agencies as reserve for technical missions in foreign countries; and to promote "education diplomacy" so as to strengthen Taiwan's relationship with other countries in the global community. In 1998, the first batch of 6 foreign graduate students was recruited with ICDF scholarships from 6 countries with diplomatic relations with Taiwan. All lectures were specially designed and conducted in English, and made ITAIC the first one institute with an entire English atmosphere in Taiwan.

Starting from 2001, master's program for foreign students from countries without diplomatic relations with Taiwan was commenced with the scholarships of NPUST

University Funds. Students of this scholarship program were put together with those receiving financial supports from ICDF. In addition, scholarships from other agencies, such as the Ministry of Education and the Council of Agriculture, allowed ITAIC to extend recruitment of sponsored foreign students. A statistics showing the total foreign students enrolled in ITAIC since 1998 is listed in Table 1, in which the home countries from where the foreign students come are included. Ph.D. programs for local and foreign students from countries with diplomatic relations with Taiwan were available starting from the same year of 2001. ICDF's support also enables the development of a retooling program for agricultural specialists assigned to Taiwan Technical Missions in the developing countries.

ITAIC is the first institute in Taiwan to achieve the followings, including: admission of foreign students without Chinese proficiency; providing lectures all in English; all foreign students under scholarship programs; and offering master's and Ph.D. degrees. The future prospects of ITAIC are to increase the number of foreign students in M.S. and Ph.D. programs; to promote substantive cooperation with other academic institutions in the world; to seek for other domestic and international funding sources for enhancing "education diplomacy"; and to improve teaching, research, and outreaching. Although ITAIC receives funds for scholarships from many agencies, ICDF and NPUST Funds are still the major resources. ITAIC earnestly wishes to attract attentions and receive financial supports and collaborations from international organizations for building stronger capacities helping the developing countries in the future.

#### ECLWM

The remarkable successes of economic growth had turned Taiwan's international role from needs of importing technologies to capacities of transferring and sharing successful experiences with other countries. Another typical example has been proudly cited to illustrate the NPUST's contribution for helping the developing countries. In 1996, an initiative drafted by an US Agency for International Development (USAID) subordinated branch named US-Asia Environmental Partnership (USAEP) launched the movement of "Clean Revolution". This movement was initially driven by the needs to help those countries in Asia Pacific region solving the problems of environmental pollution resulting from the animal production industry. USAEP had looked for a potential and competent university to work closely with as a partner in this area, and a center for technology transfer, training and demonstrating hardware and software regarding to environmental protection and information exchanges has to be built to meet the purposes. USAEP finally selected NPUST as its

partner to locate the Environmental Center of Livestock Waste Management (ECLWM).

In December 1999, ECLWM was formally inaugurated with sponsorships from many governmental agencies, academic institutions, and private sectors, which included NPUST, the Ministry of Education (MOE), the Council of Agriculture (COA), and the Environmental Protection Administration (EPA) from Taiwan's side; officers, representatives and professors from five US universities including Purdue University, North Carolina State University, Oregon State University, Iowa State University, and Illinois Institute of Technology, US Department of Agriculture, USAEP/USAID, American Equipment Manufacturers Association, and American Institute in Taiwan from US's side. Since then, ECLWM offered many training workshops and programs on animal waste management, animal health management, animal quarantine and immunization inspection to those trainees from the developing countries of Southeastern Asia, Africa, the Caribbean Region, and the Central and South America. ECLWM also dispatches professors and experts to the above mentioned countries to train their local technicians and government employees on project basis. Table 2 shows the ECLWM training programs and countries of trainees since 1999. ECLWM looks forward to working with other similar foreign centers or organizations on the subjects of animal waste treatment technologies and animal production and health management for the developing countries.

#### WORKSHOPS FOR FOOD PROCESSING TECHNOLOGIES

The food supply problems in many developing countries may result from inefficient infrastructure for agricultural production; lack of technologies and facilities for preserving food materials by adequate processing, storage technologies; and uneven distribution and transporting network for agricultural produces. To help solving these technical problems, ICDF has its own specialists and technical missions stationed in many developing countries for training the local trainees on food processing technologies, in addition to improving agricultural, animal, and aquacultural production technologies. Besides, ICDF provides micro-credit loans to those trainees in the developing countries for developing their own small and medium size food processing factories. The ultimate goal is to help building the local food industry in those countries.

However, the on-site training programs, though convenient to the local trainees, have some inevitable drawbacks because of the limitations of training facilities. ICDF decides to change, and selects NPUST as its partner hosting workshops for food processing technologies since 2001. The major funding is sponsored by ICDF, and the

workshops are staffed by the faculty members of the NPUST Department of Food Science, Innovation and Practical Training Center, and food processing experts from the food industry and other university. Four serial workshops in the past three years had trained nearly 90 trainees from over about 40 different countries, including Poland, Russia, Mongolia, etc. Table 3 shows the statistics and the countries where the trainees came from.

NPUST's Department of Food Science and IPTC also send professors and experts for food processing technologies to countries such as Senegal, Gambia, Honduras, Costa Rica, Guatemala, Panama, Nicaragua, etc., on project basis financially supported by ICDF. These dispatched professors and experts normally stay in the designated countries offering lectures and practices on food processing technologies for over a month. In July 2002, the State Visit of Taiwan President Chen Shui-Bian to Senegal had been proudly shown and displayed the dried mango and other processed food products which were instructed and supervised by NPUST professors and other experts, by the Senegalese President Abdoulaye Wade in person with the witness of NPUST President Chang-Hung Chou and many Taiwanese experts in front of the Senegal President's Office.

The foreign students registered in ITAIC are also allowed choosing their academic majors and advisors in the Department of Food Science. These food science majored foreign graduates, along with their NPUST advisors and the trainees of the workshops certainly will facilitate the improvements of food processing technologies in their own countries.

#### NPUST'S EVERLASTING COMMITMENTS

NPUST is proudly to share its successful experiences working with the developing countries on the aspects of agricultural production and food security. However, these work need strong involvements and supports, both spiritually and financially, from the global community. We would like to attract the attentions of all the GCHERA members and participants for exchanging successful experiences, sharing the resources, and future collaborations. The commitments to fulfill with being an active member of GCHERA will drive NPUST to carry out its ideals and dreams for the global community, and to meet with the conference theme of "Global reforms in higher agricultural education and research: Responding to challenges to quality and safety of foods and agricultural products."

Recently, NPUST installs two new centers as windows for working with the developing countries for higher agricultural education and cooperation. The first one is the Center for Developing Country Studies (CDCS) with three subdivisions dealing

with international affairs in the countries of Africa, Asia Pacific Region, and the Central and South America. The first director of this center is Dr. Mike Y. K. Guu (email at [ykguu@mail.npu.edu.tw](mailto:ykguu@mail.npu.edu.tw)), and he welcomes all the possible cooperative projects and initiatives from any international organizations. The second is the Office of International Graduate Students, and headed by Dr. Po-Yung Lai (email at [pylai@mail.npu.edu.tw](mailto:pylai@mail.npu.edu.tw)). Dr. Lai will seek very hard for local and international funds for financially supporting more potential and qualified foreign students from developing countries to come to ITAIC of NPUST. Any interested individuals, institutions, and organization are welcome to contact Drs. Guu and Lai directly for cooperation.

In addition, the Educational Strategic Alliance in International Cooperation (ESAIC) will formally be inaugurated on September 22, 2003. ICDF, NPUST, and other five well-known universities in Taiwan are the first organizing member institutions. NPUST's successful experiences in agricultural collaborations will be shared and taken as a model for extending to other fields, such as IMBA, public policy making, public health and medical services, technical and vocational education, human resources development, and aquaculture. The mission of ESAIC, led by NPUST and supervised ICDF, will focus on collaborating with those developing countries in needs on the above listed fields, and not limited hereto. ESAIC welcomes any interested international institutions or organizations to join in and work together.

NPUST's everlasting commitments to GCHERA and the global community will keep moving forward forever..

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Table 1 Statistics of foreign students registered in ITAIC (1998~2003)

<b>Regions</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
<b>Africa</b>	Gambia, Senegal	Senegal Liberia	Senegal Gambia, Liberia, Swaziland, Burkina Faso	Chad, Senegal (2)	Egypt, Gambia (2), Malawi, Senegal	Burkina Faso, Swaziland, Senegal (3), Chad
<b>Asia Pacific</b>	Solomon Islands	Solomon Islands		Thailand, Vietnam, India (4), Oman (3)	Thailand (2), Indonesia, Vietnam, Solomon Islands	Papua New Guinea, Nepal, USA*, Malaysia, Oman (2), Vietnam (2).
<b>Central and South America</b>	Costa Rica, El Salvador	Costa Rica, Belize	Honduras, Nicaragua	Belize, El Salvador, Honduras	Costa Rica, El Salvador	El Salvador,
<b>Caribbean Region</b>	Haiti	Dominica Haiti	Dominica	Dominica (2), Haiti	Grenada, St. Vincent and Grenadines	Haiti (2)
<b>Europe</b>		Macedonia		Belarus		
<b>Total Student Number</b>	6	8	8	19	14	17

\*: Not under ICDF or NPUST scholarship program.

Table 2 Workshops and training programs offered by ECLWM (1999~2003)

<b>Year</b>	<b>Workshops or Training Programs</b>	<b>No. of participants</b>	<b>Countries of participants</b>
1999	Workshop for chicken farm management	60	Mongolia (on-site)
2000	Workshop for livestock waste management	5	Mongolia
2000	Workshop for pig farm planning — Metro Kajang, Malaysia	10	Malaysia
2000	Asia livestock waste management seminars	35	Taiwan, Malaysia, Thailand, Korea
2001	Training for poultry immunization	26	Malaysia, Philippines, Indonesia, Thailand, Korea, Singapore
2001	Workshop for livestock waste management	9	PRC
2003	Workshop for chicken farm management	60	Mongolia (on-site)
2003	Workshop for poultry immunization and quarantine	19	Dominica, Honduras, St. Kitts, Haiti (2), El Salvador, Nicaragua, Paraguay, Costa Rica, Belize, Guatemala, Chile (2), Argentina, St. Vincent, Columbia, Peru, Ecuador, Brazil

Table 3 Workshops for Food Processing Technologies Offered by IPTC (2001~2003)

Year	Duration	Number of Participants	Countries of Participants
2001	Feb. 26 ~ Mar. 12	19	Argentina, Swaziland, Jordan, Thailand, Senegal, Paraguay (2), Solomon Islands, Malawi, Dominican Republic, Fiji (2), Burkina Faso, Panama, Chad, Indonesia, Nigeria.
2001	Aug. 14 ~ Aug. 31	12	Guatemala, <b>Russia</b> , Philippines (2) El Salvador (2), Costa Rica, Panama (2), St. Kitts, Argentina, Papua New Guinea.
2002	Mar. 19 ~ Apr. 05	28	El Salvador (2), Thailand (2), Burkina Faso, Fiji (2), Solomon Islands, Liberia, Haiti (2), Costa Rica, Swaziland, Panama, Belize, Papua New Guinea, Panama, Indonesia, Vietnam, Guatemala, Dominica, St. Vincent, St. Kitts, Gambia, Colombia, Nicaragua, Senegal (2).
2003	Mar. 12 ~ Apr. 01	24	Fiji, Costa Rica, Dominican Republic, Peru, Senegal (2), Thailand, Nicaragua, Panama (2), Indonesia (2), Solomon Islands, Honduras, Dominica, Guatemala (2), <b>Poland</b> (2), Haiti, Mongolia, Tuvalu, Gambia, El Salvador.

Making a world of difference – Technology transfer and human resource development

Pai-Po Lee

ICDF.

# **Making a World of Difference**

## ***Technology Transfer and Human Resource Development***

Dr. Pai Po Lee<sup>1</sup>

International Cooperation and Development Fund

Taiwan

Human Resources Development and Technology Transfer are two important issues for the developing countries in the course of their socio-economic development. Looking back the history of Republic of China, Taiwan, Taiwan started to receive the Aid of United States during the Korean War. Over the next 15 years, U.S. aid had been up to \$4 billion, accounting for five percent of Taiwan's gross national product and enabling it to invest in infrastructure. Agricultural production increases by 14 percent and provides much of the investment capital and labor needed for later industrialization. Nowadays, Taiwan produces 30 percent of the world's high-tech computer equipment, and per capita income has risen to nearly \$14,000. US Aid played an important role during the process of Taiwan Economic Development. Acknowledged the importance of foreign assistance to developing countries, Taiwanese government with limited resource started to the first technical cooperation project in 1961.

This paper describes the history and implementation of international cooperation and development of Taiwan with developing countries. It also examines the successful cases of technology transfer and human resource development to further testify the outcome with Taiwan's token contribution over past years.

### **History of International Cooperation and Development of Taiwan**

In 1961, the government of Taiwan began sending technical missions overseas to promote agricultural development in nations friendly to Taiwan. Under "Operation Vanguard," special agricultural technical missions were sent to Africa to help improve fruit and vegetable production. In 1962, these missions were expanded to become the "Taiwan-Africa Technical Cooperation Committee," which in 1972 merged with the Committee of International Technical Cooperation (CITC) under the Ministry of

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Foreign Affairs (MOFA). The new organization assumed the responsibility to dispatch the Taiwan's agricultural and fishery technical missions to developing nations and to manage them.

Over the years, Taiwan developed into one of Asia's "Four Tiger" economies. In the process it accumulated vast foreign currency reserves, which allowed it to increase its help to other nations. In October 1989, the government of Taiwan established the International Economic Cooperation Development Fund (IECDF) under the supervision of the Ministry of Economic Affairs. With a proposed initial capital of NT\$30 billion, to be allocated from the national treasury as part of the annual budget, the IECDF was given the responsibility for providing various types of economic assistance to developing nations which had friendly ties with Taiwan.

As the variety of cooperative development projects expanded yet further, and the number of overseas technical missions increased, the Taiwan government in 1996 and 1997 consolidated the CITC and the IECDF into an independent organization. The International Cooperation and Development Fund (ICDF), the single principal body overseeing Taiwan's cooperative overseas development programs, was formed.

### **International Cooperation and Development Strategies**

The ICDF, recognized as a highly professional, systematic, transparent and accountable institution, is playing an important role in promoting international cooperation by providing capital, technology, human resources training and humanitarian assistance in an effort to spread information about Taiwan to other countries and peoples. In addition, the ICDF works to showcase the government's strategy of "People's Diplomacy" and enable the Taiwan people to understand better, and support, international assistance projects to friendly countries. In the other word, ICDF's core concepts regarding international development is based on diplomatic concerns. In sharing the "Taiwan Experience" with friendly countries, the ICDF assists them in economic development and poverty alleviation.

The ICDF has designed the following strategies in undertaking international cooperation:

#### ***I. Technical Cooperation in terms of Project-oriented***

The ICDF cooperative projects in different friendly countries are based on local market need. Through technical cooperation the ICDF tries to construct a series of programs from production, processing to marketing to create the welfare of local people.

#### ***II. Public and Private Partnership***

The ICDF hopes to strengthen the public and private partnership. Private sector with vitality and capital resources are one of the advantages ICDF desires to take. With the private sector's resources the ICDF will be able to enlarge the scale and depth of assistance projects.

### ***III. Leverage with International Organizations and NGOs***

Given the resources of ICDF is limited, the ICDF hopes to leverage resources with International Development Organizations such as European Bank of Reconstruction and Development (EBRD), Inter-Development Bank (IDB), Asian Development Bank (ADB), etc. Through this kind of cooperation, not only all of the cooperative institutions can make synergy to develop projects, but the faculty of the ICDF can also strengthen their capacity building in this field and expand their vision.

### **Core Operations of the ICDF**

The ICDF concentrates its energies in four core work programs: technical cooperation, education and training, investment and lending, and humanitarian assistance. Technical cooperation programs managed by the ICDF are structured to ensure that their work can be extended during implementation and replicated elsewhere upon completion. ICDF education and training programs, often developed in conjunction with government agencies, nongovernmental organizations and educational institutions, have developed human resources in nations around the world. The ICDF's investment and lending activities range from providing microcredit in rural communities to financing large national infrastructure projects; from developing small businesses to helping nations enlarge and strengthen governmental capacity. Finally, the ICDF is steadily enlarging the scope of its humanitarian assistance operations, to come rapidly to the assistance of people and nations stricken by natural disasters and destructive events.

### **Summary of 2002 Operation**

#### ***I. Technical Cooperation***

##### **A. Technical Missions**

In 2002, the Ministry of Foreign Affairs continued to commission the ICDF to manage overseas technical missions. At mid year, the ICDF was managing 40 technical missions stationed in 33 countries in Africa, Central and South America, the Caribbean, Asia Pacific and the Middle East. The missions, with a combined staff of 267, are involved in 84 cooperation projects.

##### **B. Technical Assistance**

Technical assistance operations include consultancy services for SMEs, institutional capacity building and specialized research. In 2002, the ICDF executed 24 technical assistance projects, with 12 related to SME development, three concerning capacity building, and seven carrying out specialized research. Furthermore, two seminars were conducted in Honduras and St. Vincent and the Grenadines. On average, specialists spent 45.5 person months overseas.



### **C. Taiwan Overseas Volunteers**

Initiated in 1997 when the ICDF sent five volunteers to Swaziland, the Taiwan Overseas Volunteers Program is now in its sixth year. By the end of 2002, 89 volunteers had participated in the program, which now includes 16 friendly nations. The volunteers engage in a wide range of services, including SME consultation, computer maintenance and training, Chinese and English language teaching, ethnic dance instruction, agricultural product distribution assistance, pest prevention and medical services. Currently, 40 volunteers are serving in Costa Rica, Honduras, Myanmar, Nicaragua, Panama, St. Christopher, São Tomé and Príncipe, and Tuvalu. Volunteer service not only enables a wide range of Taiwan citizens to engage in work that promotes the nation's diplomatic agenda, but also demonstrates Taiwan's willingness to play a role in the international community.

### **D. Taiwan Youth Overseas Service**

The Taiwan Youth Overseas Service is carried out according to regulations enacted by the Ministry of the Interior. Based on their specialties, people selected to participate in the program do their national service in technical, medical or trade missions stationed abroad. In 2002, 35 men were selected for the program and were sent abroad in mid November. Currently, 71 young men are serving in missions in 24 friendly nations.

## ***II. Education and Training***

International human resources development operations are devoted to training the personnel needed by allied and friendly countries for economic and social development. Through the end of 2002, the ICDF held 21 seminar courses, providing specialized training for 493 people from 71 countries. By region, 111 persons from Asia Pacific attended these courses, 42 from West Asia, 84 from Africa, 36 from Europe, and 220 from Central and South America.

In 2002, the ICDF utilized bilateral or multilateral cooperation with international organizations in staging five categories of international human resources development. It also worked with World Links, a global learning network linking thousands of students and teachers around the world via the Internet for collaborative projects and integration of technology into learning. Under the auspices of this program, the ICDF provided US\$300,000 for schools in Burkina Faso, Costa Rica, El Salvador, Paraguay and Senegal to develop Internet education. In addition, the ICDF bestowed US\$500,000 in scholarship funds for students in four East Caribbean nations and Mongolia. The Fund also worked with Six renowned universities to conduct scholarship in Taiwan. There are now 30 ICDF Alumni Societies throughout the world where former seminar participants can network and reminisce.

## ***III. Investment and Lending Operations***

Investment and lending operations include implementing core projects approved by the Board of Directors and Supervisors, extending credit guarantees to private

companies that invest in developing countries, promoting private sector investment plans, cooperating with international development organizations, and providing agricultural loans for selected areas identified by overseas technical missions. By the end of 2002, the ICDF had signed agreements for 67 investment and lending projects. Financing commitments totaled US\$466.39 million. Five more plans, covering financing of US\$20.9 million, are awaiting to be signed. Of the approved plans, the greatest amount of capital has been channeled to Central and South America (50 percent), followed by the Asia Pacific region (26 percent), Europe (13 percent), and Africa (11 percent).

#### *IV. International Humanitarian Assistance*

The ICDF's humanitarian assistance focuses on providing emergency assistance to friendly nations following natural disasters. The help consists of grassroots medical, health and nutritional assistance. In 2002, the ICDF provided national disaster relief assistance, post disaster reconstruction work and medical services to Cambodia, the Czech Republic, The Gambia, Paraguay, Senegal and the Tibetan Refugee Self Help Center. More than US\$1 million was spent on these projects.

#### **Agricultural Technology Transfer – Taiwan-Model Cooperative Vegetable Production and Marketing Specialized Zones at Banjulnding, Lamin and Sukuta, in the Gambia**

In 1993 a rise in tourism (100,000 persons annually) has steadily increased market demand for rice and vegetables. The total amount of vegetables and fruits imported to the Gambia was 11,265 tons. Imported onion totaled 8,157 tons. In 1995, total foreign exchange spent on imported horticultural products was US\$ 5,486,364, compared with US\$277,172 received for exported horticultural products. The 20x difference highlights that increased rice and horticultural production (especially that of vegetables), is of utmost importance. In order to achieve the above goal, the Government of the Gambia and the Taiwan-ATM developed the following objectives,

1. To promote vegetable production for self-sufficiency as well as for export
2. To rehabilitate the abandoned Banjulnding Vegetable Garden into a productive farm
3. To help establish the Sukuta Women's Communal Food Security Garden
4. To organize the existing cooperative gardens into collaborative vegetable Production and Marketing Teams
5. To turn the Banjulnding, Lamin and Sukuta areas into special vegetable production zones for integrated horticultural crop production
6. To establish a post-harvesting treatment system in order to maintain better quality of vegetable products
7. To establish a vegetable grading and packing system in order to modernize

retail sales of vegetables

**Table. Guidelines for Vegetable Production and Marketing Teams**

Name of Group/Team	Size of farm	Member Requirements	Important Work Items
Collaborative Vegetable Production & Marketing	No less than 10-15 ha	<ol style="list-style-type: none"> <li>1. Link adjoining farmlands into an area of no less than 15ha to perform centralized management and integrated cultivation.</li> <li>2. Vegetable production area must have access to convenient transportation facilities, adequate water sources for irrigation, satisfactory soil drainage, and sufficient labor supply.</li> <li>3. Farmers must maintain a spirit of unity and collaboration, participating in regular meetings. Good work performance and willingness to accept expert instruction are required.</li> </ol>	<ol style="list-style-type: none"> <li>1. Conduct training courses on collaborative vegetable production and marketing.</li> <li>2. Renew vegetable cultivars.</li> <li>3. Improve or subsidize production facilities and infrastructure in order to stabilize vegetable production.</li> <li>4. Construct protective facilities to avoid natural hazards.</li> <li>5. Provide instruction in new technology to improve the quality of vegetable products.</li> <li>6. Provide guidance during the primary production season as well as the off-season, and produce short-term leafy vegetables to meet market demand.</li> <li>7. Simplify and unify production and marketing in order to reduce production costs.</li> <li>8. Improve marketing channels through mutually agreed operations, in order to eliminate intermediate transportation costs.</li> <li>9. Develop modernized local retail sales of fresh vegetables and conduct an exhibition of products to promote sales.</li> <li>10. develop the best brands of products to strengthen marketing.</li> </ol>

This project turned out to be very successful, the following measures should be stressed:

1. To organize community women into different Production and Marketing Teams with 15-20 members  
A leader, technical specialists, and accounting/marketing personnel were selected from the team. Team leaders cooperated closely with the Taiwan-ATM expert, and extension workers from the Department of Agricultural Services, Ministry of Agriculture and Natural Resources, in planning and executing meeting, training, marketing accounting etc.
2. To utilize funds donated from Taiwan, the Catholic Relief Services, Canada, and other sources as well as the local government  
All the resources including the manpower cooperate to establish an underground water irrigation system. Water-conserving irrigation methods such as drip- irrigation and hand-operated jet pumping irrigation were adopted.
3. To use improved local varieties of vegetables and those from Taiwan for experimentation and cultivation
4. To adopt new production facilities such as plastic net-house, PVC and PE tunnels for vegetable production
5. To develop a vegetable-based cropping system for the Banjulinding, Sukuta and Lamin Horticultural Farms
6. To introduce new farm machinery to facilitate field operations and reduce labor costs
7. To build storage houses for grading and packing vegetables, and roadside vegetable stands for direct sales of farm products
8. To evaluate costs and profits of Production and Marketing Teams

### **Access to Higher Education — Graduate and Post Graduate Scholarship Program in Taiwan**

In accordance with the Internationalization Policy advocated by the Ministry of Education of Taiwan in 1998, the ICDF, and invited the National Pingtung University of Science and Technology (NPUST) to initiate a scholarship program – “Master of Science Program for Foreign Agriculturists” – to enable students from our friendly countries to study in Taiwan. Since Taiwan is relatively strong in agricultural research and development, the ICDF identified a pilot program for master degree studies in agricultural science. In 2001, the ICDF decided to launch an expanded “Graduate

Scholarship Program” that includes the existing agricultural master program and the extended Ph.D. studies as well as a brand-new International MBA (IMBA). In order to make the scholarship programs more versatile and complete, in 2003 the ICDF continues to provide the scholarship programs in the field of Technology Management, International Health, Aquaculture, International Workforce Education and Development as well as Taiwan Studies. Up to now there are 83 students sponsored under the programs and 21 students from fourteen countries received the Master Degree.

The scholarship programs have entered the fifth years and accomplished very well. Students graduated from the pilot program have performed outstandingly, and some of them have expressed a strong desire to serve and cooperate with ICDF technical missions in their home countries as well as in any other positions that can further strengthen the relationship between them/their country and the ICDF/Taiwan. Moreover, some of the outstanding students get promoted after going back to their country with the Master Degree. These outcomes reflected some important factors,

#### ***I. Meeting the Needs of Our Friendly Allies***

“Agricultural Development and Research” and “Corporate Management” have been identified as keen interests for our friendly countries since ICDF began to organize these workshops in 1996. To build on the success of these workshops and to respond to the growing need for high-level professionals, master programs provide further study to deepen professional knowledge.

#### ***II. ICDF as a Catalyst Facilitating the Local Universities Internationalized in Accordance with Our National Education Development Policy***

As it is known that one of the ICDF goals is to help our friendly countries to facilitate their human resources development, awarding scholarships for Master Degrees Programs is one of the approaches. At the same time, our government is currently calling for our local universities to develop their capacities not only in the quality of faculties but also in the infrastructure for expanding international academic exchange. In this climate, the response from universities is very positive. The management levels of schools envision that internationalization is the only way to go, so cooperating with the ICDF turns out to be a major approach in securing the funding. Specifically, as more ICDF scholarships are awarded to people from our friendly allies, the schools gain the perspective of people from a wider range of countries.

### ***III. Full Support from the Administration of Committed Universities***

Implementing a scholarship program involves not only academic details but also logistics. It has been realized that the logistics arrangements, including application for resident visas and cards, dormitory arrangements, coordination to allow for the various cultures of students, language assistance, etc., are very comprehensive tasks. In the case of the NPUST as a pilot program, everything was zero-based and needed to be developed. Fortunately, the School President acknowledged the importance for the school to be internationalized and instructed the related administration to support the ITA fully. Year by year the staff has become more familiar with these and has developed a management system to facilitate the whole process.

### ***IV. People with Particularly Strong Commitment***

To initiate a brand new program needs lots of coordination at different level at the schools. However, according to recent experience, there is always a person like a babysitter to devote himself/herself to assisting the students at the school. The ICDF is delighted to have the right counterparts in charge of the programs. We strongly believe that it is the people that make the difference. At NPUST, Dr. Po-Yung Lai, Ph.D., Professor and Director of ITA, has devoted himself to promoting “education diplomacy” for Taiwan. He has treated the foreign students so well that he is called “Papa.” Additionally, in order to let students know more about Taiwan, Dr. Lai arranges host families to accommodate students after school once in a while.

## **New Approach in Technology Transfer and Human Resources Development-- Strategic Alliances with Universities**

As time has changed, the ICDF has gradually adjusted and expanded its education and training operations in order to generate increased participation. One of the strategies is to develop the strategic partnership with universities.

The ICDF’s program of strategic alliances with universities clearly provides more opportunities for people from cooperating countries to obtain greater resources and assistance and creates a winning situation for the ICDF, universities and society in general.

The initial concept behind university cooperation was to take advantage of the academic and research specialization of these schools, along with the expertise of their faculty. ICDF funding and professional project management for various programs would facilitate this. Both sides would benefit from the symbiotic

relationship, and the combination of resources would create synergy. Academics would introduce an overview of Taiwan's past policies, development experience and economic achievements in their curriculum, and graduate and postgraduate students from friendly countries would find it easier to adapt to such an arrangement. An added benefit of the program would be the creation of opportunities for students at universities to have the interaction with foreign people. That would nurture a more global view and a better understanding and acceptance of Taiwan's international assistance work among students .

The program allows participating universities to put their research achievements into practice and it brings them into contact with international students and scholars. This promotes the international profile of the university and hastens the speed of the school's internationalization. This also helps to boost Taiwan's educational standards and nurture lecturers who can perform on an international scale. The university strategic alliance program adequately combines the advantages of both the domestic universities (which are constantly facing funding challenges) and the ICDF and serves as a prime example of strategic partnership.

In 2003 there are six universities joining the strategic alliance based on the previous cooperations with the ICDF. In the future, this alliance will be expanded in accordance with different needs.

### **Toward a Better World**

As a member of the global community, the ICDF will maintain a spirit of innovation in responding to the rapidly changing world. In the foreseeable future, the ICDF will continue to use knowledge based capacity building as a means of fostering sustainable development. It will also continue to expand cooperative relationships with different organizations, in the hope that it can provide better rounded educational opportunities to individuals from friendly countries.

Letter of invitation to NAUU Rector Dr. Dmytro O. Melnychuk





**National Pingtung University of Science and Technology**

**Office of the President**

1 Shuefu Road, Neipu, Pingtung 91207

TAIWAN

Dr. Dmytro O. Melnychuk  
President  
National Agricultural University of Ukraine  
Kiev, UKRAINE

September 22, 2003

Dear President Dr. Melnychuk,

It's been a great honor to be invited to participate in the Third Conference of GCHERA in your beautiful country and university. It's also great to know that your prestigious University is the one of the most famous agricultural universities in the Europe. Therefore, on behalf of the National Pingtung University of Science and Technology (NPUST), I would like to propose establishing a link for academic cooperation with your University in the future.

For furthering your understanding of NPUST, I hereby cordially invite you to visit my university and Taiwan in the nearest future. To express our sincerest invitation, your visit to Taiwan will be provided with a round trip flight ticket between Kiev and Taiwan, and the local transportation and accommodations will also be included. I enclose a tentative itinerary for you perusal, which needs to be filled in your most convenient period of time. Upon you have made the date for coming, we will send the ticket to your designated address.

I am looking forward to receiving your visitation very soon in Taiwan.

With sincerest wishes,

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Chang-Hung Chou, Ph.D.

President, NPUST

- Cc: 1. Dr. Alla Kravchenko, National Agricultural University of Ukraine, Kiev, UKRAINE.  
2. Dr. Mike Y. K. Guu, National Pingtung University of Science and Technology, Neipu, Pingtung, TAIWAN.

Tentative Itinerary for the Visitation of President Dr. Dmytro O. Melnychuk  
National Agricultural University of Ukraine, Kiev, Ukraine  
to National Pingtung University of Science and Technology, Taiwan

- Day 1        Departure from Kiev, Ukraine
- Day 2        Arrival at CKS International Airport, Taipei, Taiwan  
              Transfer from CKS to NPUST, Pingtung, Taiwan
- Day 3        Visitation to NPUST Campus  
              Courtesy Call to the NPUST President  
              Academic Collaborations between NAUU and NPUST
- Day 4        Visitation to Asian Vegetables Research and Development Center  
              Visitation to National Chungsing University
- Day 5        Visitation to the Council of Agriculture  
              Visitation to National Taiwan University
- Day 6        Visitation to International Cooperation and Development Funds  
              Visitation to the Ministry of Education
- Day 7        Free time and departure

Participant List of the 3<sup>rd</sup> GCHERA Conference

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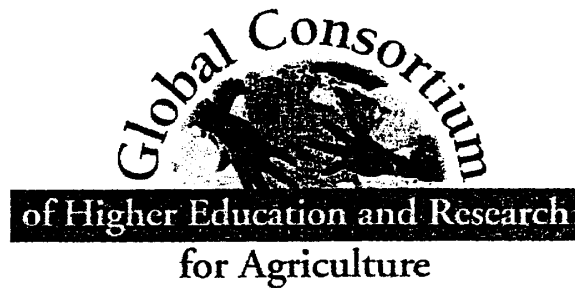
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112	A.M. Bezpalenko	НАУУ		
113	A.I. Boyko	Іншп. НАУ	NAUU	
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115	V.M. Bulgakov		NAUU	
116	T.G. Vasukova	Head of Department Chair of Animal and Poultry Products Processing Technology	NAUU	

117	Valeriy Voityuk	Head of Department Chair of exploitation and Technic Service	NAUU	
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128	Yaroslav M. Mykhaylovych	Dean of Mechanization Faculty	NAUU	
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134	I.P. Radko	Dean of Electrification Faculty	NAUU	
135	A.S. Syrotin		NAUU	
136	V.I. Stakhevych		NAUU	
137	A.M. Ugnivenko	Head of Department Chair of Milk and Beef Producing Technologies	NAUU	
138	L.A. Chekal		NAUU	
139	A.M. Cherniy		NAUU	
140	P.G. Shevchenko	Dean of Bioresources and Aquaculture Faculty	NAUU	

Programs of the 3<sup>rd</sup> GCHERA Conference



PROGRAM  
The Third Global Conference of the  
Global Consortium of Higher Education and Research for  
Agriculture (GCHERA)

*”Global Reforms in Higher Agricultural Education and  
Research: Responding to Challenges to Quality and  
Safety  
of Food and Agricultural Products”*

September 22 – 24, 2003

Kyiv, Ukraine

<http://www.conference.nauu.kiev.ua>

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**Global Consortium of Higher Education and Research for Agriculture**  
**(GCHERA)**

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Establishment of a Joint MBA Programme –

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*Onuma Okezie, USA; Boukary*

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**Third Global Conference of GCHERA**

Kyiv, September 22 – 24, 2003

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**(by the resolution of Prime-Minister of Ukraine V. Yanukovych of April 23, 2003 № 226-p)**

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- ✓ Academic Leadership, Institutional Reforms and University Management Issues –  
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***Informational support – American Trade Chamber in Ukraine***

## **PRECONFERENCE EVENTS**

### **September 18, Thursday**

Arrival of the delegation from Tokyo University of Agriculture (TUA), Japan

### **September 19, Friday**

- 9.00 – 13.00 Visit of TUA (Japan) delegation to National Agricultural University of Ukraine  
13.00 – 15.00 Lunch, rest  
15.00 – 16.00 Ceremony of signing the Agreement on Cooperation between National Agricultural University, Ukraine and Tokyo University of Agriculture, Japan  
**Location: building 3, room 47**  
16.00 – 20.00 Cultural program

### **September 20, Saturday**

- 10.00 – 19.00 Registration of the Third GCHERA conference participants**  
**(Location: National Agricultural University of Ukraine, bld. 3, entrance hall)**  
10.00 – 19.00 Acquaintance of the Third GCHERA Conference participants with National Agricultural University of Ukraine (NAUU) and agricultural enterprises of Ukraine *(for all interested - upon registration)*  
16.00 – 19.00 Meeting of **“International Network of Master Courses in Agricultural Management”** *(all interested are welcome)*  
Organizer: **Dr. Herbert Stroebel**, University of Applied Sciences Weihenstephan/Triesdorf, Germany *(by the separate program)*  
**Location: National Agricultural University of Ukraine, building 3, room 68, Heroyiv Oborony Str. 15**  
19.00 Official reception for the participants of **“International Network of Master Courses in Agricultural Management”** *(by individual invitation)*  
19.00 For other participants - evening cultural program

### **September 21, Sunday**

- 9.00 – 19.00 **Registration of the GCHERA Conference participants**  
**Location: National Agricultural University of Ukraine (NAUU), building 3, entrance hall, Heroyiv Oborony Str. 15**  
9.00 – 19.00 Visits to the National Agricultural University of Ukraine, architectural and cultural masterpieces and agricultural enterprises of Ukraine *(for all interested - upon registration)*  
9.30 – 12.30 Continuation of meeting **“International Network of Master Courses in Agricultural Management”**  
10.00 – 13.00 **Excursions to the city** *(adjusted upon registration)*  
**Departure from building 3 of NAUU**  
13.00 – 14.00 Lunch  
14.30 – 19.00 **Excursions to the city** *(adjusted upon registration)*  
**Departure from building 3 of NAUU**  
15.00 **Executive Committee meeting for discussion of Third GCHERA Conference program** *(only for the Executive Committee members and Secretariat)*  
**Location: National Agricultural University of Ukraine, building 3, room 47, Heroyiv Oborony str. 15**  
17.00 Reception for the Executive Committee members and participants-organizers of the Conference *(by special invitations)*



## *FIRST CONFERENCE DAY*

September 22, Monday

Assembly Hall Ukrainian House

Location: Kyiv, Triokhsyvatytska str. 2 (European square)

- 9.00 – 11.00      *Registration of the Conference participants*
- 11.00              *Opening of the Conference. First Plenary Session*
- Presidium:        **Honorary Presidium of the Conference, GCHERA Executive Committee, National Organizing Committee of the Conference, Speakers, Members of the Ukrainian Parliament, Heroes of Ukraine Dr.Tetyana Zasukha, Mr.Oleksandr Borovyk and Mr.Oleksiy Prylipka, Head of Kyiv Region State Administration Mr.Anatoliy Zasukha, President of National Academy of Science of Ukraine Dr.Borys Paton, Rector of National Taras Shevchenko University Dr.Viktor Skopenko and honorary guests**
- Chair:             **Dr.Dmytro Melnychuk (Ukraine)**
- 11.00 – 11.10     *Opening ceremony, welcome word*  
**Dr.Dmytro Melnychuk, President of GCHERA, Rector of National Agricultural University of Ukraine**
- 11.10 – 11.30     *Opening Keynote Address*  
**Mr.Victor Yanukovich, Prime-Minister of Ukraine**
- 11.30 – 11.50     **Dr.Martin Jischke, President of Purdue University, USA**  
Former President of GCHERA  
***“GCHERA: yesterday, today and tomorrow”***
- 11.50 – 12.10     **Dr.Dmytro Melnychuk, President of GCHERA, Rector of National Agricultural University of Ukraine**  
***“Response of Higher Agricultural Education and Research on Challenges towards Sustainable Development of Nature and Society”***
- 12.10 – 12.30     **Dr.Anton Mangstl, Director of Library and Documentation Systems Division, General Affairs and Information Department, Food and Agriculture Organization of the United Nations**  
***“The Role of FAO's World Agricultural Information Centre (WAICENT) to support Research and Education”***
- 12.30 – 12.50     **Dr.Isoya Shinji, President, Tokyo University of Agriculture, Japan**  
***“The 21st Century is the Age of Agriculture”***
- 12.50 – 13.10     **Dr.Uwe Nagel, Dean, Faculty of Agriculture and Horticulture, Humboldt University of Berlin, Germany**  
***„Teaching and Learning: Principles and Ethics of Agricultural Education”***
- 13.10 – 15.00     Lunch
- Exhibition *“Higher Agricultural Education and Research in Ukraine”***

- 15.00 – 17.20**      **Second Plenary Session**
- Presidium:**      **Dr.Martin Jischke (USA), Dr.Dmytro Melnychuk (Ukraine),  
Dr.Jiaan Cheng (China), members of GCHERA Executive Committee,  
Dr.David Acker (USA), Dr.David Sammons (USA), Speakers**
- Chair:**            **Dr.Martin Jischke (USA)**
- 15.00 – 15.20      **Mr.Ivan Kyrylenko, Vice-Prime-Minister of Ukraine**  
***“Agricultural Policy of Ukraine Heading Toward WTO Accession: Role of  
Agricultural Education and Research”***
- 15.20 – 15.40      **Dr.George Cooper, Deputy Administrator, Science and Education Resources  
Development, United States Department of Agriculture (USDA)**  
***“The Role of Universities in an Increasingly Global Society – Emphasis on  
Collaborations”***
- 15.40 – 16.00      **Dr.Chang-Hung Chou, President, National Pingtung University of Science and  
Technology, Taiwan**  
***“Cultivating Agricultural Experts for the Developing Countries – the National  
Pingtung University of Science and Technology Experiences”***
- 16.00 – 16.20      **Dr.Petro Verbytsky, Secretary General, Regional Representation for Eastern  
Europe, World Organization for Animals Health, Head of State Veterinary  
Department of Ukraine**  
***“World Problems of Epizooty, Quality, and Safety of Animal Products and  
Important Aspects in Reforms of Veterinary Medicine Education”***
- 16.20 – 16.40      **Dr.Henry Thairu, Deputy Vice Chancellor, Jomo Kenyatta University of  
Agriculture and Technology, Kenya**  
***“African Agricultural Research towards Solving the Problem of Food Quality  
and Security”***
- 16.40 – 17.00      **Dr.Vladimir Bautin, Rector, Moscow Agricultural Timiryazew Academy,  
Russia**  
***„The role of the Council of the CIS Leading Agrarian Universities in Forming  
the Mutual Educational Space”***
- 17.00 – 17.20      **Dr.Alar Karis, Rector, Estonian Agricultural University, Estonia**  
***Higher Agricultural Education and Research in Enlarging Europe***
- 17.20 – 18.00      ***Press-Conference (for members of GCHERA Executive Committee, National  
Organizing Committee of the conference, Presidium and Ukrainian  
Government Officials)***
- 17.20 – 18.00      **Coffee break**  
***Exhibition „Agricultural Education and Research in Ukraine”***
- 18.00 – 19.00      **Concert program at the Ukrainian House**
- 19.00 – 22.00      **Official Welcome Reception**

**September 23, Tuesday**

**Location:**

***National Agricultural University of Ukraine, Heroyiv Oborony str.  
(Location – see each section below), contact tel.: +38 044 267 8244***

**9.00 – 16.00                    Sections (working groups sessions)**

**Discussions on recommendations to agricultural universities (colleges, faculties) on improvement curricula and academic programs for B.S., M.S., and specialists in agriculture, forestry, fisheries, and veterinary medicine focusing them on issues of quality and security of food and agricultural products, environmental protection, sustainable agriculture, and other items according to the discussion questions (*by separate agenda*).**

***Sections (working groups sessions) and their location:***

- Academic Leadership, Institutional Reforms and University Management Issues / Information and Communication Technologies in Agricultural Education and Research (building 3, room 47)
- Agronomy, Biotechnology, Agricultural Ecology (building 4, room 50)
- Animal Science and Water Bioresources (building 7a, rooms 206, 207, 208)
- Forestry, Park-Gardening and Landscape Architecture (building 1, room 97)
- Mechanization, Electrification and Automation for Agriculture and Forestry (building 11, room 336)
- Agricultural Economics, Management and Marketing; International Network of Master Courses in Agricultural Management (building 10, reading room)
- Veterinary Medicine, Food Sciences, Standardization and Certification of Agricultural, Forestry and Fisheries Products (building 12, rooms 400, 412)
- Natural Resources, Land Management and Agricultural Law (building 6, room 222)
- Fundamental Natural and Social Sciences in Agricultural Education; Students Leadership, International Student Organizations and Network (building 3, room 33)
- Agricultural Extension/Outreach and Continuing Education (building 3, conference hall)
- Higher Agricultural Education in the Tropics and Subtropics (building 3, room 65)

**(Programs for the working groups are given below)**

**18.00 – 22.00            Evening cultural program (theatre, excursions etc) – proposed by the secretariat of the sections**

September 24, Wednesday  
National Agricultural University of Ukraine  
Heroyiv Oborony str. 15, building 3

8.00 – 9.20 Meeting of GCHERA Executive Committee and leaders of the sections (only for the members of Executive Committee, leaders of the section and secretariat of the Conference):  
*1) Discussion issues: a) candidates for the position of new President, President-Elect and new members of the Executive Committee; b) changes and additional statements to the GCHERA Articles of Organization and Bylaws; c) recognitions to leaders and universities-founders of GCHERA; d) report of GCHERA Secretariat on the GCHERA budget and financial balance.*  
*2) Discussion of the Third GCHERA conference final statement.*

*Location: building 3, room 47*

9.30 – 11.30 *Third Plenary Session*

*Location: building 3, Conference Hall*

**Presidium:** **Mr.Stanislav Nikolayenko**, Member of the Parliament of Ukraine, Head of the Parliament Committee on Education and Research; **Mrs.Kateryna Vaschuk**, Member of the Parliament of Ukraine, Head of Agrarian Fraction at the Parliament; **Dr.Sergiy Melnyk** – First Deputy Minister of Agricultural Policy of Ukraine; **Dr.Ernst Lindemann**, Humboldt University of Berlin, Germany; **Dr.David Sammons**, Purdue University, USA; **Dr.Ildus Ibatullin**, National Agricultural University of Ukraine

**Chair:** **Dr.Jiaan Cheng (China), Dr.Jose Zaglul (Costa Rica)**

9.30 – 9.50 **Dr.Igor Yukhnovsky** – Member, National Academy of Science of Ukraine, Member of the Parliament of Ukraine  
*“Role and Place of Ukraine at the World Food Market”*

9.50 – 10.10 **Dr.Peteris Busmanis**, Rector, Latvia University of Agriculture, Latvia  
*“Reforms in Higher Agricultural Education: Latvian Case”*

10.10 – 10.25 **Dr.Stanley Johnson**, Vice-Provost for Extension, Iowa State University, USA  
*“Extension System, Education and Globalization”*

10.20 – 10.40 **Dr.Adel El-Beltagy**, Director General, ICARD – International Center for Agricultural Research in the Dry Areas, Syria  
*„Challenges of Agricultural Development in Dry Areas: Impact of Research and Education”*

10.40 – 10.55 **Dr.Sergiy Melnyk**, First Deputy Minister of Agricultural Policy of Ukraine  
*“Agricultural Education of Ukraine under the reforms: Experience and Initiatives”*

10.55 – 11.10 **Dr.Taeko Kuroki**, Student, Tokyo University of Agriculture, Japan  
*„International movement of agricultural students: experience of Tokyo students’ summit”*

11.10 – 11.30 Discussion

11.30 – 12.00 Coffee break

**12.00 – 15.00**    *Closing Plenary Session*

**Presidium:**        **Dr.Sergiy Ryzhuk**, Minister of Agricultural Policy of Ukraine;  
**Dr.Vasyl Kremen**, Minister of Education and Research of Ukraine;  
**Prof. Oswald van Cleemput**, Ghent University, Belgium;  
**Dr.David Acker**, Iowa State University, USA;  
**Dr.Vitaliy Lysenko**, National Agricultural University of Ukraine

**Chair:**            **Dr.Robert van Haarlem** (The Netherlands),  
**Dr.Dmytro Melnychuk** (Ukraine)

*Summarizings from leaders of sections (working groups of September 23) and their final decisions on the accepted recommendations for the universities (colleges, faculties), GCHERA members on improvement curricula and academic programs for B.S., M.S., and specialists in agriculture, forestry, fisheries, and veterinary medicine. Time limit – 7 minutes*  
*The reports will be published at the conference proceedings.*

*Agronomy, Biotechnology, Agricultural Ecology –*  
**Dr.Oswald van Cleemput**, Ghent University, Belgium

*Animal Science and Water Bioresources –* **Dr.Douglas Kenealy**, Iowa State University, USA

*Forestry, Park-Gardening and Landscape Architecture –*  
**Dr.Hartmut Gossow**, Agricultural University in Vienna, Austria

*Mechanization, Electrification and Automation for Agriculture and Forestry*  
**Dr.Zdzislaw Targoński**, Lublin Agricultural Academy, Poland

*Agricultural Economics, Management and Marketing*  
**Dr.Dieter Kirschke**, Humboldt University of Berlin, Germany

*International Network of Master Courses in Agricultural Management*  
**Dr.Herbert Stroebel**, University of Applied Sciences, Weihenstephan/Triesdorf, Germany

*Veterinary Medicine, Food Sciences, Standardization and Certification of Agricultural, Forestry and Fisheries Products –* **Dr.Michael Moody**, Louisianan State University, USA

*Natural Resources, Land Management and Agricultural Law*  
**Dr.Adriano Ciani**, University of Perugia, Italy

*Fundamental Natural and Social Sciences in Agricultural Education; Students Leadership, International Student Organizations and Network*  
**Dr.Valeriy Koshelev**, Moscow Agricultural Timiryazew Academy, Russia

*Postgraduate Education and Extension -* **Dr.David Acker**, Iowa State University, USA

*Informational Technologies in Agricultural Education*  
**Dr.Robert Mulley**, University of Western Sydney, Australia

*Higher Agricultural Education in the Tropics and Subtropics*  
**Dr.Onuma Okezie**, Alabama Agricultural and Mechanical University, USA

*Approval of the GCHERA conference Statement and appeal to institutional GCHERA members to accept the recommendations on improvement curricula and academic programs for B.S., M.S., and specialists in agriculture, forestry, fisheries, and veterinary medicine.*

- 13.30 – 13.50 **Jiaan Cheng**, President-elect, GCHERA  
Vice President, Zhejiang University, China  
“*GCHERA next steps*”
- 13.50 – 14.10 **Dmytro Melnychuk**  
Approving decision of GCHERA Executive Committee of September 24, 2003.  
Congratulations to the new President, President-Elect and new members for  
Executive Committee, handing honorary diplomas “*Honorary First President of  
GCHERA*”, “*Honorary President of GCHERA*”, “*Honorary Leader-Founder of  
GCHERA*” and other recognitions to Secretariat members, conference and  
exhibition organizers
- 14.10 – 14.40 *Final discussions. Closing the Conference*
- 14.40 – 15.00 *Official inauguration of the Memorial Side in honor to the Universities that  
founded GCHERA (Iowa State University, USA; National Agricultural  
University of Ukraine; Humboldt University of Berlin, Germany), photo  
session for the participants of the Third GCHERA Conference.  
Location: University park.*
- 15.00 – 16.30 Lunch
- Meeting of the newly elected GCHERA Executive Committee
- 16.30 – 18.00 Visits to the agricultural enterprises, cultural program, excursions to the city,  
souvenirs street (adjusted with the secretariat of the sections and by individual  
programs)
- 18.00 Dinner, cultural program

#### September 25, Thursday

- Departure of the participants
- Visits by individual programs
- 9.00 – 12.00 Meeting for the Council of Rectors of Agricultural Higher Educational  
Institutions of CIS countries (*for the Council members only*)  
Agenda will be added.  
*Location – building 3, room 47*

**Materials of the Conference (plenary sessions and thesis of section reports) will be published  
after the conference is finished. Please send all the reports by e-mail to the Secretariat no later  
than October 20, 2003**

**E-mail: [Alla.Kravchenko@nauu.kiev.ua](mailto:Alla.Kravchenko@nauu.kiev.ua)**

**ACADEMIC LEADERSHIP, INSTITUTIONAL REFORMS AND  
UNIVERSITY MANAGEMENT ISSUE /  
ICT IN AGRICULTURAL EDUCATION AND RESEARCH**

*Location: National Agricultural University of Ukraine, Building 3,  
Herjiv Oborony str. 15, room 47*

**Leaders:** Prof. Dr. Martin Jischke, USA  
Dr. Anton Mangstl, FAO UNO  
Prof. Dr. Mikhaylo Zubets, Ukraine

**Secretariat** Dr. Alla Kravchenko  
Andriy Shepitsen  
Tel. +38 044 267 82 44,  
e-mail: [Alla.Kravchenko@nauu.kiev.ua](mailto:Alla.Kravchenko@nauu.kiev.ua)

**AGENDA**

**9.00-11.00** *First Session*

**Chairmen:** Prof. Dr. Martin Jischke, President, Purdue University, USA  
Former-President, GCHERA  
Prof. Dr. Dmytro Melnychuk, Rector, National Agricultural University,  
Ukraine  
President, GCHERA  
Prof. Dr. Jiaan Cheng, Vice President of Zhejiang University, China  
President-Elect, GCHERA

**Secretary** Dr. Alla Kravchenko, National Agricultural University, Ukraine

**9.00 – 9.20** *Welcome Address and Opening*  
Dr. Sergiy Melnyk, First Deputy Minister  
Ministry of Agricultural Policy, Ukraine

**9.20 – 9.40** *Welcome Address*  
Prof. Dr. Mykhaylo Zubets, President  
Ukrainian Academy of Agricultural Science, Ukraine

**9.45 – 10.15** Prof. Dr. Eric Thor, S.A.M., Arizona State University East, USA  
Ms. Rodica Evtuhovici, Arizona State University East, USA  
*Agriculture Universities: Aiding in the Transformation of Education in  
Resource Based Economies using National and Regional Mediation  
Partnerships*

**10.15 – 10.45** Prof. Dr. Evangelos A. Vergos, The Dimitris Perrotis College of  
Agricultural Studies American Farm School, Greece  
*Emerging Technologies and Sustainable Approaches in Agriculture:  
Principles of Precision Agriculture, an Innovative Course in the Perrotis  
College Curriculum*

- 10.35 – 10.55 Prof., Dr. **Levy Hillerich**, Goethe Institut, Ukraine—Germany. *Foreign languages study as a means of extension of teaching and scientific technologies in education*
- 11.00 – 11.30 **Coffee break**
- 11.30 –13.00 *The second meeting: “The importance of the basic natural-scientific, social-humanitarian and philological training of the specialists in agriculture: tasks, peculiarities and criteria for the level of sufficiency”.*
- Chairmen** Prof., Dr. **Levy Hillerich**, Goethe Institute, Ukraine—Germany  
Dr. **Tetyana Ischenko**, director of the Scientific and Methodics Center of the Agricultural Education of the Ministry of Agricultural Policy of Ukraine, Kyiv, Ukraine
- Secretariat** Dr. **Larysa Voytenko**, NAU, Kyiv, Ukraine  
Dr. **Lyubov Khomenko**, NAU, Kyiv, Ukraine
- 11.30 –11.45 Prof., Dr. **Uwe Jens Nagel**, Department of Social-Humanitarian Sciences and Extension Education, Humboldt University, Berlin, Germany.  
*Criteria of sufficiency of the basic preparation*
- 11.50 – 12.05 Prof., Dr. **Volodymyr Kopilevych**, director of the Natural-Humanitarian Institute; Candidate of Science, professor **Vitaliy Lysenko**, vice-rector; Candidate of Science, docent **Nataliya Kravchenko**, NAU, Kyiv, Ukraine. *Comparative analysis of the levels of the fundamental and humanitarian preparation of the specialists for agriculture in foreign countries.*
- 12.10 – 12.20 Mag. Ing. **Christine Wogowitsch**, Agrarpaedagogische Akademie, Wien, Austria)  
*Forming the system of agricultural education in Austria*
- 12.25 – 12.50 Prof., Dr. **Anatoly Cherniy**, the head of the department chair of Political Science and Sociology; Dr. **Lyubov Khomenko**, the head of the department chair of German and French; Dr. **Anatoly Bezpalenko**, the head of the department chair of Ukrainian and English for the Zoo- and Veterinary specialties, NAU, Kyiv, Ukraine;  
Prof. **Valery Koshelev**, vice-rector for international relations of Moscow Agricultural Academy named after K.A. Timiryazev, Moscow, Russia;  
Teacher **Jennifer Stroebel**, University of Applied Sciences, Weinstefan, Germany;  
**Surkhay Safarov**, Ministry of Agriculture, Baku, Azerbaijan.  
*Textbooks, manuals for fundamental, humanitarian, and philological training: modern requirements and approaches in terms of contents, forms and goals of education.*
- 13.00 – 14.30 **Lunch**
- 14.30 – 16.00 *Third session. Roundtable*  
**“Students’ leadership, pedagogical, psychological and cultural components of teaching process”**
- Chairmen** Prof. **Valery Koshelev**, vice-rector of Moscow Agricultural Timiryasev Academy, Moscow, Russia  
Prof., Dr. **Anatoly Cherniy**, the deputy director of the Natural-Humanitarian Institute, NAU, Kyiv.



<b>Secretariat</b>	Dr. <b>Anatoly Oliynyk</b> , NAU, Kyiv, Ukraine Dr. <b>Lyubov Khomenko</b> , NAU, Kyiv, Ukraine
14.30 – 14.45	Dr. <b>Tetyana Ischenko</b> , director of Scientific and Methodics Center of Ministry of Agricultural Policy, Kyiv, Ukraine; Dr. <b>Victor Tytov</b> , the head of the Psychology department chair; Dr. <b>Tetyana Gryschenko</b> , the head of the Cultural Science department chair; Dr. <b>Valentina Stakhnevych</b> , NAU, Kyiv, Ukraine. <i>Pedagogical, psychological and cultural components as the elements of educational programs: actuality and level of necessity</i>
14.50 – 15.00	Students <b>Tacko Kuroki</b> , <b>Fajar Solihin</b> , Tokio Agricultural University, Tokio, Japan <i>The International Students' Summit on the issues of Food Products, Agriculture and the Environment</i>
15.05 – 15:30	Dr. <b>Vadym Tkachuk</b> , department of foreign relations; post-graduate student <b>Vitaly Radko</b> ; students <b>Kateryna Troyanivska</b> , <b>Julia Dubinuk</b> , NAU, Kyiv, Ukraine; Student <b>Boris Gadzov</b> , vice-president of international association of students of Veterinary Medicine, Macedonia; Student <b>Martin Nilsen</b> , association of students of agricultural universities, Belgium. <i>About international students' associations, organizations and systems of exchange</i>
15.35- 15.50	Dr. Hamid B. Ghoddusi, Ferdousi University, Mashhad, Iran; <i>I-HELP: the past and the future from the point of view of the program participant</i>
16.00 – 16.20	<b>Coffee break</b>
16.20 – 17.00	<b>Fourth session: "Discussion on Final Decision and proposals for the GCHERA Conference Statement"</b>
<b>Chairmen</b>	Prof., Dr. <b>Uwe Jens Nagel</b> , Department of Social Sciences and Extension Education, Humboldt University of Berlin, Germany. Prof., Dr. <b>Volodymyr Kopilevych</b> , director of the natural-humanitarian Institute, NAU, Kyiv, Ukraine
<b>Secretariat</b>	Dr. <b>Anatoly Oliynyk</b> Dr. <b>Lyubov Khomenko</b>
16.20 – 16.45	<i>The discussion of the level of the minimal preparation in fundamental, humanitarian and philological disciplines necessary for providing levels of bachelor and master for agriculture and the actualization of ecological safety and products' quality</i>
16.45 – 17.00	Approval of the project of section resolution
<b>Participants:</b>	<b>leaders of the WGS, chairmen, secretariat, speakers and:</b> Prof. Dr. Uwe Jens Nagel, Prof. Dr. <b>Levy Hillerich</b> , teacher <b>Jennifer Stroebel</b> , Germany; Prof. Dr. <b>Vitaly Lysenko</b> , Prof. Dr. <b>Volodymyr Kopilevych</b> , Prof. Dr. <b>Anatoly Cherniy</b> , Dr. <b>Vadym Tkachuk</b> , Ukraine; Dr. <b>Hamid Ghodusi</b> , Iran; Prof. <b>Valery Koshelev</b> , Russia; Students <b>Boris Gadzov</b> , Macedonia; <b>Martin Nilsen</b> , Belgium.
17.00 –18.00	<b>Free time</b>
18.00	<b>Dinner, cultural programs</b>

## **AGRONOMY, BIOTECHNOLOGY AND AGROECOLOGY**

*Location: National Agricultural University of Ukraine, Heroyiv Oborony  
Str. 13, Building 4, Reading Room*

**Leaders:** **Prof. Dr. Oswald van Cleemput**, Faculty of Agricultural and Applied Biological Sciences, University of Ghent, Belgium  
**Prof. Dr. David Sammons**, Associate Dean and Director, Office of International Programs in Agriculture, Purdue University, USA  
**Prof. Semen Tanchyk**, Director, Institute of Plant-Growing, Soil Science and Ecology, National Agricultural University of Ukraine  
**Prof. Dr. Academician UAAS, Myhailo Gorodniy**, Director of Institute of Agrotechnology and Quality of Agricultural Products, NAU, Ukraine

**Secretary** **Dr. Yuriy Kravchenko**, Deputy Director of Institute of Plant-Growing, Soil Science and Ecology, NAU, Ukraine  
Tel: + 38 044 267 86 89, e-mail: [kravch@twin.nauu.kiev.ua](mailto:kravch@twin.nauu.kiev.ua)

### **AGENDA**

9.00 - 11.00 *First Session*  
*Theme: ASPECTS OF AG PRODUCTS AND FOOD QUALITY AND SAFETY IN CURRICULA FOR BACHELOR AND MASTER DEGREES IN AGRONOMY*

**Chairmen:** **Prof. Dr. Oswald van Cleemput**, Faculty of Agricultural and Applied Biological Sciences, University of Ghent, Belgium  
**Prof. Dr. Michael Böhme**, Department of Horticultural Sciences, Humboldt-University of Berlin, Germany  
**Prof. Dr. Academician UAAS, Petro Kovalenko**, Director, Institute of melioration and water engineering UAAS, Ukraine  
**Prof. Dr. Semen Tanchyk**, Director, Institute of Plant-Growing, Soil Science and Ecology, National Agricultural University of Ukraine

**Secretary:** **Dr. Yuriy Kravchenko**, Deputy Director of Institute of Plant-Growing, Soil Science and Ecology, NAU, Ukraine

9.00 - 9.10 *Welcome and Opening Word*  
**Prof. Dr. Oswald van Cleemput**, Faculty of Agricultural and Applied Biological Sciences, Ghent University, Belgium

*Agenda Description*  
**Prof. Dr. Semen Tanchyk**, Director, Educational and Research Institute of Plant-Growing, Soil Science and Ecology, National Agricultural University, Ukraine

9.10 - 9.30 **Prof. Dr. Oswald van Cleemput**, Faculty of Agricultural and Applied Biological Sciences, University Ghent, Belgium  
*Agricultural Education System in the Universities of EU Countries*

9.30 - 9.45 **Prof. Dr. Academician UAAS, Myhailo Gorodniy**, Director of Institute of Agrotechnology and Quality of Agricultural Products, NAU, Ukraine  
*Up-to-date Scientific Methods Concerning Using of Land and Personnel Training*

- 9.45 – 10.00 **Prof. Dr. David Sammons**, Associate Dean and Director, Office of International Programs in Agriculture, Purdue University, USA  
*Core Requirements for Modernizing Agronomy Curriculum at the B.S. and M.S. levels: A U.S. Perspective*
- 10.00 - 10.20 **Prof. Dr. Michael Böhme**, Department of Horticultural Sciences, Humboldt-University of Berlin, Germany  
*The Educational Statement of the Brother Humboldt - up to date for the Education at the Faculty for Agriculture and Horticulture.*
- 10.20 – 10.35 **Prof. Dr. Semen Tanchyk**, Director of Institute of Plant-Growing, Soil Science and Ecology, National Agricultural University of Ukraine  
**Dr. Yuriy Kravchenko**, Deputy Director of Institute of Plant-Growing, Soil Science and Ecology, NAU, Ukraine  
*Requirements to Personnel Training of Agricultural Direction in NAUU*
- 10.35 – 10.50 **Prof. Dr. Academician NAS and UAAS, Oleksiy Sozinov**, Agroecology Department, NAU, Ukraine  
*Tendencies of Sustainable Agriculture*
- 10.35 - 11.00 *Discussion*
- 11.00 – 11.30 *Coffee break*
- 11.30 – 13.00 *Continuation of the working group session*
- Chairmen:** **Prof. Dr. David Sammons**, Associate Dean and Director, Office of International Programs in Agriculture, Purdue University, USA  
**Prof. Dr. Jun Zhu**, Dean of Agriculture and Biotechnology School Zhejiang University, PR China  
**Prof. Dr. Petro Kondratenko**, Director Institute of Horticulture UAAS, Ukraine  
**Dr. Maksym Melnychuk**, Dean of Plant Protection and Biotechnology Faculty, National Agricultural University of Ukraine
- Secretary:** **Dr. Iryna Smetanska**, Department Processing and Standardization Technologies of Plant Growing Produce, NAU, Ukraine
- 11.30-11.50 **Dr. Maksym Melnychuk**, Dean of Plant Protection and Biotechnology Faculty, National Agricultural University of Ukraine  
*Molecular-Biological Method Diagnostic of Latent Virus Infection Carrier State in Seeds and Plants*
- 11.50-12.10 **Prof. Dr. Joao Paulo Torres**, Institute of Biophysics, Brazil  
*Ecological Problems in Plant Protection.*
- 12.10-12.30 **Prof. Dr. Terry A. Brase**, Kikwood Community College, USA,  
**Prof. Dr. Viktor Zabaluev, Mr. Olexandr Tarika** - Dnipropetrovsk State Agrarian University, Ukraine  
*Integration of Precision Agriculture course to agronomist curricula in Dnipropetrovsk State Agrarian University*

- 12.30-12.45 **Prof. Dr. Lalit P. Chaudhari**, Institute of Steady Development and Researches, India  
*Management of Irrigation Through Conjunctive Use of Water for Aquaculture and Horticulture: - an Indian Overview.*
- 12.45-13.00 *Discussion*
- 13.00 – 14.30 *Lunch*
- 14.30 – 15.30 *Visiting departments of Institute of of Plant-Growing, Soil Science and Ecology, poster session:*
- Dr. Mohamed Wagih**, Executive Director Biotechnology Center University of Technology, Lae  
*Biosafety Regulatory Policy in Biotechnology: The Issue and Considerations for Developing Countries*
- Dr. Iryna Smetanska**, Department Processing and Standardization Technologies of Plant Growing Produce, NAU, Ukraine  
*Elicitor Influence on Products Auxiliary Metabolites in “Brassicaceae” exudations.*
- Prof. Dr. Svitlana Kalenska**, Head of the Plant Growing Department, National Agricultural University of Ukraine  
*Features of Agronomy Professional Training at the Conditions of Plant-Growing Reformation in Ukraine.*
- Prof. Dr. Myhaylo Romastchenko**, Head of Land-Reclamation department, National Agricultural University of Ukraine  
*Features of Specialist Training for Implantation Modern Technologies based on drip irrigation in Vegetable Growing and Viticulture.*
- Prof. Dr. Mykola Kyryk**, Director of Phytomedicine and Environment Protection, National Agricultural University of Ukraine  
*Plant Protection and Personnel Training.*
- Prof. Dr. Vitaliy Fedorenko**, Institute of Plant Protection, Ukraine  
*Plant Pests, the Ways of Decreasing their Quantity.*
- Dr. Mykhaylo Y. Dmytrashak**, Dean of Agronomy Faculty, National Agricultural University of Ukraine,  
*Features of Practical Training the Specialists from Agronomy in National Agricultural University of Ukraine as to Degrees of the Higher Agricultural Education System.*
- Dr. Nataliya M. Ridey**, Dean Faculty of Agricultural Chemistry and Soil Science, National Agricultural University of Ukraine  
*Comparative Analysis of Bachelor’s and Master’s Curriculums for Agronomy, Biotechnology and Agroecology*
- 15.30 – 15.45 *Coffee break*

15.45 – 16.45	<b>Roundtable</b> <i>Comparative Analysis of Bachelor's and Master's Curriculums for Agronomy, Biotechnology and Agroecology ; Issues of Quality and Safety Agricultural and Food Products in Curriculums for Agronomy; Strengthening an Ecological Aspects and issues on Sustainable Development into Curricula</i>
<b>Chairmen:</b>	<b>Prof. Dr. Edward Kanemasu</b> , Director of International Agriculture Programs, University of Georgia, USA <b>Prof. Dr. Academician UAAS, Viktor V. Royik</b> , Director Institute of Sugar beet UAAS, Ukraine <b>Prof. Dr. Academician UAAS, Viktor F. Sayko</b> , Director Institute of farming UAAS, Ukraine <b>Prof. Dr. Valentyna V. Pidlisnyk</b> , Chief of Agroecology department, National Agricultural University of Ukraine
<b>Secretary:</b>	<b>Dmytro Vydryn, Olga Denischuk</b> , National Agricultural University of Ukraine
<b>Participants:</b>	<b>take part chairmen, secretaries, all speakers and:</b> <b>Prof. Dr. Georges Hofman</b> , Ghent University, Belgium <b>Prof. Dr. Paul Gibson</b> , Dnepropetrovsk Medical Academy <b>Prof. Dr. Ping Wu</b> , Executive Dean of Life Science School Zhejiang University, PR China <b>Prof. Dr. Yingxu Chen</b> , Executive Dean College of Environmental and Resource Science Zhejiang University, PR China <b>Prof. Dr. WU Qing-feng</b> , Supervise and Examine Center on Sugarbeet Quality of Agricultural Department, Heilongjiang Hulan, PR China <b>Prof. Dr. Behrooz Jafarpoor</b> , Prof and Dean Faculty of Agriculture Ferdowsi University of Mashhad, Iran <b>Prof. Dr. Vladan Markovic</b> , Faculty of Agriculture University of Novi Sad, Serbia and Montenegro <b>Mr. Idanosa O. Austine</b> , National Institute of Applied Science Training and Research, Nigeria <b>Mr. Adenakan A. Opeoluwa</b> , Heritage foods Nigeria Limited, Nigeria <b>Prof. Dr. Beken Alimzhanov</b> , Rector, Kazakh Agrarian University named after S.Seifullin, Kazakhstan <b>Prof. Dr. Michail Gorbunov</b> , Vice-Rector, Kazakh Agrarian University named after S.Seifullin, Kazakhstan <b>Dr. Oleksiy Prylipka</b> , Director Educational Research Center of Fruit and Vegetable Growing, Head of greenhouse operations department, General Director of Agro Industrial Complex "Pushcha Vodytsya", NAU, Ukraine <b>Mr. Anatoly Rybak</b> , Head of Ukrainian Orchard Wine Concern, Ukraine <b>Prof. Dr. Academician UAAS, Viktor Ushkarenko</b> , Rector, Kherson State Agricultural University, Ukraine <b>Prof. Dr. Mykola Yevtushenko</b> , Rector, Kharkiv National Agricultural University, Ukraine <b>Prof. Dr. Sergey Retman</b> , Vice-Director Institute of Plant Protection UAAS, Ukraine <b>Mr. Douglas Tookey</b> , Economic and Ecology Advisor, Organization of Security and Cooperation in Europe (OSCE), Uzbekistan
16.30 -16.45	<b>Discussion on Final Decision and proposals for the GCHERA Conference Statement</b>
16.45-17.00	<b>Presentation of the Handbook "Key Questions about Sustainable Development : What Everybody needs to know"</b>
17.30-19.00	<b>Attending the places of student practical preparation (Agroindustrial complex "Pustcha Vodytsa").</b>
19.00	<b>Dinner, free time, cultural programs</b>

## ANIMAL SCIENCE, WATER BIORESOURCES AND FOOD TECHNOLOGIES

*Location: National Agricultural University of Ukraine,  
Building № 7a, Rooms № 206, 207, 208  
12 Heroyiv Oborony Str.*

**Leaders:** **Prof. Dr. Ernst Lindemann**, Faculty of Agriculture and Horticulture, Humboldt University, Berlin, Germany  
**Prof. Dr. Douglas Kenealy**, Department of Animal Science, Iowa State University, USA  
**Prof. Dr. Mykola Zakharenko**, Director, Education and Research Institute of Animal Science and Water Bioresources, National Agricultural University of Ukraine

**Secretariat:** **Dr. Natalia Ponomarenko, Dr. Volodymyr Maltsev,**  
**Ass. Inna Kurbatova**, National Agricultural University of Ukraine  
*Tel: +38 044 2678258, e-mail: [intvb@nauu.kiev.ua](mailto:intvb@nauu.kiev.ua)*

### AGENDA

- 9.00 – 9.30** Acquaintance with the educational, research facilities of Education and Research Institute of Animal Science and Water Bioresources of the NAUU
- 9.30 - 11.00** *General Session*
- 9.30 - 10.00** *Welcome and Opening Speech*  
**Prof. Dr. Mykola Zakharenko**, Director, Education and Research Institute of Animal Science and Water Bioresources, National Agricultural University of Ukraine  
*Greetings to participants*  
**Dr. Yuriy Melnyk**, Deputy Minister, Ministry of Agricultural Policy of Ukraine, Member of the Ukrainian Academy of Agrarian Sciences  
**Dr. Sergiy Alymov**, Head of the Department of Fisheries of Ukraine, Ministry of Agricultural Policy of Ukraine, Ass. Prof.  
**Dr. Olexandr Kuts'**, Head of Department of Reforms in Agriculture, Ministry of Agricultural Policy of Ukraine
- 10.00 - 10.20** *NAUU- ISU: a successful model for curriculum alignment*  
**Prof. Dr. Douglas Kenealy**, Department of Animal Science, Iowa State University, USA
- 10.20 - 10.40** *Globalization and internationalization of training of specialists in agriculture*  
**Prof. Dr. Ernst Lindemann**, Faculty of Agriculture and Horticulture, Humboldt University, Berlin, Germany
- 10.40- 11.00** *Strategy of specialist training in Russia for rational water bioresource management and nature use*  
**Prof. Dr. Olexiy Bagrov**, Director, Federal State Unitary Enterprise «Russian scientific-industry Institute of Fisheries», Russia
- 11.00 – 11.30** *Coffee Break*

- 11.30 – 13.00**  
**Location:** *Sub session 1: Animal Science*  
*National Agricultural University of Ukraine,*  
*Building № 7a, Room № 206*  
*12 Heroyiv Oborony Str.*
- Chairmen:** **Prof. Dr. Otto Kaufmann**, Department of Animal Sciences, Faculty of Agriculture and Horticulture, Humboldt University, Berlin, Germany  
**Acad., Dr. Valeriy Burkat**, Academician Secretary of Department of Animal Science and Biotechnology, Ukrainian Academy of Agrarian Sciences  
**Prof. Dr. Mykola Zakharenko**, Director, Education and Research Institute of Animal Science and Water Bioresources, National Agricultural University of Ukraine
- Secretary:** **Dr. Natalia P.Ponomarenko**, National Agricultural University of Ukraine
- 11.30- 11.50 *Masters in the specialty “Animal Science” in the Humboldt University, Berlin, Germany*  
**Prof. Dr. Otto Kaufmann**, Department of Animal Sciences, Faculty of Agriculture and Horticulture, Humboldt University, Berlin, Germany
- 11.50- 12.10 *Analysis of educational curricula for specialist training in Animal Science at the universities over the world (NAUU, Kiev, Ukraine; Humboldt University, Berlin, Germany; Gent University, Brussels, Belgium; Iowa State University, USA)*  
**Dr. Yuriy Zasukha**, Dean of the Faculty of Animal Science, National Agricultural University of Ukraine
- 12.10- 12.30 *Practically oriented courses based on science in Animal Production at a University of Applied Sciences*  
**Prof. Dr. Henning Willeke**, University of Applied Sciences, Weihenstephan, Germany
- 12.30- 13.00** *Discussion*
- 11.30 – 13.00**  
**Location:** *Sub session 2: Water Bioresources and Aquaculture*  
*National Agricultural University of Ukraine,*  
*Building № 7a, Room № 207*  
*12 Heroyiv Oborony Str.*
- Chairmen:** **Dr. Sergiy Alymov**, Chairman, Department of Fisheries of Ukraine, Ministry of Agricultural Policy of Ukraine, Ass. Prof.  
**Prof. Mykola Evtushenko**, Director, Education and Research Center of Aquaculture and Water Bioresources of the NAUU, Corresponding Member of the National Academy of Science of Ukraine, National Agricultural University of Ukraine  
**Dr. Laslo Varadi**, Director, Institute of Fisheries, Aquaculture and Irrigation, Hungary  
**Dr. Petro Shevchenko**, Dean of the Faculty of Water Bioresources and Aquaculture, National Agricultural University of Ukraine
- Secretary:** **Dr. Volodymyr I. Maltsev**, National Agricultural University of Ukraine

- 11.30- 11.50 *Organizing of studies and curriculum for specialist training in aquaculture, ecology and environmental protection in the Inland Fisheries Institute, Poland*  
**Dr. Rishard Colman**, Inland Fisheries Institute, Poland
- 11.50- 12.10 *The perspectives of specialists training in fishing and fish farming*  
**Dr. Laslo Varadi**, Director, Institute of Fisheries, Aquaculture and Irrigation, Hungary
- 12.10- 12.30 *Analysis of educational curricula for specialist training in Water Bioresources and Aquaculture in the universities over the world (NAUU, Kiev, Ukraine; Humboldt University, Berlin, Germany; Gent University, Brussels, Belgium; Astrakhan State Technical University, Russia; Kaliningrad State Technical University, Russia)*  
**Dr. Petro H. Shevchenko**, Dean of the Department of Water Bioresources and Aquaculture, National Agricultural University of Ukraine
- 12.30- 13.00** *Discussion*
- 11.30 – 13.00** *Sub session 3: Food Technologies*  
**Location:** *National Agricultural University of Ukraine, Building № 7a, Room № 208, 12 Heroyiv Oborony Str.*
- Chairmen:** **A. Lovatelli**, Manager, EASTFISH, Denmark  
**Dr. Petro Bukovskiy**, Marine Institute of Fishery, Poland  
**Dr. Olexandr I. Kuts'**, Head of Department of Reforms in Agriculture, Ministry of Agricultural Policy of Ukraine  
**Prof. Dr. Anna Vasyukova**, Chief of the Department Chair of Technology for Processing of Agricultural and Fishery Products, National Agricultural University of Ukraine
- Secretary:** **Ass. Natalia Shevchuk**, National Agricultural University of Ukraine
- 11.30 –11.45 *Perspectives of fish processing in Byeloruss' Republic*  
**Dr. V. Maksimov**, Chief of the Department of Licensing and Processing of Fish Products, State Administration of Byeloruss' Republic
- 11.45 –12.00 *Improvement of curricula for specialist training in Fish Processing*  
**Dr. Alex Vinnov.**, Rector, Kerch Maritime Technological Institute, Crimea, Ukraine
- 12.00 -12.15 *Safety of food products and biologically active additives*  
**Dr. V. Yanitskiy**, Chief of the Central Directorate of Technical and Innovation Policy of the State Department of food of Ukraine
- 12.15 -12.30 *Teaching disciplines of technologies for production of food products at the Moscow State University of Service*  
**Prof., Dr. E. Ivannikova**, Moscow State University of Service, Russia
- 12.30 -12.45 *Organizing of education for the technological specialties at the Crimean State Agricultural University*  
**Prof., Dr. Yuriy Gerber**, Dean of the Department of Food Technologies, Crimean State Agricultural University, Crimea, Ukraine



12.45 -13.00 **Features of creation of curricula for disciplines on storage, conservation and processing of meat and fish**  
**Prof. Dr. Anna T. Vasyukova**, Chief of Department Chair of Technology for Processing of Agricultural and Fishery Products, National Agricultural University of Ukraine

13.00-14.30 **Lunch**

14.30 – 15.00 **Poster Session**

15.00 – 15.30 **Roundtable**  
**Location:** **National Agricultural University of Ukraine, Building № 7a, Room № 206 12 Heroyiv Oborony Str.**

**Chairmen:** **Prof. Dr. Ernst Lindemann, Prof. Dr. Douglas Kenealy, Prof. Dr. Mykola O. Zakharenko, Prof. Dr. Anna T. Vasyukova,**  
**Secretary:** **Ass. Prof. Volodymyr I. Maltsev**

**Recommendations for curricula of specialist training for Bachelor and Master Degrees in specialties 'Animal Science' and 'Water Bioresources and Aquaculture'**

**Prof. Dr. Mykola Zakharenko**, Director, Education and Research Institute of Animal Science and Water Bioresources, National Agricultural University of Ukraine

**Prof. Dr. Grygoriy Bogdanov**, Academician of Ukrainian Academy of Agrarian Sciences

**Dr. L. Serdyuk**, Odessa State Academy of Food Technologies, Ukraine

**Prof. Dr. T.K. Lebskaya**, Murmansk Technological University, Russia

**Dr. H. Cronavitter**, Director of firm "Crona", Germany

**N.A. Shatalov**, Director-in-chief, Kerch Fish Processing Enterprise 'Kerchensky Rybokombinat', Crimea, Ukraine

**Dr. Grygoriy Myronyuk**, Director, International Institute of Food Safety and Quality, Ukraine

**Dr. Olga Koval**, National Agricultural University of Ukraine

**Prof. Dr. M.Klimenko**, National university of food technologies, Ukraine

**Dr. V. Pasichnyy**, Kiev National Trade and Economic University, Ukraine

**Dr. K.Bilenko**, Moscow State University of Service, Russia

**Prof.Dr. L. Malyuk**, Kharkiv State Trade and Food University, Ukraine

**Discussion on Final Decision and proposals for the GCHERA Conference Statement**

15.30-19.00 Acquaintance with the labs and farms for educational and industrial practices of students of Education and Research Institute of Animal Science and Water Bioresources of the NAUU

19.00 **Dinner**

## FORESTRY, PARK-GARDENING, AND LANDSCAPE ARCHITECTURE

*Location: National Agricultural University of Ukraine, Building 1, Room 97, Heroyv Oboroni str 19*

- Leaders:** Prof., Dr., Hartmut Gossow, Head of Department, Institute BOKU, Austria  
Dr., Senior scientist, Odd Eilertsen, Director, Norwegian Institute of Land Inventory, Norway  
Yurij Bihun, Director, Shelterwood Systems, USA
- Secretary:** As.Prof., Ph.D., Sergiy Zibtasev, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
Ph.D., Mykhaylo Petrenko, assistance of professor, Forest Management Department, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv

### AGENDA

- 9.00-9.30**                    *General Session*
- 9.00-9.10                    Prof., Dr., Petro Lakyda, Director, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
Open section, presidium invitation, agenda
- 9.10-9.20                    Mr. Mykola Kolisnichenko, Head of State Committee of Forestry of Ukraine  
Opening address
- 9.20-9.30                    Prof., Dr., Petro Lakyda, Director, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
Familiarity with section participants
- 9.30-11.00**                    *First Session: Directions, problems and perspectives forestry education in Ukraine and World*
- Chairmen:** Dr., Senior scientist, Odd Eilertsen, Director, Norwegian Institute of Land Inventory, Norway  
Dr., Prof., Petro Lakyda, Director, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv
- Secretary:** Ph.D., Mykhaylo Petrenko, assistance of professor, Forest Management Department, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv
- 9.30-9.50                    Prof., Dr., Hartmut Gossow, Head of Department, Institute BOKU, Austria  
*“Forestry Education and Internationalisation at BOKU”*
- 9.50-10.05                    Prof., Dr., Petro Lakyda, Director, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
*“Analysis of effectiveness of changes in ERI for Forestry and Landscape Architecture structure”*
- 10.05-10.20                    Prof., Dr., Yuriy Tunitsya, Rector, Ukrainian State Forest-Technical University, Lviv, Ukraine  
*“Preparation of economist-ecologist in Ukraine”*
- 10.20-10.40                    Prof., Dr., Jersy Wojtatowich, Dean, Faculty of Architecture, High School of Ecology and Management, Warsaw, Poland  
*“The Main Tendency in Preparation of Landscape Architecture Specialists in Poland”*

- 10.40-11.00      **Yurij Bihun** Director, Shelterwood Systems, USA  
*“Certification and other conservation strategies in the sustainable development of Ukrainian’s forest resources in a transition economy”*
- 11.00-11.30      **Coffee break**
- 11.30-13.00      *Second session: Directions, problems and perspectives forestry education in Ukraine and World*
- Chairmen:**      **Yurij Bihun**, Director, Shelterwood Systems, USA  
**As. Prof., Ph.D., Sergiy Kovalevskiy**, Dean, Forestry College, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv
- Secretary:**      **Ph.D., Mykhaylo Petrenko** assistance of professor, Forest Management Department, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv
- 11.30-11.50      **Dr., Senior scientist, Odd Eilertsen**, Director, Norwegian Institute of Land Inventory, Norway  
*“Forest and landscape monitoring. The importance of education and competence building for natural resource management”*
- 11.50-12.10      **Professor, Dr., Grigoryi Krinitskiy**, Vice-Rector, Ukrainian State Forest-Technical University, Lviv, Ukraine  
**As.Prof., Ph.D., Stepan Myklush**, Dean, Forestry College, Ukrainian State Forest-Technical University, Lviv, Ukraine  
*“Structure and ecological direction of curriculums for forestry specialists preparation”*
- 12.10-12.30      **As. Prof., Ph.D.,Sergiy Kovalevskiy**, Dean, Forestry College, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**Professor, Ph.D., Victor Maurer**, Forestry College, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
*“Increasing of directions of forestry specialist preparation as a necessity for transition of the industry to new economical conditions”*
- 12.30-13.00      **As.Prof., Ph.D., Piotr Melnik**, Department of Silviculture, Moscow State University of Forest, Russia  
*“200 Years of Higher Forest Education in Russia: Past, Present, Future”*
- 13.30-14.00      **Lunch**
- 14.00-14.30      **Familiarity with Institute**
- 14.30-16.00      *Third Session: Roundtable*
- Chairmen:**      **Prof., Dr., Hartmut Gossow**, Head of Department, University BOKU, Austria  
**Prof., Dr., Yu. Tunitsya**, Rector, Ukrainian State Forest-Technical University, Lviv, Ukraine
- Secretary:**      **As.Prof., Ph.D., Sergiy Zibtsev**, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv

**Participants:**

**Prof., Dr., Edmundas Bartkyavichus**, Dean, Forest College, Lithuanian Agricultural University, Lithuania  
**Yurij Bihun**, Director, Shelterwood Systems, USA  
**Senior Scientist, Ph.D., Igor Bukha**, Head of Forest Monitoring and Certification Laboratory, URIFFM, Kharkiv, Ukraine  
**Prof., Dr., Jersy Wojtatowich**, Dean, Faculty of Architecture, High School of Ecology and Management, Warsaw, Poland  
**Prof., Dr., Hartmut Gossow**, Head of Department, University BOKU, Austria  
**Prof., Dr., Romualdas Dyaltuvas**, Vice-Rector, Lithuanian Agricultural University, Lithuania  
**Oksana Volosko-Demkiv**, Director of Department of Marketing and Management, Ukrainian Land and Resource Management Center, Kyiv  
**Dr., Senior scientist, Odd Eilertsen**, Director, Norwegian Institute of Land Inventory, Norway  
**As.Prof., Ph.D., Sergiy Zibtsev**, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**As. Prof., Ph.D., Sergiy Kovalevskiy**, Dean, Forestry College, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**Ph.D., Oleh Kolosok**, assistance of professor, Forest Management Department, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**As.Prof., Ph.D., Pavlo Kravets**, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**Professor, Dr., Grigoryi Krinitskiy**, Vice-Rector, Ukrainian State Forest-Technical University, Lviv, Ukraine  
**Prof., Dr., Petro Lakyda**, Director, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**Professor, Ph.D., Victor Maurer**, Forestry College, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**As.Prof., Ph.D., Piotr Melnik**, Department of Silviculture, Moscow State University of Forest, Russia  
**As.Prof., Ph.D., Stepan Myklush**, Dean, Forestry College, Ukrainian State Forest-Technical University, Lviv, Ukraine  
**Sergey Nazimko**, Chief Specialist of JSC Arcada, Kyiv, Ukraine  
**Ph.D., Mykhaylo Petrenko**, assistance of professor, Forest Management Department, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**Prof., Dr., Yu. Tunitsya**, Rector, Ukrainian State Forest-Technical University, Lviv, Ukraine  
**As.Prof., Ph.D., Vasil Yukhnovskiy**, ERI for Forestry and Landscape Architecture, National Agricultural University of Ukraine, Kyiv  
**Guo Janxin**, Assistant of Professor, Assistant to the Director, Institute of Information on Agricultural Science and Technology, Beijing Academy of Agriculture and Forestry Science, People's Republic of China

**Discussion on Final Decision and proposals for the GCHERA Conference Statement**

- 16.00 Excursion to Boyarka Forest Investigation Station (forestry enterprise)
- 19.00 Dinner

# MECHANIZATION, ELECTRIFICATION AND AUTOMATION FOR AGRICULTURE AND FORESTRY, AGRICULTURAL MACHINES AND EQUIPMENT

*Location: National Agricultural University of Ukraine, building 11 of Educational and Research Technical Institute, reading hall, Heroiv Oborony Str. 12*

**Leaders:** Prof., Dr. Vincent F. Bralts, Purdue University, USA  
Prof., Dr. Zdzislav Targonsky, Rector of Lublin Agricultural Academy, Poland  
Prof., Dr. Dytro I. Mazorenko, Rector of Kharkov State Technical University of Agriculture, Ukraine  
Prof., Dr. Dmitro G. Voytyuk, Director of The Educational and Research Technical Institute of National Agricultural University of Ukraine

**Secretariat:** Dr. Ivan V. Yeremenok, Chief of the International Programs of Educational and Research Technical Institute of National Agricultural University, Ukraine  
Dr. Oksana V. Zazymko, NAU, Ukraine  
Dr. Nina Batechko, NAU, Ukraine  
*Tel. for references: +38 044 267 8608, 267 8769*  
*E-mail: [yeremenok@nauu.kiev.ua](mailto:yeremenok@nauu.kiev.ua)*

## AGENDA

9.00 – 11.00 ***First session: REQUIREMENTS TO EDUCATIONAL STANDARDS OF AGRARIAN ENGINEERS PREPARATION FOR ASSURANCE OF FOOD SAFETY, STANDARDIZATION, CERTIFICATION AND QUALITY OF AGRICULTURAL PRODUCTS***

**Chairmen:** Prof., Dr. Vincent F. Bralts, Purdue University, USA  
Prof., Dr. Dmitro G. Voytyuk, Director of The Educational and Research Technical Institute of National Agricultural University of Ukraine

**Secretary**  
9.00 – 9.30 **Dr. Oksana V. Zazymko, NAU, Ukraine**  
***Opening of the section and opening words***  
Prof., Dr. Mykola F. Bojko, Chief of Manpower Policy, Agrarian Education and Science Department of the Ministry of The Agrarian Policy of Ukraine  
Prof., Dr. Imrich Okenka, Rector of the Agricultural University Nitra, Slovakia  
***Statement of the plan of sessions***  
Prof., Dr. Dmitro G. Voytyuk, Director of The Educational and Research Technical Institute of National Agricultural University of Ukraine

9.30 – 9.50 **Prof., Dr. Vincent F. Bralts, Purdue University, USA**  
***- Features of preparation of master degree holders with "Agroengineering" specialization***

9.50 – 10.10 **Prof., Dr. Dytro I. Mazorenko, Rector of Kharkov State Technical University of Agriculture, Ukraine**  
**Prof., Dr. Dmitro G. Voytyuk, Director of The Educational and Research Technical Institute of National Agricultural University of Ukraine**  
**Dr. Yaroslav M. Mickhailovich, Dean of Mechanization of Agriculture Faculty of NAU, Ukraine**  
***- Features of agricultural engineers preparation in view of society sustainable development and food security strengthening***

- 12.20 – 12.35 **Dr. Horst Waldert**, CLAAS Company, Germany  
**Mrs. Sergei Butov, Viktor Weber**, CLAAS Company, Germany  
 Modern technique of teaching of mechanics, hydraulics and electronics with application of computer animation
- 12.35 – 12.50 **Prof., Dr. V. Büscher**, Germany  
**Prof., Dr. Dr.-Ing. Petro Yevich**, Prague Institute of agricultural machinery, Czechia  
**Dr. Valentyn G. Myronenko**, NAU, Ukraine  
*- Uses of nonconventional energy sources in power supply of an agricultural production*
- Prof. Dr. Eugeniusz Krasowski, Prof. Dr. Veslav Pekarski**, Poland  
*Motorization and Power Industry in Agriculture*
- 13.00 – 13.45 *Lunch*  
 13.45 – 14.30 *Acquaintance with educational & material resources of The Educational and Research Technical Institute of NAUU*
- Third sesion*  
 14.30 – 16.00 **Theme: INCREASE OF QUALITY AND RELIABILITY OF POWER SUPPLY**
- Chairmen: **Prof., Dr. V. Büscher**, Germany  
**Prof., Dr. Volodymir V. Kozyrsky**, Director of The Education-Scientific centre of Power Engineering and Automation of Agricultural Manufacture of NAU, Ukraine
- Secretary **Dr. Nina Batechko**, NAU, Ukraine
- 14.30 – 14.50 **Prof., Dr. Volodyvir I. Zaginailo**, Moscow State Agroengineering University, Russia  
**Prof., Dr. Vitalyj P. Lysenko**, NAU, Ukraine  
**Prof., Dr. Volodymir V. Kozyrsky**, NAU, Ukraine  
*- Automation of stationary and mobile processes in agriculture as means of ecological safety and food quality increase*
- 14.50 – 15.10 **Dr. Peter Thomson**, General Director of AGCO Representative Office in Ukraine  
**Dr. Leonid V. Aniskevich**, NAU, Ukraine  
*- Development of scientific bases of precision agriculture and its application in agriculture as the answer to negative processes strengthening of man-caused actions on the environment in XXI century*
- 15.10 – 15.30 **Academician, Dr. Ivan I. Martynenko**, NAU, Ukraine  
**Academician, Dr. Dmytro S. Strebkov**, All-Russia Institute of Electrification of The Agriculture, Russia  
*- Increase of reliability and quality of power supply in conditions of deficiency of power sources*
- 15.30 – 15.50 **Prof., Dr. Sergiu Chiriacescu**, Transilvania University of Brasov, Romania  
**Prof., Dr. Simion Popescu**, Transilvania University of Brasov, Romania  
**Prof., Dr. Vasyl M. Pavlisky**, Rector of Beregany Agrotechnical Institute, Ukraine

15.50 – 16.00	<b>Prof., Dr. Volodymir M. Bulgakov</b> , NAU, Ukraine <i>- Designing agricultural machinery, its conformity to the international requirements of quality, standardization and certification</i> <i>Discussion</i>
16.00 – 16.30	<i>Coffee break</i>
16.30 – 17.45	<i>Fourth session</i> <b>Theme: MAINTENANCE AND TECHNICAL SERVICE OF COMPLICATE MACHINES AND EQUIPMENT</b>
Chairmen:	<b>Prof., Dr. Peter Kubrushko</b> , Moscow State Agroengineering University, Russia <b>Prof., Dr. Ivan I. Melnyk</b> , Director of The Education-Scientific centre of Mechanization of Manufacture in Agro-Industrial Complex of NAU, Ukraine
Secretary	<b>Dr. Valeryj D. Voytyuk</b> , Head of the Department of Maintenance and Technical Service of NAU, Ukraine
16.30 – 16.50	<b>Prof., Dr. Michail Viskrebentsev</b> , Moscow State Agroengineering University, Russia <b>Prof., Dr. Mikhola V. Molodyk</b> , Farm Machinery Approbation Centre, Ukraine <b>Dr. Cheslav I. Jdanovich</b> , Byelorussia <i>- The tasks of technical service nowadays</i>
16.50 – 17.10	<b>Prof., Dr. Anatoly I. Boyko</b> , Director of The Education-Scientific centre of Mechanical Engineering of NAU, Ukraine <b>Dr. Konstantyn G. Lopatko</b> , Dean of Agricultural Engineering Faculty of NAU, Ukraine <i>- Development of scientific researches in the field of repair and technical service</i>
17.10 – 17.30	<b>Prof., Dr. Karl-H. Kromer</b> , Agricultural Engineering Institute of Bonn University, Germany <b>Prof., Dr. Sergij F. Pylypacka</b> , Director of The Education-Scientific centre of Mathematics, Physics, Mechanics of NAU, Ukraine <b>Prof., Dr. Corresponding Member of UAAS, A.S.Kushnarov</b> , Ukraine <i>- System of teaching of base engineer disciplines in Germany</i>
17.30 – 17.45	<i>Discussion</i>
17.45 – 18.00	<i>Coffee break</i>
18.00 – 18.30	<i>Final session. Discussion on Final Decision and proposals for the GCHERA Conference statement</i>
Chairmen:	<b>Prof., Dr. Vincent F. Bralts</b> , Purdue University, USA <b>Prof., Dr. Yi-bin Yin</b> , Executive Dean of Biosystem Engineering School of Zhejiang University, PR China <b>Prof., Dr. V. Büscher</b> , Germany <b>Prof., Dr. Peter Kubrushko</b> , Moscow State Agroengineering University, Russia
Secretary	<b>Dr. Ivan V. Yeremenok</b> , Chief of the International Programs of The Educational and Research Technical Institute of National Agricultural University, Ukraine

**Participants:**

*chairmen, secretaries, lecturers of plenary session of section and:*

**Dr. Vasil F. Shpak** - Honorable Chairman of The National Incorporated Company "Ukragroleasing", Ukraine

**Dr. Stanislav M. Nikolaenko**, Head of Education and Science Committee of Supreme Soviet of Ukraine

**Dr. Volodymir V. Ivanishin**, Director of the Department "Ukragromash" of the Ministry of Agricultural Policy of Ukraine

**Dr. Volodymir I. Sachenko**, Director of the Department of Scientific-Technical Policy of the Ministry of Agricultural Policy of Ukraine

**Prof., Dr. Volodymir I. Kravchuk**, Department Head of The Cabinet of Ministers, Ukraine

**Dr. Oleksandr P. Gutsol**, Chieftain of "Ukragrocom" Corp., Ukraine

**Dr. Oleksandr D. Sainsus**, Director "Chervona Zirka" public corporation, Ukraine

**Dr. Leonid P. Kozachenko**, President of Agrarian Confederation, Ukraine

18.30 – 19.00

*Free Time*

19.00

*Dinner and cultural programs*



## AGRICULTURAL ECONOMICS, MANAGEMENT AND MARKETING

*Location: National Agricultural University of Ukraine, Building 10,  
Library, Herojiv Oborony str. 15*

**Leaders:** **Prof. Dr. Dieter Kirschke**, Faculty of Agriculture and Horticulture,  
Humboldt University of Berlin, Germany  
**Prof. Dr. Arne Hallam**, College of Agriculture, Iowa State University, USA  
**Prof. Dr. Valeriy Galushko**,  
Director of Education and Research Institute of Business,  
National Agricultural University, Ukraine  
**Prof. Dr. Sergiy Kvasha**,  
Dean of the Faculty of Economics  
National Agricultural University, Ukraine

**Secretariat:** **Dr. Elena Kovtun**, National Agricultural University, Ukraine  
*Tel.: +38 044 267 85 73*  
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### AGENDA

**9.00-11.00** *First Session*

9.00 – 9.10 **Welcome**  
**Prof. Dr., Member of the Ukrainian Academy of  
Agricultural Sciences (UAAS) Pavlo Gajdutskiy**,  
President Administration, Ukraine

9.10 – 9.20 **Prof. Dr. Valeriy Galushko**,  
Director of Education and Research Institute of Business,  
National Agricultural University, Ukraine  
Introducing of the participants, agenda

9.20 – 9.30 **Opening Speech**  
**Prof. Dr. Arne Hallam**, College of Agriculture,  
Iowa State University, USA

**Chairmen:** **Prof. Dr. Arne Hallam**, College of Agriculture,  
Iowa State University, USA  
**Prof. Dr. Valeriy Galushko**,  
Director of Education and Research Institute of Business,  
National Agricultural University, Ukraine

**Secretary** **Dr. Elena Kovtun**, National Agricultural University, Ukraine

9.30 – 10.00 **Prof. Dr. Dieter Kirschke**, Faculty of Agriculture and Horticulture,  
Humboldt University of Berlin, Germany  
*Agricultural Policy Responding to New Challenges in Food and  
Environmental Quality and Rural Development*

- 10.00 – 10.20 **Prof. Dr. Lehman B. Fletcher**,  
College of Agriculture, Iowa State University, USA  
*Agriculture and Transition: Educating Economists when Markets Matter*
- 10.20 – 10.40 **Prof. Dr. Arshaluys Tarverdyan**, Rector, Armenian Agricultural  
Academy, Armenia  
**Prof. Dr. Daniel Dunn**, Department of Agricultural Economics, Texas  
A&M University, USA  
**Prof. Dr. John P. Nichols**, Department of Agricultural Economics, Texas  
A&M University, USA  
*Requirements to Bachelor Degree Programmes in Ag Management &  
Economics (on the example of Agribusiness Teaching Center in  
Armenia)*
- 10.40-11.15 Poster session
- 11.15 – 11.30 **Coffee break**
- 11.30 – 13.00 *Second session*
- Chairmen:** **Prof. Dr. Dieter Kirschke**, Faculty of Agriculture and Horticulture,  
Humboldt University of Berlin, Germany  
**Prof. Dr. Rasulmat Khusanov**, Director, Uzbek Research Institute for  
Market Reform in Agriculture, Uzbekistan  
**Prof. Dr., Member of the UAAS Olexandr Shpichak**,  
Institute of Agrarian Economy, UAAS, Ukraine
- Secretary** **Dr. Elena Kovtun**, National Agricultural University, Ukraine
- 11.30 – 11.50 **Prof. Dr. Akimi Fujimoto**, Tokyo University of Agriculture, Japan  
*Studying for Master's Degree in Agriculture and Related Areas in Japan*
- 11.50 – 12.10 **Prof. Dr. Herbert Stroebel**, Weihenstephan University of Applied Sciences,  
Germany  
*Globalization and internationalization of MSc and MBA Programmes*
- 12.10 – 12.30 **Mr. Gennadij Supikhanov**, JSC “Zerno Ukrainy”, Ukraine  
*Requirements to contemporary managers in transnational agricultural  
companies*
- 12.30 – 12.50 **Dr. Alexej Lissitsa**, Institute of Agricultural Development in Central and  
Eastern Europe, Germany  
*Human Capital in Agricultural Sector of Ukraine*
- 12.50 – 13.00 Floor discussion
- 13.00 – 14.00 **Lunch**
- 14.00 – 14.30 **Short information on activities at Education and Research Institute of  
Business of the NAUU**

<b>14.30 – 16.00</b>	<b>Third Sessions</b>
<b>Chairmen:</b>	<b>Prof. Dr. Akimi Fujimoto</b> , Tokyo University of Agriculture, Japan <b>Prof. Dr., Member of the UAAS Petro Sabluk</b> , Director, Institute of Agrarian Economy, UAAS, Ukraine <b>Dr. Mike Christie</b> , University of Wales Aberystwyth, Wales, UK
<b>Secretary</b>	<b>Dr. Elena Kovtun</b> , National Agricultural University, Ukraine
<b>14.30 – 14.50</b>	<b>Dr. Klaus Reinsberg</b> , Institute of Agricultural Development in Central and Eastern Europe, Germany <b>Reforms in Agricultural Economics Research in the EU and Germany</b>
<b>14.50 – 15.10</b>	<b>Prof. Dr. Rasulmat Khusanov</b> , Director, Uzbek Research Institute for Market Reform in Agriculture, Uzbekistan <b>Food Safety Problems and their Relationship to the Market Conditions of Uzbekistan</b>
<b>15.10 – 15.30</b>	<b>Floor discussion</b>
<b>15.30 – 16.00</b>	<b>Roundtable. Discussion on Final Decision and proposals for the GCHERA Conference statement</b>
<b>Participants:</b>	<b>leaders of the WGS, chairmen, secretariat, speakers and:</b> <b>Prof. Dr. Valentina Tkachenko</b> , Rector, Lugansk National Agricultural University, Ukraine <b>Prof. Dr. Tlektes Espolov</b> , Rector, Kazakhstan National Agricultural University, Kazakhstan <b>Prof. Dr. Anatolij Kondratov</b> , Rector, Novosibirsk State Agricultural University, Russia <b>Prof. Dr. Vladimir Shevchenko</b> , Rector, Voronezh State Agricultural University, Russia <b>Prof., Dr. Zu-hui Huang</b> , Vice-Dean of Management School, Zhejiang University, China <b>Prof., Dr. Petro Gerasym</b> , Dean, Faculty of Economics, Lviv State Agrarian University, Ukraine <b>Dr. Walter Ollor</b> , Rivers State University of Science and Technology, Nigeria <b>Dr. Sergiy Mikhailov</b> , Director, Irpin College of Economics, National Agricultural University, Ukraine <b>Dr. Anatolij Iljenko</b> , Dean, Faculty of Economics, Bila Tserkva State Agricultural University, Ukraine <b>Ivan Miroshnichenko</b> , “Cargill”, Ukraine <b>Valeriy Tomilenko</b> , “Vitalmar Agro”, Ukraine
<b>16.00</b>	<b>Excursion to Agro-industrial enterprise “TEPLICHNIY”, Kyiv region</b>
<b>19.00</b>	<b>Dinner</b>

# VETERINARY MEDICINE, FOOD SCIENCES, QUALITY, STANDARDIZATION AND CERTIFICATION

*Location: Kyiv, National Agricultural University of Ukraine, Potekhina Str.16, building # 12 NAU, lecture halls 412,404.*

**Leaders:** **Prof.Dr.Tito Fernandes**, President of European Association of Establishments for Veterinary Education, Technical University Lisbon, Portugal  
**Dr.Petro Verbytsky** Head of State Department of Veterinary Medicine, Ministry of Agrarian Policy of Ukraine, President of Regional Committee International Epizootic Bureau on Europe  
**Prof.Dr.Michael Moody**, Professor and Head Department of Food Science Louisiana State University Agricultural Center Baton Rouge, Louisiana, USA  
**Prof.Dr. Mykola Tsvilikhovsky**, Director ERI of Veterinary Medicine, Quality and Safety of Agricultural Industry Complex Products, National Agricultural University, Ukraine

**Secretariat:** **Dr.Andriy Rozstalnyy, Dr.Larysa Kladnitska, Dr. Vitaliy Zhulay, Yuriy Zvazhenko** National Agricultural University, Ukraine,  
**Nelida Rodriguez** Faculty of Agrarian Sciences, University of Antioquia, Colombia

## AGENDA

9.00-9.30 *General session*

9.00-9.10 **Welcome**  
**Prof.Dr. Mykola Tsvilikhovsky** Director of Institute of Veterinary Medicine, Quality and Safety of Agricultural Industry Complex Products, National Agricultural University, Ukraine

9.10-9.20 **Opening Speech**  
**Dr.Petro Verbytsky** Head of State Department of Veterinary Medicine, Ministry of Agrarian Policy of Ukraine, President of Regional Committee International Epizootic Bureau on Europe

9.20-9.30 Introducing of the participants

9.30-11.00 **First session: “World problems of veterinary medicine, quality and safety of agricultural and food products”**

**Chair** **Prof.Dr.Tito Fernandes**, President of European Association of Establishments for Veterinary Education, Technical University Lisbon, Portugal  
**Prof.Dr.Michael Moody**, Professor and Head Department of Food Science Louisiana State University Agricultural Center Baton Rouge, Louisiana, USA  
**Prof.Dr.Anatoliy Mazurkevych** academician-secretary department of veterinary medicine, Ukrainian agrarian academy of science  
**Dr.Witoon Prinyawiwatkul**, Department of Food Sciences, Louisiana State University, USA

**Secretary:** **Dr.Larysa Kladnitska, Yuriy Zvazhenko** National Agricultural University, Ukraine

- 9.30-9.50**            **Prof.Dr.Dmytro Melnychuk** rector of National Agricultural University of Ukraine, president Global Consortium of Higher Education and Research for Agriculture **Prof.Dr.Anatoliy Mazurkevych** academician-secretary department of veterinary medicine, Ukrainian agrarian academy of science  
**“Reformation problems of veterinary education and science in Ukraine”**
- 9.50-10.15**            **Prof.Dr.Michael Moody**, Professor and Head Department of Food Science Louisiana State University Agricultural Center Baton Rouge, Louisiana, USA  
***“World Food Trade Challenges Associated with Evolving Biosecurity and Food Safety Regulations”***
- 10.15-10.40**            **Prof.Dr.Tito Fernandes**, President of European Association of Establishments for Veterinary Education, Technical University Lisbon, Portugal:  
***“Future of Veterinary Education in Europe”***
- 10.40-11.00**            **Dr.Valeriy Yakubovsky**, General Director of Bureau Veritas in Ukraine  
***“Management System Method Approach to Quality and Safety Assurance in Agrifood Industry and Its Implementation in Ukraine and other NIS countries”***
- 11.00-11.30**            **Coffee break**
- 11.30-13.30**            **Second session**
- Working group:**        **Veterinary Medicine**  
***“CONTEMPORARY ASPECTS OF SPECIALISTS TRAINING FOR VETERINARY MEDICINE”***
- Location:**            ***building #12, lecture hall 412 G***
- Chair**                    **Dr.Petro Verbytsky** Head of State Department of Veterinary Medicine, Ministry of Agrarian Policy of Ukraine, President of Regional Committee, International Epizootic Bureau on Europe  
**Prof.Dr.Karl-Hans Zessin**, Director of international programs, Free University of Berlin, Germany  
**Prof.Dr. Leo van Leengoed**, Faculty of Veterinary Medicine, Utrecht University, the Netherlands
- Secretary**              **Nelida Rodriguez**, Faculty of Agrarian Sciences, University of Antioquia, Colombia
- 11.30-12.00**            **Prof.Dr.Vitaly Lubetsky**, Dean of Faculty of Veterinary Medicine, National Agricultural University, Ukraine  
***“Improvement of training system of specialist on veterinary medicine according to the world requirements”***
- 12.00-12.30**            **Prof.Dr. Leo van Leengoed**, Associate Professor, Faculty of Veterinary Medicine, Utrecht University, the Netherlands  
***“Globalization and integration of curricula for Master in Veterinary Medicine”***

- 12.30-13.00 **Prof.Dr.Karl-Hans Zessin**, Director of international programs, Free University of Berlin, Germany  
*“Collaboration between Free University of Berlin with Veterinary Medicine faculties of Ukraine within framework TEMPUS/TACIS project”*
- 13.00-13.30 **Johan Hissink**, director of international programme for practical training of students PTC+  
*“Experience of practical training of students on basis of training center PTC”, Barneveld, the Netherlands”*
- Working group: **Food Sciences, Quality, Standardization and Certification**  
*“CONTEMPORARY ASPECTS OF SPECIALISTS TRAINING FOR FOOD SCIENCE, STANDARDIZATION AND CERTIFICATION”*
- Location: *building #12, lecture hall 404 D*
- Chair **Prof.Dr.Michael Moody**, Head of the Department of Food Science, Louisiana State University, Agricultural Center, Baton Rouge, Louisiana, USA
- Co-chair **Dr.Sergiy Melnychuk**, Dean of Faculty of Quality and Safety of Agricultural Industry Complex Products, National Agricultural University, Ukraine
- Secretary **Yuriy Zvazhenko**, National Agricultural University, Ukraine
- 11.30-11.50 **Dr.Sergiy Melnychuk**, Dean of Faculty of Quality and Safety of Agricultural Industry Complex Products, National Agricultural University, Ukraine  
*“Importance of Specialist Training on Food Science, Quality, Standardization and Certification”*
- 11.50-12.10 **Dr.Witton Prinyawiwatkul**, Associate Professor Department of Food Science Louisiana State University Agricultural Center Baton Rouge, Louisiana, USA  
*“Critical Elements for Successful Food Science Students”*
- 12.10-12.30 **Dr. Isabelle Seiller**, Ecole Nationale de Formation Agronomia, France  
*“The agrofoodchain: innovations for a sustainable agriculture and betters products”*
- 12.30-12.50 **Dr.Petro Kalyta**, President of Ukrainian Quality Association  
*“Education in quality sphere and quality in education (International experience and achievements in Ukraine)”*
- 12.50-13.10 **Dr. Joan King**, Associate Professor Department of Food Science Louisiana State University Agricultural Center Baton Rouge, Louisiana, USA  
*“Food Science Student Educational Standards “*
- 13.10-13.30 **Dr.Gennadiy Palshin**, Director of Ukrainian Branch of World Laboratory  
*“Training is one of the key factor of success of HACCP implementation on food industries”.*

13.30-15.0	Lunch
15.00-17.00	<i>Third session</i>
15.00-16.00	<i>Visit to Institute of Veterinary Medicine, Quality and Safety of Agricultural Industry Complex Products Departments</i>
16.00-17.00	Roundtable

**Participants:** **leaders, chairs of working groups, speakers of plenary and posters session and:**  
**Gennadiy Palshin** director Ukrainian branch World Laboratory, Ukraine  
**Harun Kipge** director of company “Coruna”, Turkey  
**Viktoriya Lokhanska** senior researcher of Laboratory of quality and safety of agricultural products, National Agricultural University of Ukraine  
**Prof. Dr. Simeon Achinewhu** department of Food Science and Technology Rivers State University of Science and Technology, Nigeria  
**Academician of Ukrainian academy of agrarian science, Prof. Dr. Grygoriy Khmelnytsky** director SRI veterinary medicine, quality and safety of agricultural products, National Agricultural University of Ukraine  
**Member of Ukrainian academy of agrarian science, Prof. Dr. Valentine Yablonsky** director TSC noncontiguous diseases, National Agricultural University of Ukraine  
**Prof. Dr. Volodymyr Skibytsky** director TSC contiguous diseases, National Agricultural University of Ukraine  
**Prof. Dr. Olga Yakubchak** head of department of veterinary sanitary expertise and hygiene of livestock product processing, National Agricultural University of Ukraine  
**Academician of Ukrainian academy of agrarian science, Prof. Dr. Volodymyr Vlasenko** rector of Bila Tserkva state agricultural university  
**Academician of Ukrainian academy of agrarian science, Prof. Dr. Roman Kravtsov** rector of Lviv national academy of veterinary medicine named after S.Z. Gzhytsky  
**Member of Ukrainian academy of agrarian science, Prof. Dr. Valeriy Golovko** rector of Kharkiv state zooveterinary academy  
**Member of Ukrainian academy of agrarian science Anatoliy Obrazhey** director of institute of veterinary medicine of UAAS, Kyiv  
**Member of Ukrainian academy of agrarian science Borys Stegnyy** director of institute clinical and experimental veterinary medicine  
**Member of Ukrainian academy of agrarian science Anatoliy Golovko** director of scientific and control institute of biotechnology and stamS, Kyiv  
**Member of Ukrainian academy of agrarian science Mykola Mandugra** director of institute of epizootology UAAS, Rivne  
**Member of Ukrainian academy of agrarian science Mykhailo Kosenko** director scientific and control institute of feed additives and biological medicines, Lviv  
**Volodymyr Gorgeev** first deputy of Head of State Department of Veterinary Medicine  
**Dr. Ivan Biben** dean of faculty of veterinary medicine Dnipropetrovsk state agricultural university  
**Prof. Dr. Grygoriy Kalynovsky** dean of faculty of veterinary medicine state agriecological university Zhytomir

**Dr. Galyna Lukashik** dean of faculty of veterinary medicine Crimean state agricultural university  
**Dr. Anatoliy Rudenko** dean of faculty of veterinary medicine Lugansk state agricultural university  
**Prof. Dr. Mykhailo Kozak** dean of faculty of veterinary medicine Lvyv state academy of veterinary medicine named after S.Z.Gzhytsky  
**Dr. Pavlo Shatokhin** dean of faculty of veterinary medicine Poltava state agrarian academy  
**Dr. Olexandr Mytrophanov** dean of faculty of veterinary medicine Kharkyv state zooveterinary academy  
**Dr. Eugen Stanishevsky** dean of faculty of veterinary medicine Odessa state agricultural university  
**Dr. Olexandr Kovalenko** dean of faculty of veterinary medicine Sumy national agricultural university  
**Prof. Dr. Mykhailo Rublenko** dean of faculty of veterinary medicine Bila Tserkva state agricultural university  
**Dr. Ivan Malenky** dean of faculty of veterinary medicine Podilska state agrotechnical academy  
**Dr.Sergiy Aranchiy** head of veterinary medicine service Poltava oblast administration  
**Dr.Mykola Ayshpur** head of veterinary medicine service Khmelnytsky oblast administration  
**Petro Onischenko** head of veterinary medicine service Kyiv oblast administration

16.30 – 17.00	<i>Discussion on Final Decision and GCHERA Conference Statement</i>
17.00-18.00	Dinner
18.00	Cultural program



## NATURAL RESOURCES, LAND MANAGEMENT AND AGRARIAN LAW

*Location: National Agricultural University of Ukraine, Vasyl'kivs'ka st., 17, Building 6, Room 222*

### **Leaders:**

**Prof. Dr. Adriano Ciani**, University of Perugia, Italy  
**Prof. Dr. Anatoliy Danylenko**, Head of the State Land Committee of Ukraine.  
**Prof. Dr. Dmytro Dobryak**, correspondent member of the UAAS, director of the Institute of Land Management, Ukraine.

### **Secretariat:**

**Dr. Svitlana Kokhan**, Head of the Department of GIS and Technologies, NAUU, Ukraine  
Tel.: +38 044 2580525, E-mail: [s\\_kokhan@ukr.net](mailto:s_kokhan@ukr.net)

## **AGENDA**

- Chairmen:** **Prof. Dr. Anatoliy Danylenko**, Head of the State Land Committee of Ukraine  
**Dr. Walter H. Mayer**, Director PROGIS Software AG, Austria
- Secretary:** **Senior teacher Alla Achasova**, NAUU, Ukraine.
- 9.00-9.30** *Opening of the session work and greetings:*  
**Prof. Dr. Anatoliy Danylenko**, Head of the State Land Committee of Ukraine
- 9.30 – 11.00** *First Session*  
**9.30-9.50** **Dr. Walter H. Mayer**, Director PROGIS Software AG, Austria  
*- Integrated Agricultural Software in Order to Fulfill also Traceability*
- 9.50-10.10** **Prof. Dr. Dmytro Dobryak**, correspondent member of the UAAS, director of the Institute of Land Management, Ukraine.  
*- Targets of the Land Management Science at Present Stage*
- 10.10-10.30** **Prof. Dr. Sergiy Bulygin**, correspondent member of UAAS, Head of the department of Nature Resources Conservation, NAUU, Ukraine.  
*- Ecologic Expertise of Land Management Decisions: Erosion and Hydrological Aspects*
- 10.30-11.00** **Dr. Volodymyr Nosyk**, Taras Shevchenko Kyiv National University, Ukraine.  
*-Juridical Support of Land Reform in Ukraine*
- 11.00-11.30** **Coffee-break**
- Second Session*
- Chairmen:** **Prof. Dr. Adriano Ciani**, University of Perugia, Italy  
**Prof. Dr. Sergiy Volkov**, rector of the State University of Land Management, Russia.
- Secretary:** **Dr. Svitlana Kokhan**, NAUU, Ukraine  
**11.30-11.50** **Prof. Dr. Adriano Ciani**, University of Perugia, Italy  
*- The Water Scarcity and the Use in Agricultural Activity*

- 11.50-12.10 **Prof. Dr. Sergiy Volkov**, rector of the State University of Land Management, Russia.  
- *Features of Specialists' Training in Land Management Under Conditions of Transition to Market Economics*
- 12.10-12.30 **Dr. Mykola Kharytonov**, Dnipropetrovs'k State Agricultural University, Ukraine  
- *Agroecological Prerequisites to Provide Sustainable Crop Yield Within Steppe Landscape*
- 12.30-12.50 **Prof. Dr. Mykhaylo Shulga**, Kharkiv Juridical Academy, Ukraine.  
- *Training-Tutorial Issues of Providing of Land Law Teaching in Agricultural Institutions of Ukraine*
- 12.50-13.00 **Mr. Olexandr Melnyk**, "Arkada", Kyiv, Ukraine.  
- *Infrastructure and Land Management of Agricultural Enterprises Based on Internet*
- 13.00-13.20 **PhD student Alina Lizunova**, Kyiv National University of Building and Architecture, Ukraine.  
- *Mechanical and Market Approaches to Forming of Law Legislation: Ukraine and Sweden*
- 13.20-13.30 *Discussion*
- 13.30-14.30 *Lunch*
- 14.30-15.30 *Presentation of Departments, Poster Session*  
14.30-15.00 *Poster Session (room 223)*
- 15.00-15.30 *Presentation of Departments*  
15.30-17.30 *Round Table*
- Chairmen:** **Prof. Dr. Anton Tretyak**, Vice-President of UAAS, Head of the department of Land-Designing, NAUU, Ukraine  
**Prof. Dr. Yingxu Chen**, China
- Secretary:** **Dr. Valentyna Stakhnevych**, NAUU, Ukraine  
15.30-15.45 **Dr. Bogdan Novak**, NAUU, Ukraine.  
- *Land management Disciplines in Ukraine – Conditions and Perspectives of Development*
- 15.45-16.00 **Dr. Petro Luzan**, NAUU, Ukraine.  
- *Priority in the content of Ecological training in General Educational and Agrarian Institutions*
- 16.00-16.15 **Dr. Svitlana Kokhan**, NAUU, Ukraine.  
- *Development and Implementation of Courses "Remote Sensing" and "Geographical Information Systems" in NAUU*
- 16.15-16.30 **Dr. Olexandr Lozovyi**, Kharkiv National Agricultural University, Ukraine.  
- *Level of Education for Specialty "Land Management and Cadastre"*

- 16.30-16.45 **Prof. Dr. Grygoriy Bystrov**, Moscow Juridical Academy, Russia
- 16.45-17.30 **Roundtable**  
*- Ecological and Juridical Support of Working Curricula and Academic Programs for Agrarian Specialists Training*
- Chairman:** **Prof. Dr. Anatoliy Danylenko**, Head of the State Land Committee of Ukraine
- Co-Chairmen:** **Prof. Dr. Adriano Ciani**, University of Perugia, Italy  
**Prof. Dr. Yingxu Chen**, China
- Participants:** **Prof. Dr. S. Kannaiyan**, India  
**Mr. Atembe Roland**, Cameroon  
**Dr. Vasyl' Balakirs'kiy**, Ukraine  
**Prof. Dr. Grygoriy Bystrov**, Russia  
**Prof. Dr. Antonina Bobkova**, Ukraine  
**Prof. Dr. Sergiy Bulygin**, Ukraine  
**Dr. Sergiy Burlaka**, Ukraine  
**Dr. Olena Vlasova**, Ukraine  
**Prof. Dr. Sergiy Volkov**, Russia  
**Dr. Mykola Volodin**, Ukraine  
**Dr. Ivan Gora**, Ukraine  
**Prof. Dr. Dmytro Dobryak**, Ukraine  
**Prof. Dr. Anatoliy Dyomin**, Ukraine  
**Dr. Dmytro Kapush**, Ukraine  
**Dr. Volodymyr Kurylo**, Ukraine  
**Dr. Olexandr Lozoviy**, Ukraine  
**Dr. Petro Luzan**, Ukraine  
**Dr. Oleg Mykula**, Ukraine  
**Mr. Olexandr Melnyk**, Ukraine  
**Dr. Bogdan Novak**, Ukraine  
**Dr. Volodymyr Nosyk**, Ukraine  
**Mr. Yevgen Seredinin**, Ukraine  
**Dr. Viktor Slyusarenko**, Ukraine  
**Prof. Dr. Anatoliy Stativka**, Ukraine  
**Dr. Mykhaylo Stupen'**, Ukraine  
**Prof. Dr. Anton Tretyak**, Ukraine  
**Dr. Mykola Kharytonov**, Ukraine  
**Prof. Dr. Mykola Yakymtchuk**, Ukraine  
**Prof. Dr. Vasyl' Yantchuk**, Ukraine
- 17.30-17.45 **Discussion on Final Decision and proposals for the GCHERA Conference Statement**
- 18.00 Cultural program, tour to vil. of Karapyshi

**FUNDAMENTAL NATURAL AND SOCIAL SCIENCES IN HIGHER AGRICULTURAL EDUCATION; STUDENTS' LEADERSHIP, INTERNATIONAL STUDENT ORGANIZATIONS AND NETWORK**

*Location: building 3, room 33, Heroyiv Oborony Street, 15, Kyiv*

*Tel: + 38 044 2678099;*

*E-mail: natural\_nni\_director@twin.nauu.kiev.ua*

**Leaders:** Prof., Dr. **Uwe Jens Nagel**, Department of Social Sciences and Extension Education, Humboldt University, Berlin, Germany  
Prof., Dr. **Volodymyr Kopilevych**, director of Natural-Humanitarian Institute, NAU, Kyiv, Ukraine

**Secretariat:** Dr. **Vadym Tkachuk**, department of foreign relations, NAU, Kyiv, Ukraine  
Dr. **Anatoly Oliynyk**, NAU, Kyiv, Ukraine  
Dr. **Lyubov Khomenko**, NAU, Kyiv, Ukraine

**AGENDA**

**9.00 – 9.20**

9.00 - 9.05

**Opening**

Prof., Dr. **Vitaly Lysenko**, vice-rector for teaching and educational work, NAU, Kyiv, Ukraine

*Open section, agenda*

9.05 - 9.15

Prof., Dr., academician **Victor Andruschenko**, director of the Institute of the Higher Education of the APS of Ukraine

Dr. **Tetyana Ischenko**, the Director of Scientific and Methodics Center of the Agricultural Education, Kyiv, Ukraine.

*Greeting*

9.15 - 9.20

Professor, Dr. **Volodymyr Kopilevych**, director of the Natural-Humanitarian Institute, NAU, Kyiv, Ukraine.

*Introduction of the section members*

**9.20 – 11.00**

***First session: “Contemporary scientific achievements as the result of the fundamental natural-humanitarian education”***

**Chairmen:**

Prof. Dr. **Uwe Jens Nagel**, Department of Social Sciences and Extension Education, College of Agriculture and Horticulture, Humboldt University of Berlin

Prof., Dr. **V.A. Kopilevych**, the director of the Natural-Humanitarian Institute, NAU, Kyiv.

**Secretariat:**

Dr. **Anatoly Oliynyk**, NAU, Kyiv, Ukraine

Dr. **Lyubov Khomenko**, NAU, Kyiv, Ukraine

9.20 – 9.35

Professor, Dr. **Valentyn Lukyanets**, Institute of Philosophy named after H.S. Skovoroda NAS of Ukraine, Kyiv, Ukraine. *Nanotechnologies in scientific researches and their influence on the reforms in educational process.*

9.40 – 9.55

Prof., Dr., associate member of NAS **Bohdan Danylyshyn**, Council for the Allocation of Ukraine Productive Forces, Kyiv, Ukraine. *Main trends of forming the national strategy of steady development of Ukraine.*

10.00 – 10.15

Prof., Dr. **Yuriy Posudin**, the head of the department chair of Biophysics, NAU, Kyiv, Ukraine.

*Fundamental sciences as the basis for the development of the natural-scientific, humanitarian and philological component of the teaching program for the specialists in agriculture.*

10.20 – 10.30

Dr. **Maksym Melnichuk**, the dean of the Plant Protection Faculty, NAU, Kyiv, Ukraine.

Prof., Dr. **Atanas Atanasov**, AS of Bulgaria, Sofia, Bulgaria.

*Biological training for the development of modern biotechnologies.*

10.45-11.00	<i>Floor Discussion</i> <b>Prof. Dr. Vladimir M. Bautin</b> , Rector, Moscow Agricultural Timiryazew Academy, Russia <b>Prof. Dr. Ruperto Sangalang</b> , President, Cavite State University, Philippines
11.00 – 11.30	<b>Coffee break</b>
11.30 – 13.00	<i>Second session</i>
<b>Chairmen:</b>	<b>Prof. Dr. Jiaan Cheng</b> , Vice President of Zhejiang University, China President-Elect, GCHERA <b>Prof. Dr. Mykhaylo Zubets</b> , President Ukrainian Academy of Agricultural Science, Ukraine <b>Prof. Dr. Ruperto Sangalang</b> , President, Cavite State University, Philippines
<b>Secretary</b>	<b>Zoya Komirenko</b> , National Agricultural University, Ukraine
11.30 – 12.00	<b>Prof. Dr. Vladimir I. Trukhachev</b> , Rector, Stavropol State Agrarian University, Russia <i>Experience, challenges and perspectives in the integration of education, research and extension in the system of higher education</i>
12.00 – 12.30	<b>Prof. Dr. Pai-Po Lee</b> , Assistant Secretary General, International Cooperation and Development Funds, Taiwan <i>International Agricultural Cooperation – Technology Transfer and Human Resource Development</i>
12.30 – 13.00	<b>Assoc. Prof. Dr. Robert Mulley</b> , Head, School of Environment and Agriculture, University of Western Sydney-Hawkesbury, Australia <i>Learning Through Exchange – Agriculture, Food Systems and Environment: new Australian – European Program</i>  <b>Prof. Dr. Luo Shiming</b> , President, South China Agriculture University, China
13.00 – 14.30	Lunch
14.30 – 16.00	<i>Third Session</i>
<b>Chairmen:</b>	<b>Dr. Anton Mangstl</b> , Director, Library and Documentation Systems Division, FAO UNO <b>Assoc. Prof. Dr. Robert Mulley</b> , Head, School of Environment and Agriculture, University of Western Sydney-Hawkesbury, Australia
14.30 – 14.50	<b>Dr. Ivan Krivoruchko</b> , Opened joint-stock company "Agropromsystema", Ukraine <i>The organization of information support agricultural manufacturer with using web-technologies</i>

- 14.50 – 15.10 **Dr. Evgeniy Lavrov**, Vice-rector of Sumy National Agricultural University, Sumy, Ukraine  
*Information technology in managing educational process in University*
- 15.10 – 15.30 *Creating electronic educational textbooks and databases for agricultural distance education and consultation*  
**Dr. Mihaylo Shvydenko**, Head of Department of Information Technology in Management NAU, Ukraine
- 15.30 – 16.30 **Roundtable**
- Participants:**
- Chairmen, secretaries and speakers of previous sessions, and**
- Prof. Dr. Peteris Busmanis**, Rector, Latvia University of Agriculture, Latvia  
**Prof. Dr. Chjan Dzyun-Fen**, Peking Scientific and Research Institute of Agricultural Information  
**Tatyana Deribon**, Ukrainian Institute of science, technical and economic information  
**Evgeniy Kramchaninov**, Central Agricultural Library, Russia  
**Prof. Dr. Omer Ibrahim Kurdi**, Vice-Chancellor of University of Gadarif, Sudan  
**Maksym Mokriev**, National Agricultural University, Ukraine  
**Prof. Dr. James Mortensen**, Associate Dean for Undergraduate Education, College of Agricultural Sciences, Penn State University, USA  
**Dr. Anatoly Tmanov**, Assistant Director for International Programs, Penn State University, USA  
**Dr. Ricardo A. Wagan**, President, Laguna State Polytechnic College, Philippines  
**Vladimir I. Zabolotny**, Director, International Association “Agroobrazovanie”
- 16.30 – 17.00 *Discussion on Final Decision and GCHERA Conference Statement*
- 17.30 Dinner
- 19.00 Cultural program

***CONTINUATION OF THE SECTION'S MEETING***

**“The social-humanitarian, natural and cultural sciences’ components in the sphere of higher agricultural education and the students’ leadership”.**

*The place: Nizhyn Agrotechnical Institute of NAU  
The town of Nizhyn, Ukraine*

**The general schedule for 24.09.2003:**

- 14.00 Departure to Nizhyn
- 16.30 – 18.00 The meeting: “Realizing the level system of specialists’ training and the students’ leadership”**
- Chair:** Dr. **Vasyl Lukach**, rector of Nizhyn Agricultural Institute of NAU, Nizhyn, Ukraine  
Prof. Dr. **Vitaly Lysenko**, vice-rector for teaching and educational work, NAU, Kyiv, Ukraine
- Secretaries:** Dr. **Anatoly Oliynyk**, NAU, Kyiv, Ukraine  
Dr. **Lyubov Khomenko**, NAU, Kyiv, Ukraine
- 16.30 – 17.30 Dr. **Vasyl Lukach**, rector of Nizhyn Agricultural Institute of NAU, Nizhyn, Ukraine  
*The level system of specialists’ training in action and the students’ organizations*
- 17.30 – 18.00 Dr. **Vadym Tkachuk**, department of foreign relations  
*The international students’ organizations and systems of international exchange*
- 18.30 **Dinner**

## **AGRICULTURAL EXTENSION/OUTREACH AND CONTINUING EDUCATION**

*Location: National Agricultural University of Ukraine, Heroyiv Oborony st. 15, Building 3, Conference Room*

**Leaders:** **Prof., Dr. Stanley R. Johnson**, Vice Provost for Extension, Iowa State University, USA

**Prof., Dr. James Phelan**, Department of Agribusiness, Extension and Rural Development the National University of Ireland, Dublin, Ireland

**Prof., Dr. David G. Acker**, Department of Agricultural Education and Studies, Collage of Agricultural Iowa State University, Ames, Iowa, USA

**Secretariat:** **Prof., Dr. Mykhaylo Kropivko**, Extension Department, National Agricultural University of Ukraine, Ukraine

**Prof., Dr. Eugeny Busovsky**, Provost, Institute of Post Graduate Education of National Agricultural University of Ukraine, Ukraine

**Prof., Dr. Tetyana Kalna-Dubinyuk**, Head of Extension Department, National Agricultural University of Ukraine, Ukraine

### **AGENDA**

9.00 – 9.15 *Welcome greetings and opening ceremony of the session:*

**Prof., Dr. Stanley R. Johnson**, Vice Provost for Extension Iowa State University, USA

**Ivan Tomych**, Member of the Parliament, Head of the Committee for Agricultural Policy and Licensee Parliament of Ukraine, President Association of Farmers and Landowners of Ukraine

9.15 – 9.30 *Tasks and objectives of the session*

**Professor, Dr. Tetyana Kalna-Dubinyuk**, Head Extension Department, National Agricultural University of Ukraine, Ukraine

9.30 – 11.20 *First session*

**Chairmen:** **Prof., Dr. Stanley R. Johnson**, Vice Provost for Extension Iowa State University, USA

**Prof., Dr. Eugeny Busovsky**, Provost, Institute of Post Graduate Education of National Agricultural University of Ukraine, Ukraine

**Secretary:** **Prof., Dr. Tetyana Kalna-Dubinyuk**, Head of Extension Department, National Agricultural University of Ukraine, Ukraine

*Development Extension Education and Extension Service Worldwide*

9.30 - 9.40 **Prof., Dr. Stanley R. Johnson**, Vice Provost for Extension Iowa State University, USA International Extension Education Collaboration

9.40 – 9.50 **Prof, Dr. James Phelan**, Department of Agribusiness, Extension and Rural Development the National University of Ireland, Dublin, Ireland

*The Role of Agricultural Extension in a Changing Rural Environment: The Irish Experience*



- 9.50 – 10.00 **Larry Broke**, American Director **Grigory Loyanich**, Ukrainian Director  
**Pol Ivanitsky**, Deputy Director, Project funded USAID  
*Particularity of Approaches to Development of Extension System on a Base of Agricultural Universities*
- 10.00- 10.10 **Prof., Dr. Jozef Kania**, Agricultural University of Krakow, Poland, Department of Agricultural Extension  
*The Priority Tasks for Polish Agricultural Extension System in the Context of EU Accession*
- 10.10- 10.20 **Volodymyr Horishko**, Director  
**Sergiy Makarevich**, Specialist, Corporation “Agro-Soyuz”, Ukraine  
*Extension Activity in Corporation “Agro-Soyuz”*
- 10.20- 10.30 **Olga Lysenska**, FARM Program Manager, **Wayne Digby**, Extension Program Manager, Canada-Ukraine FARM Program  
*Effective Use of Partnership in Linking Research, Education, and Extension*
- 10.30- 10.40 **Prof., Dr. William C. Nelson**, Director of the Quentin Burdick Center for Cooperatives, North Dakota State University, Fargo, USA  
*Role of Centers and Institutes in Extension Programs*
- 10.40- 10.50 **Open Discussion on the Topic**
- 10.50- 11.20 **Coffee Break**
- Web-portal demonstration: *Rural Sector of Ukraine*
- 11.20- 13.00 **Second session: Improving Extension Curriculum and Program for Bachelors, Masters, and Ph.D.**
- Chairmen:** **Prof., Dr. David G. Acker**, Department of Agricultural Education and Studies, Collage of Agricultural Iowa State University, USA  
**Dr. Vladimir Makovetsky**, Executive Director, Federal Training Center, Moscow Agricultural Academy named by K.A. Timiryazev, Russia
- Secretary:** **Dr. Victor Proshin**, Deputy Director of Extension Center, Voronezh State Agricultural University, Voronezh, Russia
- 11.20- 11.30 **Prof., Dr. David G. Acker**, Department of Agricultural Education and Studies, Collage of Agricultural Iowa State University, USA  
**Prof., Dr. James I. Grieshop**, Department of Human and Community Development University of California Davis, California, USA  
*Trends in Agricultural and Extension Education: Building New Curricula*
- 11.30- 11.40 **Prof., Dr. Mykhaylo Kropivko**, Extension Department, National Agricultural University of Ukraine, Ukraine  
*Problems and Perspectives of Development Agricultural Extension Service in Countries of Central and Eastern Europe. Level of Knowledge of Students and Extension Specialists*
- 11.40- 11.50 **Prof., Dr. Valeriy Koshelev**, Genelal Director,  
**Dr. Vladimir Makovetsky**, Executive Director, Federal Training Center, Moscow Agricultural Academy named by K.A. Timiryazev, Russia  
*Education System for Agricultural Extension Trainees in Russian Federation*

- 11.50- 12.00 **Mukhaylo Gavrylyuk**, Academician-Secretary, Department of Region Centers  
Research Provision for Agricultural Production of UAAN
- 12.00- 12.10 **Dr. Valentyn. Myronenko**, Deputy Provost for Extension National Agricultural  
University of Ukraine, Ukraine  
*The Role of Agricultural Universities in Extension System of Ukrainy*
- 12.10- 12.20 **Prof., Dr. Leonid Sereda**, Rector, Vinnitsa State Agricultural University, Vinnitsa,  
Ukraine  
*University Model of Extension and its Adaptation in Transition Countries*
- 12.20- 12.30 **Doris Labowski**, President of Pennsylvania Council of Cooperative Extension  
Associations, USD  
*How Volunteers Make a Difference in the Educational System in PA*
- 12.30- 12.40 **Alexander Gerkiya**, Coordinator  
**Tetyana Suhomeilo**, Administrative Secretary, Center for Private Agricultural  
Producers, Cherkasy Oblast, Ukraine  
*Development of Extension Service in Cherkasy Oblast*
- 12.40- 13.00 *Open Discussion on the Topic*
- 13.00- 14.30 *Lunch*
- Poster Presentation**
- 14.30- 16.00 **Third session: Organization Collaboration in Post Graduate Education**
- Chairmen:** **Prof., Dr. James Phelan**, Department of Agribusiness, Extension and Rural  
Development the National University of Ireland, Dublin, Ireland  
**Prof., Dr. Yuriy Naumov**, Provost for Continuig Education of Lugansk State  
University, Lugansk, Ukraine
- Secretary:** **Dr. Mykhaylo Kapshtyk**, Deputy Director, Agricultural Extension Education  
Center, Ukraine
- 14.30- 14.40 **Prof., Dr. Barbara Stone**, Extension Specialist of Texas A&M University, USD  
*Contemporary Tendency in Adult Education*
- 14.40- 14.50 **Prof., Dr. M.Lubyanoy**, Provost, **Dr. Mukola. Lobanov**, Director of Extension  
Center "AGROTAVRIYA", Tavriya State Agrotechnical Academy, Ukraine  
*Experience of Organization Continuing Education and Extension Service in  
Transition Countries*
- 14.50- 15.00 **Prof., Dr. Eugeniy Busovsky**, Provost, Institute of Post Graduate Education of  
National Agricultural University of Ukraine, Ukrainy  
*Components of Post Graduate Education in Ukraine*
- 15.00- 15.10 **Prof., Dr. V.K.Gupta**, Dean Post Graduate Studies, Himachal Pradesh Krishi  
Vishvavidyalaya, India  
*Organization of Post Graduate Studies and Extension Service in India*
- 15.10- 15.20 **Roman Shmidt**, President of the National Extension Association of Ukraine  
*Organization of Public Extension Service in Ukraine*

15.20- 15.30 **Prof., Dr. Yuriy Naumov**, Provost for Adult Education, Lugansk State Agricultural University  
*Adult Education Methodology on Standardization and Certification of Products , Food Safety and Environment*

15.30- 15.40 *Open Discussion on the Topic*

15.40- 16.00 *Coffee Break*

**Poster Presentation:**

**Dr. Hassan Sadighi**, Head Agricultural Extension & Education Department, College of Agriculture, Tarbiat Modarres University, Tehran, Iran  
*Agricultural Extension Organizational Development in Iran: Implication for Sustainable Production*

**Prof., Dr. Robert van Haarlem**, Director, Wageningen University Program for Continuing Education, Wageningen, the Netherlands  
*Opportunities for Programs of Continuing Education Worldwide*

**Dr. Sergiy Chegasov**, Director IPO, Mukolayiv State University, Ukraine  
*Organization of Adult Education on a Base of Region Extension Centers*

**Dr. Mukola Nedviga**, Provost for Adult Education, Uman State Agricultural University  
*Adult Education for Agricultural Industry Complex of Ukraine*

**Dr. Dnytro Yurchuk**, Director, Rivne Oblast Adult Education Center for Agricultural Industry Complex Specialists , Rivno, Ukraine  
*Education for Farmers and Private Owneres*

**Dr. Mukola Dobryansky**, Director, Kherson Oblast Adult Education Center for Agricultural Industry Complex Specialists  
*Computerization in Education*

**Dr. Mukola Nagaynik**, Director, Extension Center of Crimea, Ukraine  
*Extension System of Agricultural Industry Complex Republic Crimea of Ukraine*

**Larisa Kovalenko**, Leading Specialist, Extension Department of the National Agricultural University of Ukraine  
*Extension Service Organization and Methods at the National Agricultural University of Ukraine*

**Prof., Dr. Satish Verma**, Agricultural Center, Louisiana State University, Baton Rouge, USA  
**Vanda Yamkovenko**, Deputy Director, LSU Project  
**Dr. Nataliya Fishchuk**, Deputy Director, LSU Project  
*Extension Education Theory Evaluation in a System of Extension Service of Ukraine*

**Prof., Dr. Anatoliy Tzvigun**, Provost, Institute of Post graduate Education and Extension, Podil State Agricultural and Technical Academy, Ukraine,  
**Dr. Volodymyr Slobodyan**, Teacher- adviser, Farmers Training Center, Chmelnytsk, Ukraine  
*Post Graduate education and Extension – A Way for Adult Education*

**Alexander Gerkiyal**, Coordinator, **Tetyana Suchomeilo**, Administrator-Secretary, Farmers Training Center  
*Extension in Cherkaschyna is working*

**Gennadiy Palshin**, General Director,  
**Dmytro Haustov**, Ukrainian Representation International Center of Science Culture “International Laboratory”, Ukraine  
*Hi-Information Technologies and Extension*

*Corporation “Agro-Soyuz”, Ukraine*

*American Distance Education Consortium, USA – Video Presentation*

**16.00- 17.30 Fourth session: New Technologies in Extension Education**

**Chairmen:** **Prof., Dr. John R. Vreyens**, Director International Agricultural Programs  
University of Minnesota, College of Agricultural, Food, and Environmental  
Sciences, St. Paul, USA  
**Prof., Dr. Mykhaylo Kropivko**, Extension Department, National Agricultural  
University of Ukraine, Ukraine

**Secretary:** **Igor Kravchenko**, Head of Extension Service Administration, Ministry of  
Agricultural Policy of Ukraine, Ukraine

16.00- 16.10 **Prof., Dr. P.S. Shehrawat**, Department of Extension Education, Collage of  
Agriculture, Chaudhary Charan Singh Haryana Agricultural University, Hisar, India  
*Diversification into Agriculture for Future Sustainable and Eco-Friendly  
Environment Development*

16.10- 16.20 **Gennadiy Palshin**, General Director,  
**Dmytro Haustov**, Ukrainian Representation International Center of Science Culture  
“International Laboratory”, Ukraine  
*Hi-Information Technologies and Extension*

16.20- 16.30 **Prof., Dr. Sun Sufen**, Director of Peking Research Institute, China  
**Dr. Guo Jianxin**, Chief of Agricultural Distance Education Center of Peking  
Research Institute, Beijing Academy of Agricultural and Forest Sciences, Peking,  
China  
*The Research and Practical Use of Modern Distance Education Technology for  
Agrotechnical Extending in Beijing Rural Area*

16.30- 16.40 **Prof.,Dr. Tetyana Kalna-Dubinyuk**, Head of Extension Department, National  
Agricultural University of Ukraine, Kyiv, Ukraine  
*Development International Extension Education Institute Through the Internet*

16.40- 16.50 **Dr. Victor Proshin**, Deputy Director of Extension Center, Voronezh State  
Agricultural University, Voronezh, Russia  
**Organization Extension Center of Agricultural University on Agro Marketing  
Base**

16.50- 17.00 **Prof., Dr. Mykhaylo Shvydenko**, Head of Department of Management Information  
Systems, National Agricultural University of Ukraine, Kyiv, Ukraine  
*Development Extension Information Systems for Agro Industry Complex of  
Ukraine through the Web-Technologies*

**17.00- 17.10 Open discussion on the topic**

**17.10 – 17.30** *Close the session: Discussing and Acceptance of the Session Recommendations to be Approved the GCHERA*

**Chairmen:** **Prof., Dr. Stanley R. Johnson**, Vice Provost for Extension, Iowa State University, USA  
**Prof., Dr. James Phelan**, Department of Agribusiness, Extension and Rural Development the National University of Ireland, Dublin, Ireland

**Secretary:** **Prof., Dr. Tetyana Kalna-Dubinyuk**, Head of Extension Department, National Agricultural University of Ukraine, Ukraine

**17.30-19.00** *Cultural Program: Visit to National Architectural Museum Under Open Sky*

**19.00-22.00** *Dinner*

## HIGHER AGRICULTURAL EDUCATION IN TROPICS AND SUBTROPICS

*Location: National Agricultural University room 65, building 3  
Heroiv Oborony str., 15*

**Chairmen:** **Prof. Dr. Joze A. Zaglul**, President, EARTH University, Costa-Rica  
**Prof. Dr. Onuma Okeizie**, Director, International Programs Office,  
Alabama Agricultural and Mechanical University, USA

**Secretary:** **Ass. Prof. Tatyana Steafsnovska**, Department of Crop Protection, National  
Agricultural University, Ukraine

### AGENDA

**9.00-11.00** *First session*

9.00-9.15 *Welcome word*  
**Prof. Dr. Volodymyr Kozachok**, Department Chair of  
Tropical Veterinary, National Agricultural University, Ukraine

9.15-10.05 **Prof. Dr. Joze A. Zaglul** President of Earth University, Costa-  
Rica  
*“Transforming Higher Education in Agriculture and Natural Resources  
Management: Results from the international seminar Series  
Sustainability, Education and the Management of Change in the  
Tropics”*

**10.15-11.15** *Discussion*

**11.15-11.30** *Coffee-break*

11.30-11.50 **Ameha Tamiru**, Ph.D. student, National Agricultural  
University, Ukraine  
*“Tropical Veterinary teaching”*

11.50-12.00 Questions and comments

**12.00-13.00** *Discussion on the topics*

- University Agricultural Education in the Tropics and Subtropics: current state and main trends
- Challenges of agricultural development in Dry Areas: impact of research and education
- Changes in Agricultural Education and revision of courses in Curriculum as respond for global challenges
- Case studies about Higher Agricultural Education in the Tropics and Subtropics

### *Participants:*

**Prof. Chang-Hung, Chou**, President of Pingtung University of Science and  
Technology, Taiwan

**Prof. Mike.Y.K.Guu**, Director of Technology and International Development  
Office, Pingtung University of Science and Technology, Taiwan

**Prof. Adel El-Beltagy**, Director General of International Center for Agricultural  
Research in Dry Areas, Syria

**Dr. V.K. Gupta**, Dean of Postgraduate Studies Programs, Himachae Pradesh  
Agricultural University, India

**Carla Maria Henriques Gutierrez**, Pan-American Agricultural School, Honduras

**Prof. V.F. Galat** , Head of Tropical Veterinary Department National Agricultural  
University, Ukraine

**Prof. V.S. Kozachok**, Department of Tropical Veterinary, National Agricultural  
University, Ukraine

**Saeed Mohammadeh**, Ph.D. Student at the Department of Agricultural Extension  
and Education, Faculty of Agriculture, University of Tehran, Iran

**13.00-14.30**

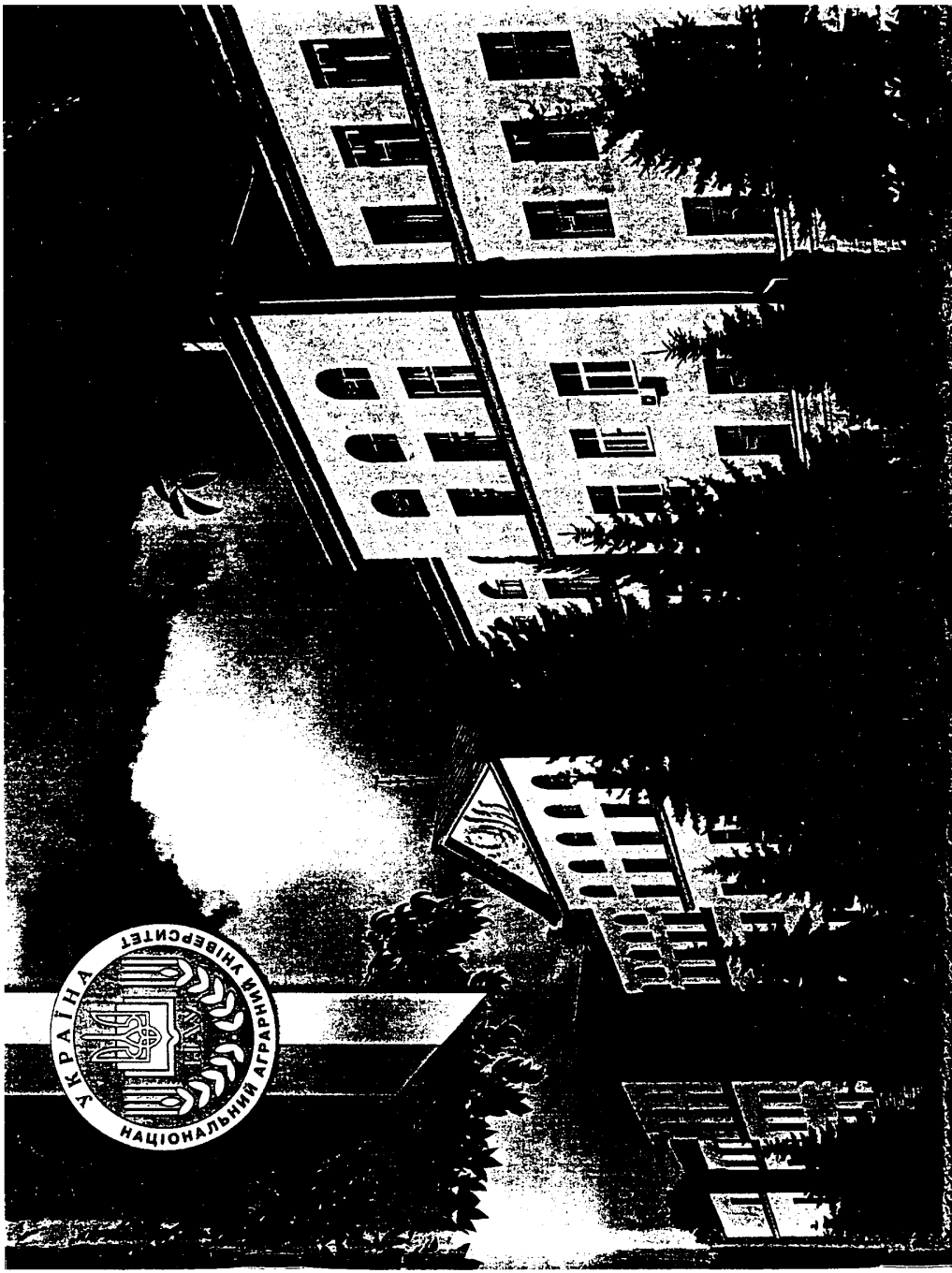
***Lunch***

**14.30-17.00**

**Continuing on program of working group session  
“Agronomy, Biotechnology and Agricultural Ecology”**

National Agricultural University of Ukraine





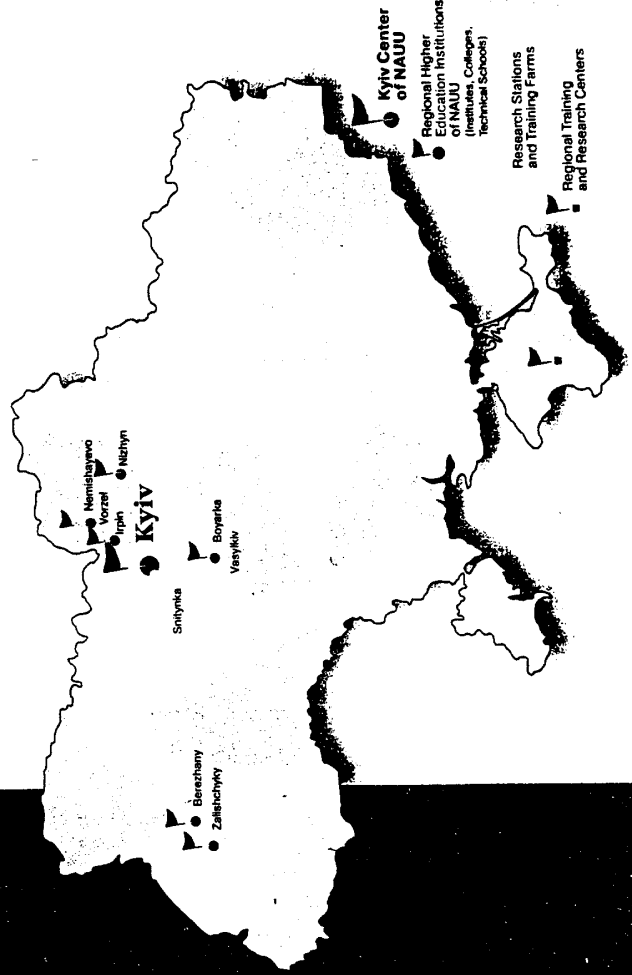
**NATIONAL AGRICULTURAL  
UNIVERSITY OF UKRAINE**

*Dear Friends!*

*It is our pleasure to provide you with the short information about National Agricultural University of Ukraine, one of the leaders in higher agricultural education in the country and well known worldwide.*

*We look forward to welcoming you and setting up new creative cooperation.*

*Sincerely,  
Rector,  
Professor, Academician  
Dmytro Melnychuk*



## HISTORY OF NAUU

*The history of National Agricultural University of Ukraine (NAUU) begins with the Department of Agriculture created within the Kyiv Polytechnic Institute (KPI) structure in 1898 and transformed later on into Agricultural (Agronomy) Faculty (1918). Kyiv Agricultural Institute was founded on the basis of this Faculty in 1922.*

*In 1954, Kyiv Agricultural Institute and Kyiv Forestry Institute (founded in 1840) were jointly integrated into Ukrainian Agricultural Academy (UAA). Kyiv Veterinary Institute (started in 1920 as a Faculty of the KPI) joined the Ukrainian Agricultural Academy in 1957.*

*National Agricultural University of Ukraine was founded on the basis of Ukrainian Agricultural Academy in August 1992. According to the Decree of the Verkhovna Rada (the Parliament) of Ukraine (1994) and the Edict of the President of Ukraine (2000) the University obtained the status of National. Since June 1, 1995, the University has been subordinated directly to the Cabinet of Ministers of Ukraine as autonomous (self-managed) higher educational institution. Besides Kyiv campus, it includes a number of regional institutions shown at the Organizational Chart of NAUU.*



# ORGANIZATIONAL CHART OF NATIONAL AGRICULTURAL UNIVERSITY OF UKRAINE

Kyiv Center		Research Institutes (RI) and Laboratories	Faculties	Education and Research Centers (Departments)
Education and Research Institutes (RI)				
<b>Natural Sciences and Liberal Arts</b>	Problem Research Laboratories	<ul style="list-style-type: none"> <li>• Biotechnology**</li> <li>• Ecology**</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics and Physics</li> <li>• Chemistry</li> <li>• Social Sciences and Humanities</li> <li>• Linguistics</li> </ul>	<ul style="list-style-type: none"> <li>• Faculty of Economics and Business</li> <li>• Faculty of Mechanization in Agriculture</li> <li>• Faculty of Power Engineering and Automation in Agriculture</li> </ul>
<b>Plant Science, Soil Science and Ecology</b>	Agrotechnologies and Plant Products Quality	<ul style="list-style-type: none"> <li>• Agronomy</li> <li>• Ag Chemistry and Soil Science</li> <li>• Plant Protection and Biotechnology</li> <li>• Fruit and Vegetable Science</li> </ul>	<ul style="list-style-type: none"> <li>• Plant Science, Techniques and Technologies*</li> <li>• Plant Biology and Biotechnology</li> <li>• Fruit and Vegetable Science</li> <li>• Phytomedicine and Environment Protection</li> <li>• Ecology*</li> </ul>	<ul style="list-style-type: none"> <li>• Faculty of Economics and Management</li> <li>• Faculty of Mechanization in Agriculture</li> <li>• Faculty of Power Engineering and Automation in Agriculture</li> </ul>
<b>Animal Science and Water Bioresources</b>	Technologies of Animal Products Production	<ul style="list-style-type: none"> <li>• Animal Science</li> <li>• Water Bioresources and Aquaculture</li> </ul>	<ul style="list-style-type: none"> <li>• Animal Science, Techniques and Technologies*</li> <li>• Genetics and Animal Selection</li> <li>• Water Bioresources</li> </ul>	
<b>Veterinary Medicine, Quality and Safety of Agricultural Products</b>	Veterinary Medicine, Quality and Safety of Agricultural Products	<ul style="list-style-type: none"> <li>• Veterinary Medicine</li> <li>• Quality and Safety of Agricultural Products</li> </ul>	<ul style="list-style-type: none"> <li>• Non-Contagious Animals Diseases</li> <li>• Contagious Animals Diseases</li> <li>• Animal Biology, Veterinary Sanitary, Quality and Safety of Agricultural Products</li> </ul>	
<b>Business</b>	Economics and Management of Agroindustry	<ul style="list-style-type: none"> <li>• Economics</li> <li>• Agricultural Management</li> </ul>	<ul style="list-style-type: none"> <li>• Economics and Social Rural Development</li> <li>• Finance, Accounting and Audit</li> <li>• Management, Marketing and Foreign-Economic Activity</li> <li>• Computer Information Technologies</li> </ul>	
<b>Technical</b>	Techniques and Technologies	<ul style="list-style-type: none"> <li>• Mechanization of Agriculture</li> <li>• Electrification and Automation of Agriculture</li> <li>• Construction and Design</li> </ul>	<ul style="list-style-type: none"> <li>• Mechanization of Agricultural Production</li> <li>• Construction and Design of Agricultural Machinery</li> <li>• Power Engineering and Automation in Agricultural Production</li> <li>• Engineering Mechanics</li> <li>• Tech Service, Standardization, Certification and Testing of Agricultural Machinery and Equipment*</li> </ul>	
<b>Forestry and Park Gardening</b>	Forestry and Decorative Horticulture	<ul style="list-style-type: none"> <li>• Forestry</li> <li>• Park Gardening and Landscape Architecture</li> </ul>	<ul style="list-style-type: none"> <li>• Forestry</li> <li>• Forest Use Planning and Management</li> <li>• Decorative Horticulture and Landscape Architecture</li> </ul>	
<b>Land Resources, Law and Social Pedagogy</b>	Land Resources and Agricultural Law**	<ul style="list-style-type: none"> <li>• Land Management</li> <li>• Social Pedagogy</li> <li>• Law</li> </ul>	<ul style="list-style-type: none"> <li>• Natural Resources Protection*</li> <li>• Agricultural Law</li> <li>• Social Pedagogy</li> </ul>	
<b>Military Training Faculty</b>				
<b>Institute of Continuing Education</b>				

\*Departments with interinstitutional status, \*\* Under development

## Regional Higher Educational Institutions and Centers

**Berezhany Ag Technical Institute**

- Faculty of Economics and Business
- Faculty of Mechanization in Agriculture
- Faculty of Power Engineering and Automation in Agriculture

**Nizhyn Ag Technical Institute**

- Faculty of Economics and Management
- Faculty of Mechanization in Agriculture
- Faculty of Power Engineering and Automation in Agriculture

## Colleges and Technical Schools

**Irpin Economical College**

**Zalishchyky State Agricultural College named after E. Khraplyyy**

**Nemishayevy State Agriculatural College**

**Boyarka Agriculatural Technical School**

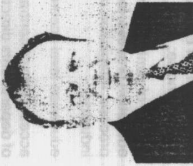
## Center

**Crimean Department of Landscape Architecture, Horticulture, Viticulture and Highland Forestry\*\***

**Research Stations and Training Farms**

- Agronomic research station (Kyiv region)
- Boyarka forestry research station (Kyiv region)
- Training and research farm "Velykosnytske" (Kyiv region)
- Training and research farm "Vorzel" (Kyiv region)
- Training and production integrated enterprise (Kyiv)

## Rector



### **Dmytro O. Melnychuk**

Doctor in Biology, Professor, Academician of the National Academy of Sciences and the Ukrainian Academy of Agricultural Sciences, Honorary Scientist of Ukraine in the field of science and engineering, Laureate of the State Prize of Ukraine in the field of science and engineering, Honorary Professor of Iowa State University (USA), Humboldt University of Berlin (Germany) and Ghent University (Belgium), President (since July 2001) of the Global Consortium of Higher Education and Research for Agriculture

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e-mail: rectorat@nauu.kiev.ua

## Chief Accountant



### **Tetyana P. Kondrytska**

Tel./fax: +38 (044) 267-85-69  
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## Vice-Rector for Administration, Science and Research



### **Ildus I. Ibatullin**

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## Vice-Rector for Campus Welfare



### **Valeriy V. Ishchenko**

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## Vice-Rector, Secretary of Scientific Council

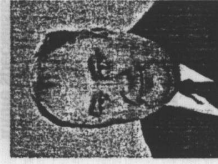


### **Grygoriy I. Podpryatov**

PhD in Agriculture, Professor

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## Vice-Rector for Social Amenities and Research Farms

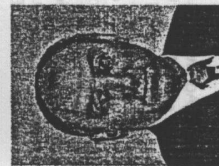


### **Victor A. Tomchuk**

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## Vice-Rector for International Relations



### **Victor P. Kalensky**

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## Vice-Rector for Training and Research Farms



### **Olexandr V. Bereka**

Honorary Economist of Ukraine

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267-81-92  
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## 6. CONCEPTIONS AND OBJECTIVES OF EDUCATIONAL TRAINING

National Agricultural Universities of Ukraine is one of the leading centers of agricultural education, science and culture of Ukraine. More than 18 thousands of students study at its 19 Faculties and 6 Regional Higher Educational Institutions. Educational activities of the University has its fashionable character, it is protected against intervention of political parties, public and religion organizations.

Conception of Educational Activity of NAUU is determined by its status of National Agricultural Higher Educational Institution, the main target of which is further integration into the World Educational System and approval of its international status.

As a higher educational institution of the IV<sup>th</sup> level of accreditation NAUU is eligible for students training according to relevant professional courses and specializations and offers such degrees:

Junior Specialist  
Bachelor  
Specialist  
Master

### Main targets of Educational Activity at NAUU

establishing the conditions for developing of intellect, skills, and propensities of individuals, renewing intellectual potential of the society; forming the students professional knowledge, skills and habits which are required by the state order for Specialist and Master Degree; educating the socially oriented, physically health, prepared for life individuals according to the best traditions of National and World cultures; involving the students into scientific research in the Agriculture and Forestry, solving of socio-economical problems of rural development, implementation of scientific developments into production sphere; training, retraining and refresher courses for scientific staff, experts in agriculture and forestry; developing and publishing books, handbooks and other study and technical materials; disseminating science and technical knowledge and leading experience among professionals involved into Agricultural Economics sector, refreshing of their educational and professional level.

Training process of the University is based on system approach and inter-objective principle of studying in order to develop largeness, non-standard thinking, ability to solve general production, social and economical problems and their correlation.

Instructional process of the University is an inseparable part of educational activities and it provides training of future specialists in the best traditions of National and World culture with consideration of human priorities, development programs for national economy, culture, science, national unity of Ukraine.

Creation of brand new mechanism to interrelate all participants of educational-training process, which is based on principle of mutual interests, individual pedagogical abilities and needs, is one of most important issues of the strategic tasks of higher educational institution.

### Conceptions of Educational Activity at NAUU

availability of Higher Agricultural Education for persons who meet the requirements of professional competition with consideration of actual support for rural youth and suffered from the Chernobyl accident; equal conditions for each student, Master, Postgraduate student, Doctorate with the aim of full realization of their abilities, talents, broad-gauge development of individuals; accessibility of Educational Institution, provision of ability to make a choice; priority of panhuman value, humanism and democracy of education process; logical unity and continuity of studying process, integration of educational activities with science and industry; education level according to the level of world requirements; accessibility of contracts and competitions for vacant positions of departments directors, deans, professors, associate professors and other staff.

### Main targets of training and scientific education in the context of agricultural level education

development of "the expert of 21st century" model and formation of requirements for his level of professional knowledge, ability of self-training, adaptation to work in conditions of market economy and self-development;

creation of science-tutorial complex for every speciality and complexes of disciplines on the basis of leading educational technologies and relevant training-laboratory base;

providing the conditions according to requirements of state license, educational standards;

consideration of content and forms of educational activities in different stages of studies training and their attestation;

analysis of content and pattern of graduates work in order to improving of curricula and organization of educational process;

development of principles and forms for rating-estimation of knowledge, tests for determination of students professional knowledge level, skills and habits;

investigation of new systems of information and computer support of studying process

# AREAS OF STUDY AND SPECIALITIES

National Agricultural University offers training in full time, correspondent and non-residence forms of studying in such specialties as:

Specialty	non-residence Form of studying: full time	Specialty	non-residence Form of studying: full time
Agronomy	•	Automatic Control by Technological Processes and Production	•
Selection and Genetics of Agricultural Crops	•	Management of Organizations	•
Agrochemistry and Soil Science	•	Management of Foreign-Economic Activities	•
Ecology and Environmental Protection	•	Marketing	•
Plant Protection	•	Economical Cybernetics	•
Fruit, Vegetable Science and Viticulture	•	Economics of Enterprise	•
Veterinary Medicine	•	Finances	•
Animal Science	•	Accounting and Audit	•
Water Bioresources and Aquaculture	•	Law	•
Forestry	•	Social Pedagogy	•
Park-Gardening	•	Social Pedagogy re-training for "Specialist" Degree	•
Woodworking Technology	•	Quality, Standardization and Certification for "Specialist" and "Master" Degrees	•
Land Management and Cadastre	•	Administrative Management for "Master" Degree	•
Farm Mechanization	•	State Service for "Master" Degree	•
Professional Training	•		
Agricultural Machinery and Implements	•		
Power Engineering in Agriculture	•		

Specializations in the frames of above-mentioned specialties are presented in the chapter "Education and Research Institutes (ERI)"

Level system of higher education is provided in the National Agricultural University according to the Law of Ukraine "On the Higher Education". This system has some particularities and offers wide possibilities for satisfaction of educational problems of a human, develops flexibility of comprehensive students training and the level of their social protection in conditions of changing needs of economy and labour market. It ensures getting the necessary qualification or its increasing in some way of professional direction or specialty and is based on the relevant educational and professional programmes of studying.

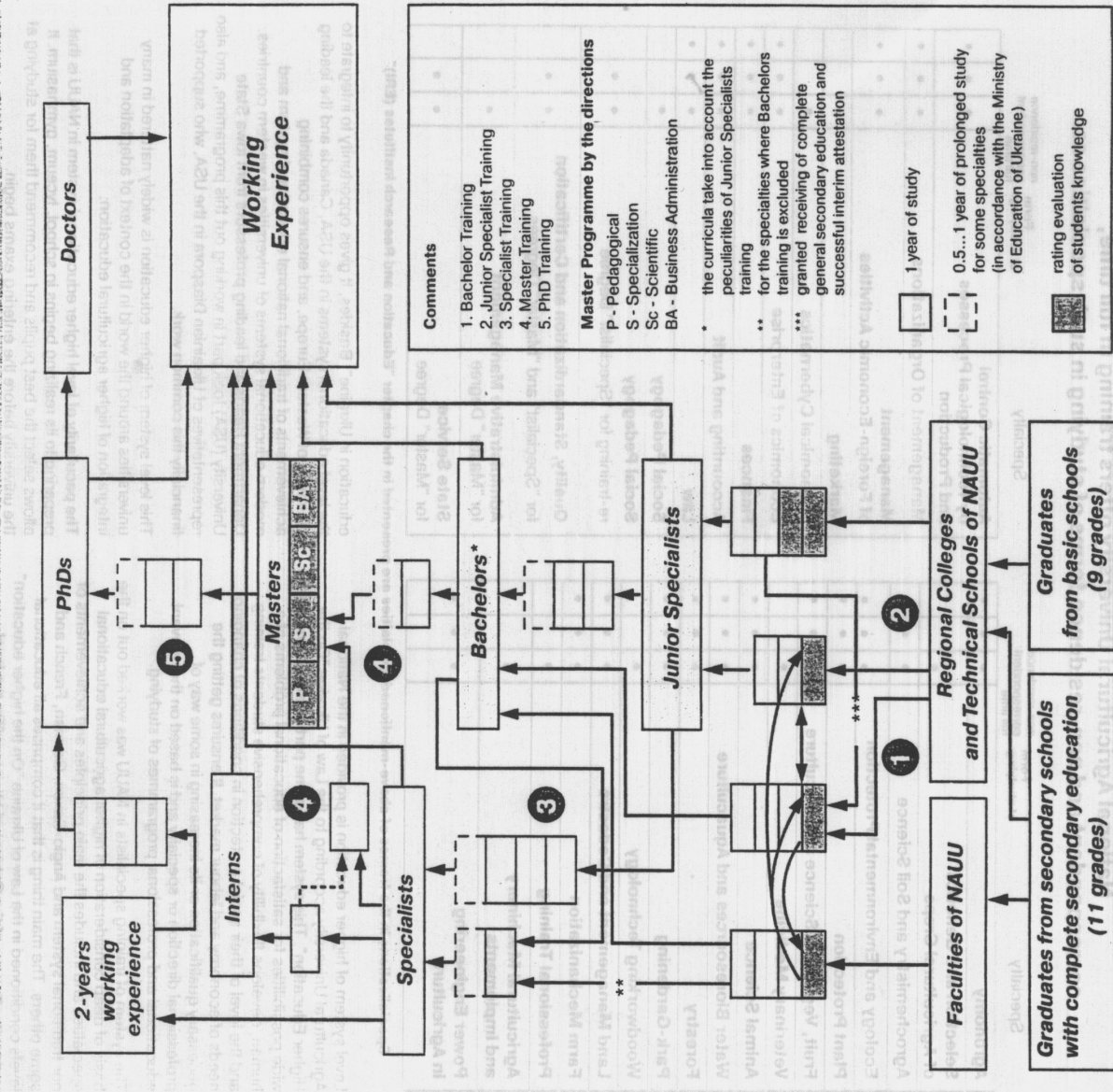
The system of training specialists in NAUU was worked out on the basis of deep consideration of higher agricultural educational specialties and includes the main principles and achievements of our traditional system and Anglo-Saxon, German, French and some others. The main thing is that it comprises all educational levels conditioned in the Law of Ukraine "On the higher education" and by the Decree of the Cabinet of Ministers "On the level

education in Ukraine". Besides, it gives opportunity to integrate to the level educational systems in the USA, Canada and the leading countries of Western Europe, and ensures combining achievements of traditional national educational system and modern educational systems of universities in western countries. Department Heads and leading professors from Iowa State University (USA) took part in working out this programme, and also representatives of Ukrainian Diaspora in the USA, who supported financially this common work.

This level system of higher education is widely nattered in many universities around the world in the context of adaptation and integration of higher agricultural education.

The peculiarity of level higher educational system in NAUU is that preparing to its realizing begins in school, lyceum, gymnasium. It allows select the best pupils and recommend them for studying at the university before the entering exams begin.

# SCHEME OF LEVELS OF EDUCATION IN NAU





## MASTERS DEGREE PROGRAMS

Master Degree - is a grade of higher educational system, which allows to train highly-qualified specialists in the sphere of science and practice and to content more effectively individual needs of personalities. The main target of these programs is training the experts for scientific-research, scientific-educational and administrative activities. Master Programmes give an opportunity

of realizing the authorial master programs; studying by the individual plan; publishing the results of research conducted; forming the relevant analytical thinking of the students and skills of scientific-research and administrative activities.

Master programmes at the University offer 22 specialties and 40 specialization.

Specialty	Specialization
<b>Automatic Control by Technological Processes and Production</b>	<ul style="list-style-type: none"> <li>Automatic Control by Technological Processes and Production</li> </ul>
<b>Agronomy</b>	<ul style="list-style-type: none"> <li>General Agriculture</li> <li>Plant Science</li> <li>Feed Production</li> <li>Selection and Seed Growing</li> <li>Plant Products Storage and Processing</li> <li>Biotechnology of Agricultural and Industrial Crops</li> <li>Phytopathology</li> </ul>
<b>Agro Chemistry and Soil Science</b>	<ul style="list-style-type: none"> <li>Agrochemical Service</li> <li>Soil Protection</li> </ul>
<b>Veterinary Medicine</b>	<ul style="list-style-type: none"> <li>Small Animals Diseases</li> <li>Veterinary Pharmacology</li> <li>Tropical Veterinary</li> <li>Laboratory in Veterinary Medicine</li> <li>Vet Sanitary Inspection of Animal Products Quality and Safety</li> <li>Vet Sanitary and Hygiene of Animal Products Processing</li> <li>State Regulation of AIC</li> </ul>
<b>State Service</b>	<ul style="list-style-type: none"> <li>State Regulation of AIC</li> </ul>
<b>Ecology and Environmental Protection</b>	<ul style="list-style-type: none"> <li>Agroecology</li> <li>Environmental Monitoring</li> </ul>
<b>Economics of Enterprise</b>	<ul style="list-style-type: none"> <li>Economics of Small Business</li> <li>Stock-Exchange Activity</li> <li>Economics of Farms</li> </ul>
<b>Economic Cybernetics</b>	<ul style="list-style-type: none"> <li>Informational Systems in Management</li> <li>Management of Informational Activity</li> </ul>
<b>Power Engineering in Agricultural Production</b>	<ul style="list-style-type: none"> <li>Automation of Production Processes</li> <li>Power Engineering in Production Processes</li> <li>Electricity Supply for Agriculture</li> </ul>
<b>Plant Protection</b>	<ul style="list-style-type: none"> <li>Biological Plant Protection</li> <li>Phytopathology</li> <li>Herbology</li> <li>Biotechnology</li> </ul>
<b>Land Management and Cadastre</b>	<ul style="list-style-type: none"> <li>Land Management and Cadastre</li> <li>Natural Resources Protection</li> <li>Geoinformational Systems</li> <li>Management of Land Resources</li> </ul>

Specialty	Specialization
<b>Animal Science</b>	<ul style="list-style-type: none"> <li>Bee-Keeping</li> <li>Cinology</li> <li>Horse Breeding</li> <li>Livestock Breeding</li> <li>Poultry</li> <li>Fishery</li> <li>Technologies of Animal Products Production and Processing</li> </ul>
<b>Engineering Mechanics</b>	<ul style="list-style-type: none"> <li>Engineering Management</li> </ul>
<b>Forestry</b>	<ul style="list-style-type: none"> <li>Forestry</li> <li>Forest Resources Organization and Management</li> <li>Forest Protection</li> <li>Hunting</li> <li>Forest Melioration</li> <li>Forest Management</li> <li>Forest Regeneration and Reproduction</li> <li>Management of Foreign Economic Activity in the branches of AIC</li> </ul>
<b>Management of Foreign Economic Activity</b>	<ul style="list-style-type: none"> <li>Management of Foreign Economic Activity in the branches of AIC</li> </ul>
<b>Management of Organizations</b>	<ul style="list-style-type: none"> <li>Agricultural Management</li> <li>Management of Small Business</li> <li>Administrative Management</li> </ul>
<b>Administration in Agribusiness</b>	<ul style="list-style-type: none"> <li>(The languages of the course are English and German. Scientists from Western Europe countries are delivering the course.)</li> </ul>
<b>Mechanization in Agriculture</b>	<ul style="list-style-type: none"> <li>Mechanization of Plant Growing</li> <li>Mechanization of Animal Production</li> <li>Mechanization of Processing and Storage of Agricultural Products</li> <li>Technical Control and Labor Protection</li> <li>Technical Service</li> </ul>
<b>Accounting and Audit</b>	<ul style="list-style-type: none"> <li>Accounting and Audit in Agricultural Enterprises</li> <li>Accounting and Audit in Budget Institutions and Organizations</li> <li>Accounting and Audit in Banks, Control and Inspection</li> </ul>
<b>Fruit and Vegetable Science and Viticulture</b>	<ul style="list-style-type: none"> <li>Vegetable Production</li> <li>Fruit Production</li> </ul>
<b>Park-Gardening</b>	<ul style="list-style-type: none"> <li>Landscaping Design, Floriculture and Decorative Horticulture</li> </ul>
<b>Finance</b>	<ul style="list-style-type: none"> <li>Funding of Enterprises in AIC Branches</li> <li>Financial Management</li> <li>Insurance Management</li> <li>Taxes and Taxation</li> <li>Government Finance</li> <li>Bank Servicing in AIC</li> </ul>
<b>Quality, Standardization and Certification</b>	<ul style="list-style-type: none"> <li>Management of Quality Standardization and Certification</li> </ul>

# UNIVERSITY OF NAU IN KIEV

Training of scientific and scientific-pedagogical personnel with the highest qualification (PhDs and Doctors) at the University is provided through graduate courses (full time and correspondence forms) and doctorate course. Up to now 1500 Doctor and PhD dissertations were defended. Now more than 450 postgraduates of full time and correspondence studying forms and 20 doctorates study for getting a scientific degree.

59 specialties for Doctor degree and 61 specialties for PhD degree are offered by the University in such scientific spheres: Biology, Veterinary Medicine, History, Economics, Pedagogy, Political Sciences, Agriculture, Sociology, Engineering, Physical-Mathematical Sciences, Philosophy, Chemistry.

The Highest Accreditation Commission of Ukraine adopted 13 Specialized Councils of NAU on defense of PhD and Doctor dissertations.

Code	Scientific sphere, specialty	Code	Scientific sphere, specialty
<b>01</b> 01.01.02	<b>Physic-Mathematical Sciences</b> Differential equations *	06.03.01	Forest Plantations and Phytomelioration
<b>02</b> 02.00.01	<b>Chemistry</b> Inorganic Chemistry	06.03.02	Forest Management and Estimation
<b>03</b> 03.00.01 03.00.04 03.00.05 03.00.10 03.00.12 03.00.13 03.00.15 03.00.16 03.00.20	<b>Biology</b> Radiobiology Biochemistry Botany Ichthyology Plant Physiology * Human and Animal Physiology Genetics Ecology Biotechnology	06.03.03	Silviculture and Forestry
<b>05</b> 05.01.01 05.05.03 05.05.11 05.09.16 05.13.07 05.16.01 05.18.03	<b>Engineering</b> Applied Geometry, Engineering Graphics Thermal Engines Machinery and Implements for Mechanization of Agriculture Electrical Technologies and Equipment in Agriculture Automatization of Technological Processes Ferro-Sciences and Heat Treatment Primary Processing and Storage of Agricultural Products *	<b>07</b> 07.00.01	<b>History</b> History of Ukraine
05.23.17 05.26.01	Constructional Mechanics Labour Protection	<b>08</b> 08.01.01 08.02.03	<b>Economics</b> Economic Theory Organization, Management, Planning and Regulation of Economics
<b>06</b> 06.01.01 06.01.03 06.01.04 06.01.05 06.01.06 06.01.07 06.01.09 06.01.11 06.01.12 06.01.13 06.02.01 06.02.02 06.02.04	<b>Agriculture</b> General Farming Agro Soil Sciences and Agrophysics Agrochemistry Selection and Seed Production Vegetable Science Fruit Science Plant Science Phytopathology Fodder Production and Grassland Herbology Animal Breeding and Selection Animal Feeding and Fodder Technology Technology of Animal Products Production	08.03.02 08.04.01 08.06.01 08.06.04 08.07.02 08.08.01	Economic-Mathematical Modeling Finances, Cash Flows and Credit Economics, Organization and Management of Enterprises Accounting, Analysis and Auditing Economics of Agriculture and AIC Economics of Nature Use and Environmental Protection
		<b>09</b> 09.00.02 09.00.05 09.00.11	<b>Philosophy</b> Dialectics and Cognition Methodologies History of Philosophy Religion Sciences
		<b>12</b> 12.00.06	<b>Jurisprudence</b> Land Law, Agrarian Law, Ecological Law, Law of Natural Resources
		<b>13</b> 13.00.02 13.00.04	<b>Pedagogy</b> Theory and Methodic of Training (in areas of study) Theory and Methodic of Professional Education
		<b>16</b> 16.00.01 16.00.02 16.00.03 16.00.04 16.00.05 16.00.06 16.00.07 16.00.08 16.00.09 16.00.10 16.00.11	<b>Veterinary Medicine</b> Animal Therapy and Diagnostics Animal Pathology, Oncology and Morphology Veterinary Microbiology and Virology Veterinary Pharmacology and Toxicology Veterinary Surgery Animal Hygiene and Veterinary Sanitary Veterinary Midwifery Epizootology and Infection Diseases Veterinary-Sanitary Expertise Entomology (Agricultural) Parasitology and Helminthology

\* not provided for Doctorate Course

The University's faculty body consists of more than 1 100 members. There are 195 (17%) professors and doctors of science and 650 (72 %) candidates of science among them.

### **MAIN RESEARCH OBJECTIVES AND AREAS**

Biologization	Development of new extension systems
Ecologization and environmental protection	Agricultural products processing and storage
Mechanization, electrification, and automation	Rationalization of social development of rural areas
Economics, marketing, management	
Integration into global educational system and production sector	

Among NAUU faculty members there are 38 Academicians and Corresponding Members of the National Academy of Science of Ukraine and Ukrainian Academy of Agricultural Sciences; 23 honored workers of science and technology; 40 honored workers of higher school and education, agriculture, and culture of Ukraine; 16 laureates of state prizes of Ukraine. 27 professors are elected as members of international line and professional academies.

Research and development activities at NAUU are coordinated by Research and Development Department and 6 respective research institutes of the University.

Research conducted by NAUU scholars have made a great contribution into development of agroindustrial complex of our country. They are new high productive varieties and hybrids of crops; breeds, species, and branches of farm animals; environmentally friendly pesticides and insecticides; efficient veterinary medicines; new farm machines; progressive technologies of agricultural products production, processing, and storage, as well as technologies aimed at providing agricultural products quality, safety, certification, and standardization.

400 inventors' certificates and patents, including the ones issued in Russia, which were received in the course of the recent decade, prove high priority of research of University faculty members.

During recent 10 years more than 600 developments of our researchers were introduced into industrial sector.

During the mentioned period National Agricultural University of Ukraine organized and hosted 195 scientific and practical conferences, symposiums, seminars, including 65 international, 44 all-Ukrainian, and 86 university's events.

The scholars of the University have published 184 monographs, 152 courses, and 500 manuals. They have issued 10202 articles in scientific publications.

The University publishes collection of scientific papers "Naukovy visnyk NAUU" and scientific journal "Agrarna nauka i osvita", which are included into list of specialized periodicals of the Higher Attestation Commission of Ukraine (VAK). 60 issues of the collection and 10 issues of the journal have been published to the present.

Jointly with the Institute of Microbiology and Virology after D. K. Zabolotny of the National Academy of Sciences of Ukraine, NAUU publishes "Microbiologichny zhurnal", with joint-stock company "Kyivsilenergo" - scientific and practical journal "Elektryfikatsiya i avtomatyzatsiya silskogo gospodarstva", with State Poultry Veterinary Center and scientific and production association "Ukrptakhprom" - scientific and practical journal "Ptakhivnytstvo".



**Department's goals:**

- To promote training of high-qualified specialists for agricultural production;
- To organize and methodically provide work on introduction of sci-tech developments of NAUU scientists;
- To capture, analyze, systematize and distribute the information on innovation technologies;
- To create a complex system for scientific providing of reorganization and restructuring of agricultural firms with the purpose of their guaranteed development;
- To organize cooperation between science, production, business and government in Ukraine's agriculture;
- To promote non-budgetary revenue ascribable to effective realization of scientific developments and knowledge.

**General organization of sci-tech products introduction**

**NAUU consulting activity**

**Customers**

- Government;
- Consulting services;
- Firms;
- Local authorities.

**Potential customers**

- Governmental institutions;
- Agricultural producers;
- Producers of goods for agriculture;
- Processing enterprises.

**Activities**

- Methodical;
- Educational & Training;
- Informational;
- Consultation;
- Demonstrational.

**Liquid sci-tech products**

- Analysis of state, forecast of development;
- Juridical, normative and tech documentation;
- Goods and products certification;
- Proposals and recommendations;
- Technologies;
- Plant sorts;
- Animal breeds;
- Syllabi.

**Forms of actualization**

- Researches;
- Seminars, Schools, Trainings;
- Consulting services, based on order;
- Thematic exhibitions.

**Ways of Introduction**

- Award;
- Business agreements;
- Diplomas on request.

**Exhibition of NAUU scientific achievements**

**Form of organization**

- Permanent;
- Mobile thematic.

**Main goals**

- Representing of the University;
- Advertisement of working-outs;
- Outreach of new knowledge;
- Bargaining on sci-tech products handover;

**Parts of presentation**

- Research results;
- Scientific schools;
- Plant sorts, animal breeds;
- Fertilizes, preparations and microelements;
- Technologies;
- Machinery, equipment;
- Methodical materials;
- Sci-tech literature;
- Data books;
- Video.

**Methods for getting orders**

- Exhibitions of achievements;
- Advertisement;
- Direct offers.

There was founded a net of subdivisions for accelerating of NAUU scientists' working-outs introduction into production and for satisfying needs of agricultural producers in scientific and educational provision of progressive development of enterprises with different kinds of ownership. Among them are about 50 scientific, research, educational, administrative units and units of paid services. These subdivisions are structured on the base of corresponding Educational and Research Institutes of NAUU. The quality of realized work is provided by the high qualified executors, advanced facilities, wide administrative checking of research results and by products certification.

During 2002 the University provided services for the total amount of more than 2 ml UAH.

Rapid integration of NAUU into the international education and scientific community has pre-conditioned the creation of Information and Computer Communications Office. Later, it became a high-capacity information center (today Education and Information Center of Computer Technologies (EICCT))

**The Center provides technical coordination and consultation in the following areas:**

- wide implementation of Internet- and Intranet-technologies;
- computer hardware service and maintenance;
- administration and maintenance of telecommunication center;
- computerization of education process and teaching modern information technologies;
- domain e-mail accounts' users service;
- creation of internal e-mail service network for documents circulation;
- dial-up access in the Center's office;
- development and support of local network;
- design, support and regular update of NAUU web-site in Ukrainian and English languages;
- design and hosting of web-sites;
- media-production (presentations, videos and audio recording).

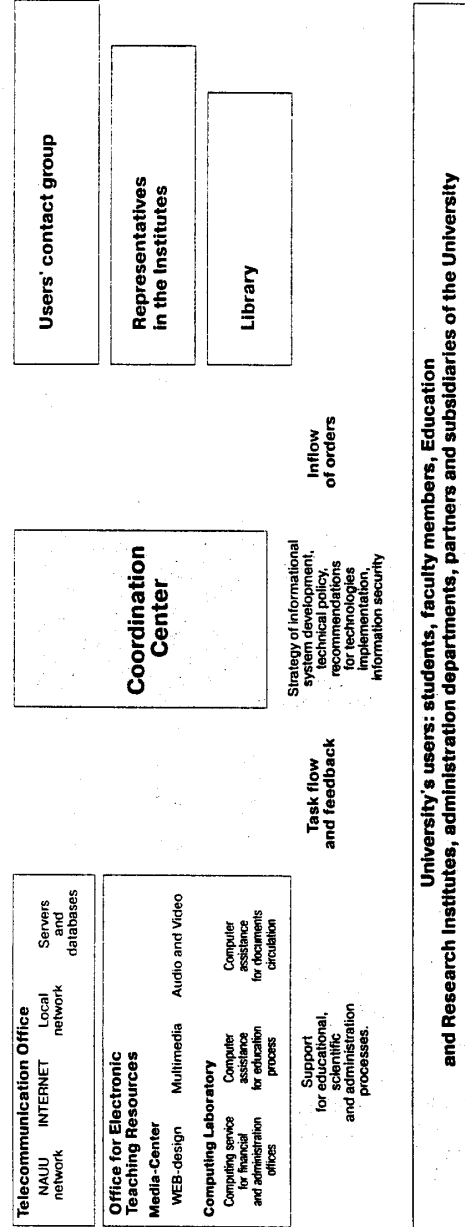
Prior to the establishment of the Center its future staff members passed long-term training at Pennsylvania State University (USA). The Rector of NAUU Acad. Dmytro O. Melnychuk agreed with its authorities on purchasing first computer hardware for NAUU.

A number of sponsors contributed to provide the Center with needed facilities. Among them is Louisiana State University (USA), especially on the first stage and in the person of Dr. Rouse Caffey. Pennsylvania State University (USA). Considerable organizational and financial support was provided by Voskobynyts' and Dwojaks' families, U.S. businessmen. Along with foreign sponsors financial support was given by local company "Ukragrotech" (headed by V.I. Stepanhno). Certainly the University itself, and charitable foundation "Perspectives of NAUU" have also made considerable allocation to it.

Functional divisions of the Center (Office for Electronic Teaching Resources, Telecommunication Office, Computing Laboratory) are assuring respective areas of the University's activity independently.























As a leader in application of computer technologies in the University Information Center together with other University's offices continues working on the development of information system that consists of subdivisions of ERIs, RIs, Departments, library, administration offices and services. Together with technological support, the Center is responsible for introduction of automated library system and centralized databases management system.

Due to the efforts of the Center's staff National Agricultural University maintains the largest computer infrastructure among all agricultural higher educational institutions in Ukraine.



# INTERNATIONAL PARTNERS

The close cooperation was established with the following educational institutions during 1990-2009

	<b>Austria</b> University of Natural Resources and Applied Life Science (BOKU), Vienna University of Veterinary Medicine, Vienna International Institute for Applied System Analysis		<b>Hungary</b> Debrecen Agricultural University
	<b>Belgium</b> Ghent University Gembloux University Katholieke Hogeschool Kempen, Geel		<b>Egypt</b> Zagazig University
	<b>Belarus</b> Belarussian Agricultural Academy in Gorki		<b>Estonia</b> Estonian Agricultural University
	<b>Bulgaria</b> AgroBioInstitute in Sofia Stara Zagora Zooveterinary Institute		<b>Israel</b> "Mashav" International Association (Tel-Aviv)
	<b>Cambodia</b> Agricultural Institute in Phnompenh		<b>Ireland</b> Dublin University
	<b>Canada</b> Toronto University University of Saskatchewan		<b>Italy</b> University of Perugia Biophysical Institute of the National Research Center UNO Food and Agriculture Organization (FAO)
	<b>China</b> North-Western University (Jan-Ling)		<b>Japan</b> Tokyo University of Agriculture
	<b>Czech Republic</b> Czech University of Agriculture in Prague Mendel Agricultural and Forestry University in Brno		<b>The Netherlands</b> Wageningen University
	<b>Germany</b> Humboldt University of Berlin Anhalt University of Applied Sciences Weihenstephan University of Applied Sciences Institute of Agricultural Development in Central and Eastern Europe (IAMO) Martin-Luther-Universität Halle Wittenberg Rheinischen Friedrich-Wilhelms Universität in Bonn Hohenheim University, Stuttgart Dresden Technical University Leipzig University Hanover University Georg-August-Universität in Göttingen		<b>Poland</b> Warsaw Agricultural University Krakow Agricultural Academy Technical University of Szczecin Agricultural Academy in Lublin
	<b>Great Britain</b> Edinburgh University Scottish Agricultural College		<b>Republic of Korea</b> Korea University
			<b>Russia</b> Moscow Timiryazev Agricultural Academy Moscow State Forest University
			<b>Slovak</b> Slovak University of Agriculture, Nitra Institute of Virology, Bratislava
			<b>USA</b> Iowa State University, Purdue University (State of Indiana), Louisiana State University, Pennsylvania State University, Case-Western Reserve University (State of Ohio), University of Arkansas, University of Nebraska-Lincoln, University of Illinois at Chicago, University of Minnesota, North Carolina State University
			<b>Uzbekistan</b> Tashkent Institute of Irrigation and Agricultural Mechanization Engineers



The National Agricultural University of Ukraine started its international activities in 1950.

Since that time more than 3000 foreign students from 89 countries all over the world have graduated from the University and got scientific degrees in different fields of agricultural sciences, forestry, fishery, and veterinary medicine. Among them more than 500 graduates have obtained Candidate of Science and Doctor of Science degrees.

For considerable contribution into international cooperation of NAUU 9 professors of partner universities were conferred the title "Honorary Doctor of NAUU" and 48 "Honorary Professor of NAUU".

Close cooperation with leading universities of the world allowed modifying the education system of NAUU

according to the market relations and its adapting to the requirements of the most prominent universities of the world. Iowa State University (USA) in 1996, Louisiana State University (USA) in 1998, as well as Ghent University (Belgium) and Humboldt University of Berlin (Germany) in 2002 endorsed NAUU education system as comparable with those of them.

Rector of National Agricultural University of Ukraine, Academician Dmytro Melnychuk, was conferred the titles of Honorary Professor of the College of Agriculture of Iowa State University (USA), Honorary Doctor of Humboldt University of Berlin (Germany) and Ghent University (Belgium), Honorary Senator of State of Louisiana (USA).

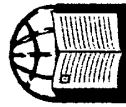


**As a result of international collaboration in 2001-2002:**

- 160** NAUU lecturers passed training at universities of country-partners in the framework of joint programs and took part in international conferences;
- 98** NAUU students passed study courses and training at foreign universities and took part in exchange programs;
- 850** NAUU students took practical training on farms of Western Europe and Northern America.

**MAIN INTERNATIONAL PROJECTS**

- TEMPUS/TACIS Project "Food quality: from soil to consumer" with Ghent University (Belgium) and Humboldt University in Berlin (Germany)
- International Master's Program "MBA in Agriculture" within DAAD Project "Export of German study programmes and support for international cooperation of Bavaria"
- "Linkage Project" with Iowa State University (USA)
- German-Ukrainian project of agricultural development and investments attraction in the frameworks of the Transform program
- Project "Improvement of methods and technical means in planting" with Dresden University (Germany)



**INTERNATIONAL STUDENT TRAINING PROGRAMS**

- Seasonal agricultural workers scheme in Great Britain
- International farm training and work experience programs
- IAAS, MAST, DAAD training programs
- International farmer's associations' programs



Student's life and activities at National Agricultural University is organized by Rectoral, student's organization and Labor union of NAUU. This ensures creation of student's self-government and conditions for self-expression and self-actualization of creative potential of young people.



**Main traditional public activity in NAUU:**

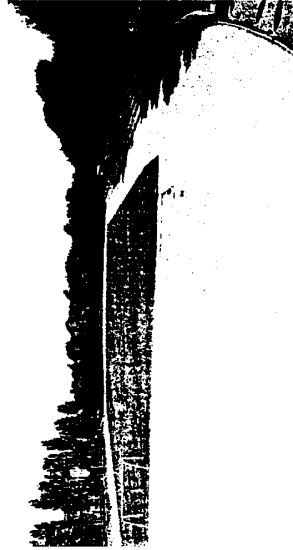
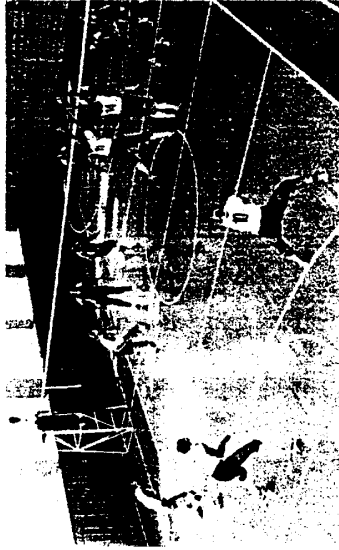
- The Day of Knowledge;
- The championship of KVN between the faculties and the Cup of KVN;
- The celebration of a New Year;
- The art concert "Golosijska Vesna";
- The championship in the fights of intellects "Brain-ring";
- The intellectual contest "The Student of NAUU";
- "Miss NAUU";
- The Mother's Day;
- The Homeland Defender's Day;
- Applied art exhibition "Gospodarochka";
- Conferences for young scientists;
- Discotheques.

More than 70 different comps, championships, competitions and festivals are held in NAUU every year.

**Art activity, sport and public events:**

- The ensemble of folk singing and dancing "Koloss" which numbers more than 200 of students under the lead of Merited Worker in Culture Stanislav Semenovskiy;
- The folk brass band under the lead of Merited Worker in Culture Evgen Donenko;
- Jazz-Band "Octava";
- The KVN-teams are the winners of the Championships of Ukraine;
- The student's theatre "Inspiration";
- The press-club publishes a monthly newspaper "Golosijsko for Students";
- The club of intellectuals;
- The club of amateur information technologies;
- The tourist's club "Bars";
- The area study club "The culture of your region".





Every year the department chair of physical training organize Olympics among faculty teams in 16 kinds of sports, Olympics "Health" among scientific and pedagogical workers of NAU, competitions in the hostels, where the students live, competitions inside the facilities among the course teams, competitions among educational groups according to the programme of state tests. Students and workers of NAU take part in city, regional and national competitions in 30 kinds of sports. Every year the University delegates its teams in 12 kinds of sports to the national sport games among students of agricultural higher educational institutions, which are depended on the Ministry of Agricultural Policy of Ukraine. In 2002, NAU took the 1-st place in the complex event of these games.

During the whole history of sport collective in the University there were trained: 4 merited masters of sports, 12 masters of sports of Ukraine in international category, 83 masters of sports, 173 candidates in masters of sports, 1135 sportsmen of the first category.

Famous sportsmen, who studied or worked in the University, are its sport fame. They are merited masters of sports: Olympic champion in volleyball B. Tereshchuk (Mexico City), Olympic champion in hammer throwing A. Bondarchuk (Munich), bronze prizewinner of Olympic Games in Atlanta (1996), frequentative champion of Europe, prizewinner of world championships in shot-put O. Bagach, frequentative champions and prizewinners of world championships in power lifting S. Bazayev and I. Naleykin, prizewinner of Europe championship in swordplay and participant of Olympic Games in Atlanta (1996) and Sydney (2000), the student of the faculty of agricultural mechanization V. Kalyuzhny.

### Sport sections and groups

- Basketball
- Football
- Volleyball
- Tennis
- Badminton
- Track-and-field athletics
- Weight-lifting
- Slung shot sport
- Power lifting
- Bodybuilding
- Ski-running
- Orienteering
- Karate Kiokushyn
- Catch style
- Head-to-head
- Shaping
- Dance aerobics
- The group "Health"
- Chess



Education and Research Institutes of Kyiv Center of NAU were established according to the Decree of the Cabinet of Ministers of Ukraine on March 1, 2001 №202 "On the National Agricultural University" by area integration of interrelated faculties, Higher Educational Institutions, which are the components of University, department chairs, problem research laboratories, research stations, training farms.

## EDUCATION AND RESEARCH INSTITUTE OF NATURAL SCIENCES AND LIBERAL ARTS



Director of the Institute - Doctor in Chemistry,  
Professor, Distinguished Researcher of Ukraine  
Volodymyr A. Kapilevych

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### Organizational chart of the Institute of Natural Sciences and Liberal Arts

- Departments
- Department Chairs

#### Mathematics and Physics

- Higher Mathematics
- General and Technical Physics
- Bio Physics
- Computerization and Informatics

#### Chemistry

- General Chemistry
- Analytical and Bioinorganic Chemistry
- Physical, Colloidal and Organic Chemistry

#### Social and Humanitarian Sciences

- History of Ukraine
- Philosophy
- Political and Social Sciences
- Culture Science

#### Philological Sciences

- Ukrainian and English languages for zoo-veterinary disciplines
- English for economic and humanitarian specialties
- English for technical and agrobiological specialties
- German and French

Problem scientific-research and training laboratories

Amateur performance collectives

### ACADEMIC AND CULTURE-EDUCATIONAL ACTIVITY

- Organization, provision and coordination of Educational Process in general theoretical, fundamental and professional training of bachelors, specialists, masters, postgraduates and doctors in Socio-Humanitarian, Natural disciplines, Biology, Chemistry, Physics, Mathematics, Foreign Languages.
- Organization and Coordination of complex scientific researches of teachers, postgraduates, students; performance of fundamental scientific developments.
- Establishment and coordination of work of self-support divisions for informational and consultation provision of customer's requests.
- Coordination of activities in international cooperation for consistent curricula and techniques of eternal specialists training in Natural and Social disciplines.

Institute has adequate intellectual potential of high-qualified personnel; there are 29 doctors and 108 PhDs among them. There are 16 specialized training laboratories, 4 training-research, 2 problem and accredited instrumented laboratories and 9 self-support consultation divisions at their disposal.

Training process is provided by 4 Departments, which connect Department Chairs according to the training cycle of postgraduates and students. During 2002, Department Chairs prepared and published 30 books and handbooks, 28 manuals and typical programs; 30 computer programs were developed.

The center of cultural students life is the Department Chair of Culturology, where students are the active participants of the ensemble of folk singing and dancing "Kolos", the folk brass band, pop bands, student's theatre studios.

Scientific conception of the Institute is directed to fundamental researches in Natural, Socio-Humanitarian Problems, questions of Socio-Demographical policy of modern Ukraine, ecological culture as a measure of self-organizational system "human-biosphere", and is based on wide and strong scientific background - well known Scientific Schools.

Currently, the research process is developing in 18 research themes.

Studying for getting PhD or Doctor degree within Department Chairs of ERI is provided according to such specialties: History of Ukraine, History of Philosophy, Foundations of Religion, Inorganic Chemistry, Differential Equations.

Students are actively involved into the scientific activities of Department Chairs in such forms as work in clubs, participation in competitions, holding of research work in different thematic.

**INTERNATIONAL RELATIONS**

The Institute provides research and training work according to international cooperation programs with Universities and Research Institutions of USA, Germany, Canada, Japan, Bulgaria, and Russia.



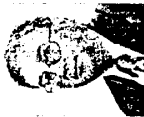
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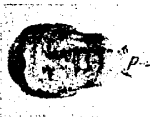
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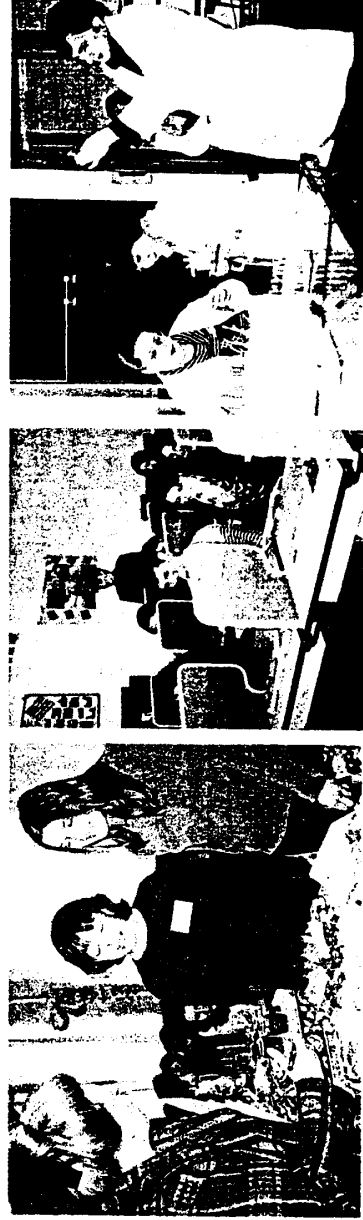
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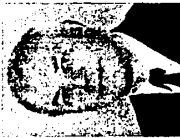


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# EDUCATION AND RESEARCH INSTITUTE OF PLANT SCIENCE, SOIL SCIENCE AND ECOLOGY



Director of the Institute -  
Doctor in Agriculture, Professor,  
Corresponding Member of UAAS -  
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## Organizational chart of the Institute of Plant Science, Soil Science and Ecology

Research Institute of Agrotechnologies  
and Quality of Plant Production

**Faculties:** Agronomy Agrochemistry and Soil Science  
Fruit and Vegetable Science Plant Protection and Biotechnologies

### Departments

#### Department Chairs

- Plant Science, Techniques and Technologies\*:**
- Farming
  - Plant Science
  - Agrochemistry and Quality of Plant Production
  - after O.I. Dushchukin
  - Feed Production and Grassland
  - Technologies of Plant Products Storage, Processing and Standardization after B.V. Lesyk
  - Melioration
- Fruit and Vegetables Growing:**
- Green housing
  - Vegetable Science
  - Horticulture
- Ecology\***
- Agroecology
  - Soils Science and Soil Protection
  - Departments with international status

#### Plants Biology and Biotechnology:

- Botany
- Plants Physiology, Virology and Biotechnology
- Genetics, Selection and Seed Science
- Microbiology and Mycology (lemping)

#### Phytomedicine and Environmental Protection:

- Phytomedicine
- Entomology
- Chemical Plant Protection
- Plants Quarantine

## EDUCATIONAL AND RESEARCH INSTITUTIONS

The Institute conducts training at 3 educational-qualification levels:

**Bachelor (4 years),  
Specialist (7 year),  
Master (1.5 years).**

### Agronomy

- Beet Growing
- Seed Production
- Seed Growing and Seed Science
- Medicinal Plants
- Technologies of Plant Products Storage and Processing

### Agrochemistry and Soil Science

- Agrochemical Service
- Soil Conservation
- Soil Monitoring and Fertility Reproduction

### Ecology and Environmental Protection

- Plant Quarantine
- Plant Immunity
- Biotechnologies
- Biological Plant Protection

### Fruit and Vegetables Growing and Viticulture

- Technologies of Storage and Processing of Fruit and Vegetables
- Selection and Seed Sciences of Fruit, Berry, Vegetable and Medicinal Crops
- Green Housing

### Selection and Genetics of Agricultural Crops

## ACADEMIC AND CULTURE-EDUCATIONAL ACTIVITY

Institute provides specialists training in "Agronomy" within the system of "Bachelor" - "Specialist" - "Master" Degrees for full time and correspondent students.

For graduates of technical schools and agricultural colleges the period of training is abridged.

Training process in specialty "Agronomy" is provided by 65 department chairs, 58 training laboratories. Training and production practices of students take place in Agronomy research station and training farm of NAUJ "Velykosnytske", in research stations of NASU and UAAS, leading state veterinary enterprises of Ukraine and enterprises of different forms of property.

## FACULTIES DEANS



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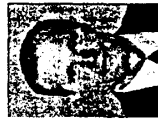
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Dean, Faculty of Fruit and Vegetable Science -  
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During the last ten years the Department Chairs prepared and published 87 books and 124 handbooks, 216 manuals and 74 complex training programs.

On the basis of the Institute there are different groups according to interests: KVN teams, club of intellectual games "Brain-Ring", folk choir, student scientific clubs, etc.

There are 15 scientific problem laboratories and 6 certified training-scientific-production laboratory in the structure of ERI.

Main spheres of research:

- scientific substantiation and development of resources saving and agroecological growing technologies
- creation of new sorts and hybrids of field, fruit and vegetable crops
- biotechnologies in plant growing
- elaboration of new complex fertilizers

Training of specialists of highest qualification is provided through postgraduate and doctoral education programs in 14 specialties. Nearly 100 postgraduates of full time and correspondent studying forms and 10 doctorants study every year in the Institute.

During the last ten years the staff of the Institute created and introduced into the register of plants sorts of Ukraine 2 sorts of winter wheat, 2 hybrids of corn, 4 sorts of black currant, 3 sorts of white cabbage, 2 sorts of tomatoes for greenhouses.

It is received 72 patents and author certificates on invention, written and published 36 monographies and 1823 scientific articles.

#### INTERNATIONAL RELATIONS

International activities of ERI started from training of foreign students and postgraduates from nearly 60 countries of Europe, Africa and Asia. Teachers and students of NAU participated in different studying and training programs in such countries as USA, Canada, France, Germany, England, Japan, China, Egypt, and Lebanon.

Curricula and syllabi for specialists training at the Institute are adapted to educational programs of leading universities of the world such as Iowa and Louisiana State Universities (USA), Ghent University (Belgium), and Humboldt University of Berlin (Germany), which is set in relevant memoranda.

10-12 Conferences are held every year on the basis of ERI.

Almost 60 students, masters, postgraduates participate in international traineeship every year. Main programs are: SHROPSHIRE, HOPS (England); Macra Na Feirme (Ireland); German Farmers Association, Switzerland and Denmark Farmers Association.

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#### DIRECTORS OF LABORATORIES

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Director of Plant Biology and Biotechnology Department - PhD in Agriculture, Associate Professor, Boris E. Yakubenko

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Director of Fruit and Vegetables Growing Department - PhD in Economics, Associate Professor, Hero of Ukraine - Oleksiy V. Prypyta

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Tel.: +38 (044) 267-82-11



Director of Ecology Department - Doctor in Chemistry, Professor - Valentyna V. Pidliznyuk

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# EDUCATION AND RESEARCH INSTITUTE OF ANIMAL SCIENCE AND WATER BIORESOURCES



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## Organizational chart of the Institute of Animal Science and Water Bioresources

Research Institute of Technologies  
of Animal Products Production

**Faculties:** Animal Science  
Water Bioresources and Aquaculture

### Departments:

#### Department Chairs:

- Animal Genetics and Selection
  - Animals Genetics and Biotechnology
  - Kivchenko Agricultural Animals Breeding
  - Horse-Breeding

#### Animal Science, Techniques and Technology\*

- Pshenychny Foddering and Feed Technology
- Technology of Milk and Beef Production
- Technology of Pork and Mutton Production
- Nesternovodskiy Apiculture
- Poultry
- Skorohodko Animals Hygiene
- Technology of Animal and Fishery Products Processing

#### Water Bioresources

- Hydrobiology
- General Zoology and Ichthyology
- Aquaculture

Training and research farm "Vorzel"

\* Departments with interinstitutional status

### SPECIALTIES AND SPECIALIZATIONS

The Institute conducts training of experts  
at 3 educational qualification levels:

Bachelor (4 years)

Specialist (7 years)

Master (to 1,5 years)

#### Animal Science

- Livestock Breeding
- Poultry
- Horse Breeding
- Bee-Keeping
- Meat and Dairy Products Production and Processing Technologies
- Meat and Meat Products Production and Processing Technologies
- Cnology

#### Water Bioresources

- Artificial Raising of Hydrobiots
- Hydroresources Protection
- Processing and Storage of Hydrobiots

The Institute offers "Animal Science" and "Water Bioresources" specialties within the system of level education and conducts training of Bachelors, Specialists, and Masters by full-time, correspondent and non-residence forms of education.

Graduates of Technical Schools are taking the abbreviated course. For training of experts 14 educational, 6 scientific, 3 educational and production laboratories were created on the Department Chair basis. There is also physiological yard, research apiary, aviary, collection herd of cattle, the stud farm for Aberdeen Angus breed, production base for aquaculture. 3 Academicians, 2 Correspondent Members of Ukrainian Academy of Agricultural Science (UAAS), 1 Correspondent Member of National Academy of Science of Ukraine (NASU), 12 Doctors of Sciences, Professors, 47 PhDs, Associated Professors are engaged in educational process.

During the last years more than 70 monographs, 54 textbooks, 49 manuals, 3078 scientific articles were published by the scientists of the Institute and 68 patents and author certificates were received. The obligate element of training is technological practices, which are taking by the students in the leading enterprises of the Ministry of Agricultural Policy system (stud and stock farms, poultry farms, Kyiv hippodrome, apiaries, fishery farms etc.).

The excursions for the students to the leading stock farms, Central Botanical Garden of NASU, Prokopovych Apiculture Museum, agricultural exhibitions are being continuously organized.

The students of the Institute are permanent participants of different thematic competitions, they became the winners and laureates of Ukrainian competition on animal science many times.

### FACULTY DEANS



Dean, Faculty of Animal Science -  
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Dean, Faculty of Water Bioresources and Aquaculture -  
PhD in Biology, Associate Professor  
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Scientific topics of Research Institute of Technologies of Animal Products Production are performing in the frameworks of the state scientific-technical programs with priority direction of science and techniques development called "New technologies and resources saving technologies in power engineering, industry and AIC". The work at creating the new breed of merino sheep and Ukrainian bee breed is almost completed. Scientific principles of creating the new generation of mineral premixes are developing; the system of ecology-economic evaluation of using the raw materials for the production of feed additions, premixes and mixed fodder in Ukraine is implementing; scientific substantiation and works concerning the development of new feeding standards for animals is conducting. Automatic multimedia program of selection process in tribal horse-breeding is creating. Scientific researches concerning the development of ways of increasing the effectiveness of biotechnological methods for animals' reproduction, improving the methods for selection process in livestock-breeding are conducting. The work is dealing with implementation of evaluating methods and preservation of ichthyofauna in closed Ukraine reservoirs.

**DIRECTOR OF RESEARCH INSTITUTE**



Director of Research Institute of Technologies of Animal Products Production - Doctor in Agriculture, Senior Researcher  
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**INTERNATIONAL RELATIONS**

Foreign activity of the Institute is aimed at raising the authority of Ukrainian education and science in the sphere of animal products production, organizing the students studying, training the lecturers and graduates of the institute in foreign educational and scientific institutions. The Institute's faculty took part in the international projects jointly with Iowa State University (USA), Ghent University (Belgium), Humboldt University of Berlin and the University of Weihenstephan (Germany), Dublin University (Ireland).

Curricula and syllabi of the experts training in the Institute meet the requirements of Iowa State University (USA), Ghent University (Belgium) and Humboldt University of Berlin (Germany). It was assured by the memoranda about mutual recognition.

About 30 students take production practice in UK, Belgium, German, Irish and US farms annually.



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Director of Animal Science Department - PhD in Agriculture, Associate Professor  
**Valeriy D. Brovarsky**

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Director of Water Resources Department - Doctor in Biology, Professor, Correspondent Member of NASU  
**Mykola Y. Erushenko**

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# EDUCATION AND RESEARCH INSTITUTE OF VETERINARY MEDICINE, QUALITY AND SAFETY OF AGRICULTURAL PRODUCTION



Director of the Institute -  
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Corresponding Member of IJAS  
Mykola I. Tsvilikhovskiy

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## Organizational chart of the Institute of Veterinary Medicine, Quality and Safety of Agricultural Production

Research Institute of Veterinary Medicine, Quality  
and Safety of Agricultural Production

Facilities: Veterinary Medicine,  
Quality and Safety of Agricultural Production

### Departments Department Chairs

#### Non-contagious Animal Diseases

- Therapy and Clinical Diagnostics
- Midwifery, Gynecology and Biotechniques of Animal Reproduction
- Surgery after Professor I. Povazhenko
- Pharmacology and Toxicology
- Animal Patho-physiology and Immunology

#### Contagious Animal Diseases:

- Microbiology, Virology and Biotechnology
- Epizootology and Infection Diseases
- Parasitology and Tropical Veterinary Medicine
- Path-Atomys

- Organization, Economics, Management and Marketing in Veterinary Medicine

#### Animal biology, Veterinary Sanitary and Quality and Safety of Agricultural Products:

- Anatomy of Agricultural Animals after Academician V. Kaspyanenko
- Histology, Cytology and Embryology
- Animal Physiology
- Animal Biochemistry, Quality and Safety of Agricultural Products
- Veterinary Sanitarian Expertise and Hygiene of Agricultural Production Processing
- Standardization and Certification of Agricultural Production
- Radiobiology and Radioecology

Training farm "Velykosnytnyske"

### FACULTIES DEANS



Dean, Faculty of Veterinary Medicine -  
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Dean, Faculty of Quality and Safety of Agricultural Production -  
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### Veterinary Medicine

- Laboratory Business
- Veterinary Sanitation Expertise of Quality and Safety of Animal Products
- Veterinary Hygiene of Animal Products Processing
- Small Animals Diseases
- Veterinary Pharmacy
- Tropical Veterinary

The Institute conducts training  
at 2 educational-qualification levels: **Specialist (5.5 years)**  
**Master (1.5 year)**

### Quality, Standardization and Certification

- Management of Quality, Standardization and Certification

### ACADEMIC AND SCIENTIFIC-EDUCATIONAL ACTIVITY

The faculty of Veterinary Medicine provides training of general practitioner veterinary doctors in individual specialties, according to the personal student's choice (duration of studying on the basis of technical schools - 3 year and 10 months, on the basis of general secondary school level - 5 years 6 months).

The faculty of Quality and Safety of Agricultural Products provides training in specialty "Veterinary Medicine" in such specializations as: "Laboratory Business", "Veterinary Sanitarian Expertise of Quality and Safety of Animal products", "Veterinary Sanitarian Expertise and Hygiene of Animal Products Processing" (duration of studying - 5 years and 6 months), and also in specialization "Quality, Standardization and Certification", and in specialization "Management of Quality, Standardization and Certification", which is for students with Bachelor or Specialist Degree in different specialties.

Educational program of Specialists training in specialty "Quality, standardization and certification" comprises brand new disciplines for Agricultural Higher Educational Institutions: quality and safety of agricultural production, standardization and certification of agricultural production, method of taking management decisions, basics of systematic approach, statistic methods and quality monitoring, valeology, legal support of management decisions, communication in international relations, auditing and certification, quality of animal and plant production.



Specialists training in Veterinary Medicine and Quality and Safety of Agricultural Products involves 46 Department Chairs and 56 training laboratories, 28 of which are specialized

Training and production practices of students take place in training farm of NAUJ "Velykosnytske", in research stations of NASU and UAAS, leading state veterinary enterprises of Ukraine and enterprises of different forms of property

During the last ten years scientists of the Institute published 28 books and handbooks, 17 computer training programs, the system of distance education is developed and is being providing.

There are laureates of State Premium of Ukraine in the field of sciences and mechanics. 2 laureates of the International Premium "Druzhba".

Students of the Institute take active part in culture and sport life of the University. They are members of different sport sections; some students are the members of state sport teams.

**RESEARCH ACTIVITY**

There are 7 scientific problem laboratories and certified training-scientific-production laboratory in the structure of ERI.

Training of specialists of highest qualification is provided through postgraduate and doctoral education programs.

Nearly 50 seekers of scientific degrees study in the ERI every year. There are 4 specialized Scientific Councils for doctoral and PhDs dissertations defense.

Researches of the Institute work on nearly 50 themes. During the last 10 years they elaborated 17 veterinary preparations (vaccines, serums, diagnostics, and prophylactic mixtures), got nearly 40 patents and author certificates on invention, developed and introduced 25 educational-training recommendations.

Director of the Research Institute of Veterinary Medicine, Quality and Safety of Agricultural Production -  
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 Academician of UAAS, Honorary Scientist of Ukraine in the sphere of science and engineering  
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**INTERNATIONAL RELATIONS**

Curricula and syllabi for specialists training in the institute are adapted to educational programs of leading universities of the world. Such as Iowa State University (USA), Ghent University (Belgium), and Humboldt University of Berlin (Germany).

Professors of the Institute are members of different international organizations: European Association of Veterinary Educational Institutions, World and European Associations of Veterinary Anatomists, International Scientific Group of Spinal Animals Morphologists, World Association of Historians of Veterinary Medicine. Institute collaborates with Universities and Scientific Institutions of USA, CIS and European countries.

**DIRECTOR OF DEPARTMENTS**

Director of Non-contagious Animal Diseases Department -  
 Doctor in Biology, Professor, Corresponding Member of UAAS,  
 Honorary Scientist of Ukraine in the sphere of science and engineering -  
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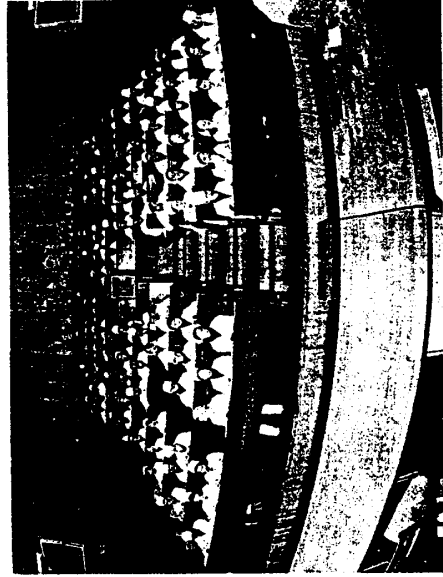
Director of Contagious Animal Diseases Department -  
 Doctor in Veterinary Sciences, Professor -  
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Director of the Department of Animal Biology, Quality and Safety of Agricultural Production - Doctor in Biology, Professor,  
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# EDUCATION AND RESEARCH INSTITUTE OF BUSINESS



Director of the Institute.  
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science and engineering, Corresponding Member  
of UAAS, Doctor in Economics, Professor  
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## Organizational chart of the Institute of Business

Research Institute of Economics and Management  
of Agroindustrial Production

Faculties: Economics

Agricultural Management

Departments:  
Department Chairs:

Economics and Social Rural  
Development

- Agricultural Economics
- Organization of Agribusiness
- Economics of Agricultural Services
- Agricultural Sociology and Rural  
Development
- Economic Theory
- Stock-Exchange Activity

Management, Marketing  
and Foreign-Economic  
Activity

- Management
- World Agriculture and Foreign-  
Economic Activity
- State Management
- Marketing

Computer  
Informational  
Technologies

- Informational Systems  
for Management
- Economic Cybernetics
- Agricultural Consulting

Finance, Accounting and Audit

- Finance
- Banking
- Tax and Insurance Activities
- Accounting and Audit
- Statistics and Economic Analysis

Training and research farm "Velykosnithynske"

## FACULTIES DEANS



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Dean, Faculty of Agricultural Management -  
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The Institute conducts training of experts  
at 3 educational qualification levels:

**Bachelor (4 years)**  
**Specialist (1 year)**  
**Master (to 1,5 years)**

### Economics of Enterprise

- Economics of small enterprises
- Economics of farms
- Stock-Exchange Activity

### Accounting and Audit

- Accounting and Audit in Agricultural Enterprises
- Accounting and Audit in Budget Institutions and Organizations
- Accounting and Audit in Banks, Control and Inspection
- Control and Inspection

### Finance

- Finance of Agricultural Enterprises
- Government Finance
- Taxation
- Banking for Agricultural Enterprises
- Insurance

### Management of Organizations

- Legislation for Agriculture

### Management of Foreign-Economic Activity

### Marketing

### Economic Cybernetics

## ACADEMIC AND CULTURE-EDUCATIONAL ACTIVITY

Educational process at the Faculties of Educational and Research Institute of Business is oriented on the effective individual training of the high-qualified specialist, who is able to solve modern production and scientific tasks on economics, management, accounting and audit, finance, economic cybernetics and marketing. Curricula are adapted to the curricula of the USA, Russia and EU higher educational system. It enables students to continue studying on the relevant courses in foreign universities and receive diploma about higher education, corresponding to international demands.

While taking Bachelor's Degree, the students study three cycles of normative obligate disciplines: Humanities, Fundamental and Profession-oriented disciplines with management, economic, accounting and financial profile.

While taking Specialist's and Master's Degree, the students study advanced courses of disciplines, which are forming the specialization, chosen by them.

During the last 10 years about 51 monographs, 55 textbooks, 130 manuals, 1500 scientific articles were published by the scientists of the Institute.

At the Faculties of Educational and Research Institute of Business great attention is given to the students self-enrichment, sports and cultural events. All these events are taking place with a help of students organizations at the faculties.

Research Institute of Economics and Management of Agroindustrial Production is created on the basis of Educational and Research Institute of Business. The scientists of this Research Institute conduct scientific investigations on the most topical problems of economics and management in AIC with the directions as follow: development of organizational, economic and technological aspects of scientific management, foreign-trade policy of Ukrainian AIC by the directions of its reforming according to the standards and principles of GATT/WTO, formation of agricultural policy concept on the basis of AIC market mechanism development; improvement of economy forms and market infrastructure; development of the optimized system for AIC management according to administration reform concept; development of model of analysis, evaluation of financial state of AIC enterprises; development of the effective model of investment and credit provision for AIC together with implementation of land mortgage mechanism

#### DIRECTOR OF RESEARCH INSTITUTE



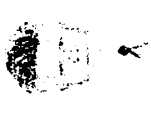
Director of Research Institute of Economics and Management of Agroindustrial Production -  
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#### INTERNATIONAL RELATIONS

Foreign activity of the Institute is aimed at development of cooperation and establishing of international relations with educational and scientific institutions of the USA, EU and CIS countries, which create preconditions for participation in interstate programs, conferences, for studying and training of students and faculty in many leading universities and scientific centers of these countries. Curricula and syllabi of the experts training in economics and management meet the requirements of Iowa State University (USA), Wageningen University (Netherlands) and Humboldt University of Berlin and the University of Applied Sciences Weißenstephan (Germany).

International Masters training course "Master of Business Administration in Agriculture - MBA-agr" is created on the basis of Educational and Research Institute of Business. This program is established by National Agricultural University of Ukraine together with the University of Applied Sciences Weißenstephan (Germany) and Wageningen University (Netherlands). Graduates of this program receive two Diploma, corresponding to both national and international demands.



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Doctor in Economics, Professor  
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Director of Finance, Accounting and Audit Department -  
Doctor in Economics, Professor  
**Petro A. Layko**

tel.: +38 (044) 267-88-91



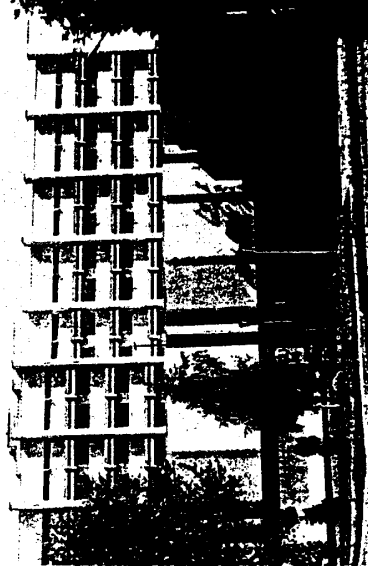
Director of Management, Marketing and Foreign-Economic Activity Department -  
PhD in Economics, Associate Professor  
**Victor G. Oreshivsky**

tel.: +38 (044) 267-82-35

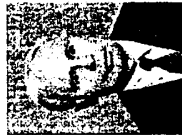


Director of Computer Informational Technologies Department -  
PhD in Economics, Associate Professor  
**Alexandr E. Pypov**

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# EDUCATION AND RESEARCH TECHNICAL INSTITUTE



Director of the Institute  
 PhD in Technical Sciences, Professor,  
 Correspondent Member of UAAS, Academicians  
 of the Academy of Engineering Sciences of Ukraine -  
**Dmytro G. Voltyuk**

Tel.: +38(044) 267-86-08  
 e-mail: tech\_inn\_director@nauu.kiev.ua

The Institute conducts training of experts  
 at 3 educational qualification levels:

- Bachelor (4 years)**
- Specialist (7 year)**
- Master (to 7,5 years)**

## Mechanization of Agriculture

- Mechanization of Plant Growing
- Mechanization of Animal Production
- Technical Service
- Technical Control and Labour Protection
- Mechanization of Processing and Storage of Agricultural Products
- Engineering Management
- Professional Training

## Power Engineering for Agricultural Production

- Automation of Agricultural Production
- Electrification of Production Processes
- Electricity Supply for Agriculture
- Electrification Technologies in AIC
- Computer-Integrated Control Technologies

## Automatic Control by Technological Processes

## Agricultural Machinery and Implements

- Machinery Construction
- Standardization, Certification and Approval of Agricultural Machinery

## ACADEMIC AND CULTURE-EDUCATIONAL ACTIVITY

Training of the new generation of specialists in the field of mechanization, electrification and automation of plant growing and stock breeding, constructing and design of agricultural technique is conducted by the faculty staff of more than 60 Department Chairs on the base of modern education standards adopted to meet the demands of the best world syllabus for state and private branches of agricultural economics.

## FACULTIES DEANS



Dean, Faculty of Mechanization of Agriculture -  
 PhD in Technical Sciences, Associate Professor -  
**Yaroslav M. Mykhailovych**  
 Tel.: +38(044) 267-85-34  
 e-mail: mechan\_dean@nauu.kiev.ua



Dean, Faculty of Electrification and Automation of Agriculture -  
 PhD in Technical Sciences, Associate Professor -  
**Ivan P. Radko**  
 Tel.: +38(044) 267-86-89  
 e-mail: electrif\_dean@nauu.kiev.ua



Dean, Faculty of Construction and Design -  
 PhD in Technical Sciences, Associate Professor -  
**Kostyantyn G. Lopatko**  
 Tel.: + 38(044) 267-85-74  
 e-mail: mechng\_dean@nauu.kiev.ua

## Organizational chart of the Technical Institute

Research Institute of Techniques and Technologies

- Faculties:**
- Mechanization of Agriculture
  - Electrification and Automation of Agriculture
  - Construction and Design

- ▣ **Departments**
- ▢ **Department Chairs**

### Mechanization of Agricultural Production

- Exploitation of Techniques and Engineering Management
- Mechanization of Livestock Production
- Mechanization, Processing and Storage of Agricultural Products
- Tractors and Automobiles
- Agricultural Machinery after P.M. Vasylenko
- Labour Protection

### Construction and Design for Agriculture

- Agricultural Mechanical Engineering
- Technology of Constructional Materials and Materials Science
- Machines Construction

### Power Engineering and Automation of Agricultural Production

- Electric Machines and Electric Equipment Exploitation
- Electrification Technologies in Agriculture
- Electricity Supply
- Heating Energy
- Automation of Agricultural Production

### Engineering Mechanics

- Descriptive Geometry, Computer Graphics and Design
- Mechanics and the Theory of Mechanisms and Machines
- Resistance of Materials (developing)

### Technical Service, Standardization, Certification and Approval of Agricultural Machinery and Equipment\*

- Technical Services in Agriculture after M.P. Mamolenko
- Professional and Industrial Training
- Machines Reliability and Repair
- Standardization and Certification of Agricultural Machinery and Equipment (developing)

\* Departments with international status

Training and Research Farm "Velykosnytske" (Kiev region)

During the last 10 years the University scientists have published 98 textbooks and manuals, 17 multimedia programs, 79 educational, controlling and inquiry computer programs.

A deep technological training of students, their mastering with modern computer technologies is provided by the curricula.

The graduates of specialized technical schools and colleges have an opportunity for short term studying.

The laboratory and practical classes take place at the base of 53 studying laboratories, the scientific laboratories of Research Institutes of Mechanization and Electrification in Agriculture, Ukrainian Center for Technique Testing and "Velykosnitynske" training and research farm, construction departments and workshops of factories of agricultural machine building, at the energy supplying enterprises.

After every grade of studying the curriculum provides educational and productive practical training. The students of the institute have an opportunity to pass practical training at the farms of England, Germany, Belgium, France, Denmark, and USA etc.

The students take an active part in the cultural and sport events of the institute. It is traditional for the Institute to win prizes at the art contest "Golosiyska vesna", KVN competitions, and sport tournaments.

#### DIRECTOR OF RESEARCH INSTITUTE



Director of Research Institute  
of Techniques and Technologies,  
Doctor in Technical Sciences, Professor -  
Valeriy O. Dubrovin

Tel.: +38 (044) 267-85-62  
e-mail: [technik\\_research@iwin.nau.ukev.ua](mailto:technik_research@iwin.nau.ukev.ua)

#### RESEARCH ACTIVITY

The Research Institute of Techniques and Technologies conducts planning and coordination of research work of scientists from the 4 Departments and 4 scientific and research problem laboratories. They have reached the essential results in working out of the newest systems of technical supply of the strict land cultivation, development of the modern resource saving complexes of agricultural machines, working out the mechanized technologies of agricultural products processing, solving the problems of energy supplementation of agricultural areas with implementation of alternative, untraditional and renewable energy sources, creation of the systems of automatic control of technological processes, growing the safety of electric appliances at the base of functional and composite materials, creation of the energy and resource saving electric technologies of storage and processing of agricultural products, diagnostic of the technical level of production complexes.

The students take an active part in the research work. The results of the research work become the themes of course, diploma, and master's projects, they are mentioned in the scientific publications, reports at the scientific and practical conferences in Ukraine and abroad, and while preparing the documents for protection of intellectual property. The scientific production magazine "Electrification and Automation of Agriculture" and a digest of research works are published.

The training of PhDs and Doctors of Technical Sciences is carried out in the Institute in 10 specialties, there are 2 Specialized Scientific Councils on defending the Doctor and PHD dissertations.

The international activity of the Institute aims the growing of the world authority of Ukrainian agricultural engineering science and education, organization of student's learning and graduates and lecturers training at the foreign educational and scientific institutions.

The Institute cooperates with Dresden Technical University, universities and scientific institutes of agricultural technique of Bonn, Prague, Lublin, the Universities of Iowa, Nebraska and Indiana States (USA), foreign agricultural enterprises "John Deer" (USA), "Valtra" (Finland), corporations AGCO (Denmark), "De Laval" (Sweden) etc. The curricula and syllabi of specialists training are adopted to meet the demands of Iowa and Louisiana State Universities (USA) and Humboldt University of Berlin (Germany) that is proved by the appropriate memoranda.

#### DIRECTORS OF DEPARTMENTS



Director of the Department of Mechanization  
of Agricultural Production -  
PhD in Technical Sciences, Professor -  
Ivan I. Melnyk

Tel.: +38 (044) 267-86-32



Director of the Department of Construction  
and Design for Agriculture -  
Doctor in Technical Sciences, Professor -  
Anatoliy I. Boyko

Tel.: +38 (044) 267-85-20



Director of the Department of Power  
Engineering and Automation of Agricultural Production  
Doctor in Technical Sciences, Associate Professor -  
Volodymyr V. Kozyrsky

Tel.: +38 (044) 267-85-80



Director of Engineering Mechanics Department  
Doctor in Technical Sciences, Professor -  
Serhiy F. Pilyupaka

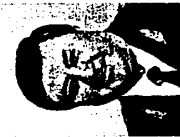
Tel.: +38 (044) 267-85-20



Director of the Department of Technical Service,  
Standardization, Certification and Approval  
of Agricultural Machinery and Equipment  
PhD in Technical Sciences, Associate Professor -  
Valeriy D. Voltyuk

Tel.: +38 (044) 266-80-57

# EDUCATION AND RESEARCH INSTITUTE OF FORESTRY AND PARK-GARDENING



Honorary Director of the Institute - Member of Parliament of Ukraine, PhD in Economics, Honorary Professor of NAUW - Valeriy I. Samoplivsky



Director of the Institute - Doctor in Agriculture, Professor - Petro I. Lalyda

Tel.: +38 (044) 267-85-28  
e-mail: forest\_int\_director@nauw.nauw.kiev.ua

## Organizational chart of the Institute of Forestry and Park-Gardening

Research Institute of Forestry and Decorative Horticulture

**Faculties:** Forestry Park-Gardening and Landscape Architecture

### Departments

#### Department Chairs

#### Forestry

- Forest Cultures and Forest Phytopathology
- Forest Melioration
- Mechanization of Forest Complex
- Forest Protection

#### Forest Use Planning and Forest Management

- Forest Valuation and Forest Use Planning
- Forest Management

#### Decorative Horticulture and Landscape Architecture

- Dendrology and Forest Selection
- Landscape Architecture and Park-Gardening Construction
- Decorative Horticulture and Phytodesign

NAUW Botany Garden

Boyarka Forestry Station (Kiev region)

### SPECIALITIES AND SPECIALIZATIONS

The Institute conducts training of experts at 3 educational qualification levels:

- Bachelor (4 years)
- Specialist (7 years)
- Master (1,5 years)

#### Forestry

- Hunting
- Forest Resources Management and Entrepreneurship
- Forest Melioration
- Forest Protection

#### Park Gardening

#### Woodworking in Technology

The training process at the Institute aims the effective individual training and education of the specialist who is able to solve the professional problems provided by the modern demands of production and science and to produce new knowledge for forestry and park gardening.

The lecturers of more than 40 chairs conduct the training. The practice of training, preparation and defense of bachelor and master projects, passing the technological and production training at the foreign institutions, enterprises and institutes of the world leading countries are broadening.

During the last 10 years the University scientists have published 37 textbooks and manuals and more than 60 educational computer programs.

The laboratory training is carried out at the studying laboratories of the institute and the university. There are educational practical training of special subjects provided by the curricula. The leading base for educational practical training of the institute is Boyarka Forestry Station.

The technological and pre graduation practical trainings are the essential part of preparation the professionals, the students pass training at the leading enterprises of the State Forestry Committee, Ministry of Agricultural Policy of Ukraine, and Ministry of Industrial Policy of Ukraine.

### FACULTIES DEANS



Dean, Faculty of Forestry - PhD in Agriculture, Associate Professor - Sergiy B. Kovalovsky

Tel.: +38 (044) 267-84-22  
e-mail: forest\_dean@nauw.nauw.kiev.ua



Dean, Faculty of Park-Gardening and Landscape Architecture - PhD in Agriculture, Associate Professor - Anatoly I. Kushnir

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e-mail: landscape\_dean@nauw.nauw.kiev.ua

The Institute's staff conducts the research work in the most important fields of forestry science: studying the laws of forest ecosystems development, improvement and ecological aspect of forestry technologies, development of the methods of estimation of forest resources, studying the problems of biotic variety and forest ecological condition, studying the dynamics of phyto-masses and carbon in the forests, optimization of agricultural forest landscapes. The students of all courses take an active part in the researches.

The results of the researches are used in the training process, mentioned in the scientific publications and reports at the national and international conferences.

During the last 10 years the Institute researchers have published 51 monographs, received 11 patents, carried out 9 science and practical conferences at international level.

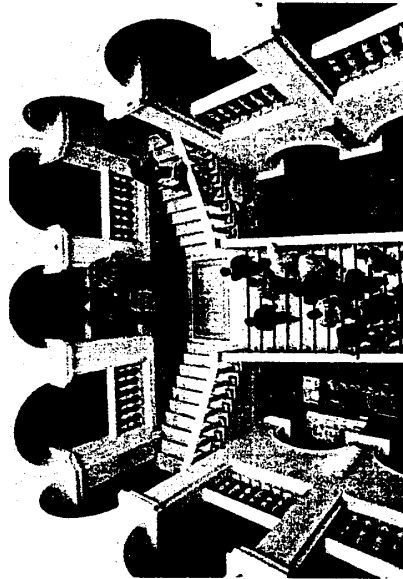
The training of PhDs and Doctors is carried out in the Institute in 3 specialties, the Specialized Scientific Council on defending the Doctor and PhD dissertations is functioning.

**DIRECTOR OF RESEARCH INSTITUTE**



Director of Research Institute of Forestry and Decorative Horticulture -  
Doctor in Agriculture, Corresponding Member of UAAS,  
Professor -  
Anatoly A. Strochynsky

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The international activity of the Institute aims the growing of the world authority of Ukrainian forestry science, organization of student's learning and graduates and lecturers training at the foreign educational and scientific institutions, the involvement of students to the international master's programs, joint scientific projects. The Institute cooperates with the universities and scientific institutions of Russia, Belarus, Poland, Slovakia, Czech Republic, Germany, Austria, USA.

The curricula and syllabi of specialists training are adopted to meet the demands of Iowa and Louisiana State Universities (USA) and Humboldt University of Berlin (Germany) that is proved by the appropriate memoranda.



**DIRECTOR OF DEPARTMENTS**



Director of Forestry Department -  
Doctor in Biology, Correspondent Member of UAAS, Professor,  
Merited Worker of Public Education in Ukraine -  
Anatoly V. Tsylyurynk

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Director of the Department of Forest Use Planning and Forest Management -  
PhD in Agriculture, Associate Professor -  
Pavlo V. Kravets

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Director of Decorative Horticulture and Landscape Architecture Department -  
PhD in Agriculture, Associate Professor -  
Serhij B. Kovalevsky

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# EDUCATION AND RESEARCH INSTITUTE OF LAND RESOURCES, LAW AND SOCIAL PEDAGOGY



Honorary Director of the Institute -  
Head of the State Land Committee of Ukraine,  
Doctor in Economics, Professor -  
**Anatoliy S. Danylenko**



Director of the Institute -  
PhD in Physics and Mathematical  
Sciences, Associate Professor,  
Merited Worker of Education of Ukraine -  
**Viktor G. Styrusrenko**

Tel.: +38 (044) 258-11-54  
e-mail: [lp\\_mn\\_director@hwn.nauu.kiev.ua](mailto:lp_mn_director@hwn.nauu.kiev.ua)

## Organizational chart of the Institute of Land Resources, Law and Social Pedagogy

Research Institute of Agricultural and Land Law (developing)

**Faculties:** Land Management  
Social Pedagogy  
Law

Departments  
 Department Chairs

### Natural Resources Protection\*

- Land Use Planning Projection
- Land Resources Management
- Land Cadastre
- Geodesy and Cartography
- Geo-Informational Systems and Technologies
- Natural Resources Protection

### Legislation for Agriculture

- Theories of State and Law History
- Agricultural, Land and Ecological Law
- Constitutional, Administrative and Financial Law

### Social Pedagogy

- Pedagogy
- Studying Methodic
- Psychology
- Disciplines of General Education

## SPECIALITIES AND SPECIALIZATIONS

The Institute conducts training of experts at 3 educational qualification levels:  
**Bachelor (4 years)**  
**Specialist (1 year)**  
**Master (to 1,5 years)**

### Land Management and Cadastre

- Land Protection
- Management of Areas
- Agricultural and Land Law

### Law

### Professional Training

### Social Pedagogy



## RESEARCH AND EDUCATIONAL ACTIVITIES

Training and methodical work at the institute aims preparation of the highly qualified professionals in the fields of protection and rational usage of land resources, regulation of agriculture land relations and their legislation, social pedagogy and retraining of lecturers for institutions of higher education of I-II accreditation levels.

60 Department Chairs provide the training process. Specialists' training is carried out on fulltime, correspondent and non-residence basis.

The theoretical training is combined with deep practical education. The practical training of main subjects is provided by the curricula.

Technological, pedagogical, pre graduating and production practical classes take place at the departments of State Committee of Ukraine of Land Resources, Department Chair's branches at the institute of land order, institutions of higher education of I-II accreditation levels, juridical departments of regional state administrations.

The students take an active part at the cultural and sport events, choir singing and dance ensemble, brass band orchestra of NAUU.

## FACULTIES DEANS



Dean, Faculty of Land Management -  
PhD in Agriculture, Associate Professor -  
**Bogdan I. Novak**  
Tel.: +38 (044) 258-05-24  
e-mail: [landuse\\_dean@hwn.nauu.kiev.ua](mailto:landuse_dean@hwn.nauu.kiev.ua)



Dean, Faculty of Social Pedagogy -  
PhD in Pedagogical Sciences, Associate Professor -  
**Petro G. Luzan**  
Tel.: +38 (044) 257-22-10  
e-mail: [teacher\\_dean@hwn.nauu.kiev.ua](mailto:teacher_dean@hwn.nauu.kiev.ua)



Deputy Dean, Faculty of Law -  
**Volodymyr I. Ktrylo**  
Phone +38 (044) 257-33-10  
e-mail: [lawyer\\_dean@hwn.nauu.kiev.ua](mailto:lawyer_dean@hwn.nauu.kiev.ua)



The research work is done to improve the management of State Land Cadastre, create national system of land market, work out the legislation documents, theoretic basis of rational usage and protection of agricultural landscapes, legislation of changes in rural ownership relations, research of psychological and pedagogical issues of the improvement of specialists training at the institutions of higher education.

The scientific and lecturing staff has published 32 monographs, 15 textbooks and manuals, more than 300 scientific methodical publications.

Training of the highly qualified specialists is conducted through the post-graduate and doctorate training in 4 specialities: "Economics of Land Use and Environmental Protection", "Land Law, Agricultural Law, Ecological Law, Nature Protection Law", "Theory and Methods of Professional Training", "Theory and Methods of Education (agricultural sciences)". Every year more than 50 postgraduates study at the Institute.

A Specialized Scientific Council on defending the PHD dissertations of the rank of PHD in Pedagogical Sciences is functioning at the Institute.



Director of National Resources Protection Department -  
Doctor in Agriculture,  
Corresponding Member of UAAS, Professor -  
Sergiy Y. Buliygin

Tel.: +38(044) 256-05 25

Director of the Department of Legislation for Agriculture - Tel.: +38(044) 263-93-87



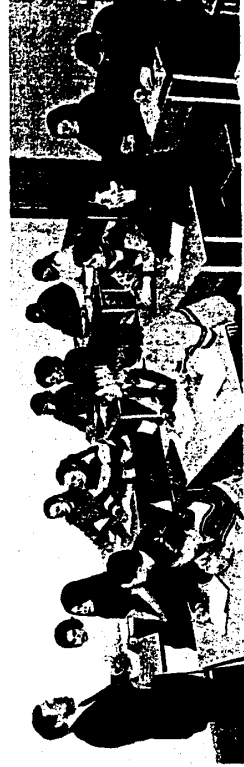
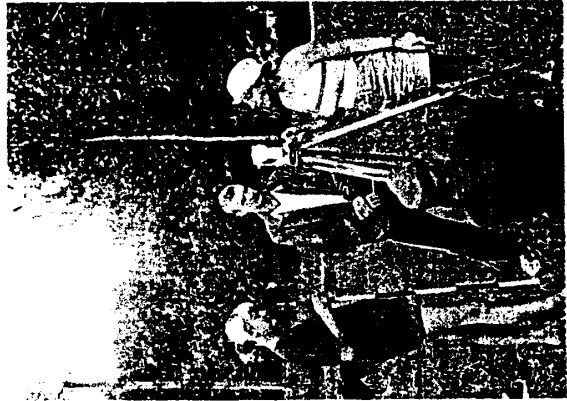
Director of Social Pedagogy Department -  
PHD in Psychological Sciences, Associate Professor -  
Viktor M. Tytov

Phone +38(044) 257-22-10

**INTERNATIONAL RELATIONS**

The Institute actively develops the international relations, cooperates with educational institutions and organizations of foreign countries, such as Ghent University (Belgium), Humboldt University of Berlin (Germany), Perugia University (Italy).

USDA-ARS central laboratory of soil protection (USA), University of Saskatchewan (Canada), Council of integration and development of agricultural education (France-Canada).



## INSTITUTE OF CONTINUING EDUCATION



Rector of the Institute -  
PhD in Economics, Professor,  
Honorary Scientist of Ukraine in the sphere of agriculture  
Mykola P. Babienko

tel.: +38 (044) 267-81-72

The main goal of the Institute is rationalization of state policy in the sphere of agricultural education concerning the contentment of AIC needs in conducting the training, retraining, and improving the qualification of leaders staff and specialists. The Institute is a major one in the system of AIC on the issues of coordination of advanced agricultural education.

### MAIN TARGETS:

- improving the qualification and retraining of specialists for AIC and state officers from administrative bodies with complete and basic higher education, faculty staff from higher educational institutions according to state licenses conferred, rendering the paid services in accordance with valid order, didactical activity;
- training the leaders staff for Ukrainian AIC;
- organizing the contentment of informational and consulting needs for agricultural producers;
- coordinating the activity of regional institutions of advanced education.

**STRUCTURAL REORGANIZATION**  
The structural subdivisions of the Institute are the Faculties for leaders staff training, for the improving of specialists qualification, for the retraining of agricultural educational institutions and also some functional departments, which interact with Educational and Research Institutes of NAU, different scientific institutions and administrative bodies of Ukrainian AIC.

**TRAINING AND RESEARCH ACTIVITY**  
Educational process on retraining, improving the qualification and purposive studying is provided by the faculty staff of the Institute and the University, other educational and scientific institutions, Ministries, Departments and production and is conducted considering some features, derived from the heterogeneity of trainees by the official position, age, level of knowledge, experience gained.

On the average, about 3000 of state officers, directors of enterprises, institutions and organization of different forms of property, directors and lecturers of agricultural higher educational institutions improve their qualification in the Institute annually. About 100 persons take retraining and receive diploma about higher education.

Scientific work is conducted on the issues of development and dissemination of curricula and syllabi, methodical recommendations, manuals etc.; studying and dissemination of perspective educational experience, promotion of implementing the new technologies for adults' education.

### INTERNATIONAL RELATIONS

The Institute takes an active part in realization of different international projects. In particular, Germany-Ukraine project "Reforming the system of central and regional management in agricultural sector of Ukraine".

## MILITARY TRAINING FACULTY



Military Training Faculty Dean -  
Honorary Scientist of Ukraine in the field of education  
Colonel Anatoliy O. Esaukov

Tel.: +38 (044) 267-89-88

According to the Resolution of the Cabinet of Ministers of Ukraine from July 11, 2001 No. 278-p on the basis of Military Department Chair of National Agricultural University the Military Training Faculty was created. It consists of 4 Military Department Chairs: Tactics, General Military Disciplines, Fire Training, Exploitation, Division of educational process provision and Department Chairs of Civic Defence and Physical Training, which are under the rule of this Faculty according to the Rector's Decree. The Faculty has developed educational and material base.

Main target - training of army officers within the specialties of "Commander of mechanized, tank, automobile platoons; commander of regulation works platoon"; "Commander of repair platoon"; "Deputy commander of company on educational work"; "Head of veterinarian department or Head of veterinary-epizootic detachment".

Military training of army officers of Armed Forces of Ukraine are taking second-year full-time students no older than 25, who are Ukrainian citizens and suitable for military training by the state of health.

The students can take military training at the expense of state budget or paid by other legal persons or by themselves.

Only the fixed quantity of students, who has higher rating after the competitive selection, can take military training paid from the state budget. The other fixed quantity of students, interested in taking military training, should sign the agreement with Rector of National Agricultural University of Ukraine, according to which, the fee for program of military training of the students can be paid by themselves or by other legal persons or individual persons.

After graduation from the Military Training Faculty, the students receive primary officer rank and military specialty, which enables them to serve for a fixed period, occupying officer positions, in Armed Forces of Ukraine.

# REGIONAL TECHNICAL INSTITUTES

There are 6 regional educational institutions as legal persons in the structure of National Agricultural University. More than 8000 students are studying in the regional educational institutions at the moment. The students from regional institutions of I-III accreditation level of NAUU, who has received the title of younger specialist, can continue their studying in NAUU by the short-cut schedule to get Bachelor's Diploma. Excellent students from regional institutions, taking Bachelor's Degree, have a right to be transferred to NAUU by the relevant educational qualification level.

## Institutes

### BEREZHANY AG TECHNICAL INSTITUTE



Rector -  
Doctor in Engineering,  
Honorary Machine Builder of Ukraine,  
Real Member of Ukrainian Academy of Economic  
Cybernetics and Ukrainian Academy of Tribotechniques  
Vasyi M. Pavlytsky

#### ADDRESS OF THE INSTITUTE

20 Akademichna str., Berezhan, Ternopil oblast, 47501, Ukraine  
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fax: +38 (03548) 2-11-59  
www.bati.tim.net.ua  
e-mail: Bati@ber.te.ua

#### ORGANIZATIONAL CHART OF THE INSTITUTE

**Faculties:** Economics and Entrepreneurship  
Mechanization in Agriculture  
Power Engineering and Automation in Agriculture

#### SPECIALTIES AND SPECIALIZATION

The Institute conducts training of experts  
of three educational qualification levels:  
Specialist  
Junior Specialist.

#### Mechanization in Agriculture

#### Power Engineering in Agricultural Production

#### Economics of Enterprises

#### Accounting and Audit

#### Accounting

#### Power Engineering and Automation in Agriculture

### NIZHYN AG TECHNICAL INSTITUTE



Rector -  
PhD in Pedagogy, Associate Professor,  
Honorary Scientist of Ukraine in the field of education  
Vasyi S. Lukach

#### ADDRESS OF THE INSTITUTE

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fax: +38 (04631) 2-53-81  
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e-mail: nat@ne.org.ua

#### ORGANIZATIONAL CHART OF THE INSTITUTE

**Faculties:** Economics and Entrepreneurship  
Mechanization in Agriculture  
Power Engineering and Automation in Agriculture

#### SPECIALTIES AND SPECIALIZATION

The Institute conducts training of experts  
of three educational qualification levels:  
Specialist  
Bachelor  
Junior Specialist.

#### Mechanization in Agriculture

#### Power Engineering in Agricultural Production

#### Management of Organizations

#### Accounting and Audit

#### Organization of Production

#### Accounting

#### Power Engineering and Automation in Agriculture

## COLLEGES AND TECHNICAL SCHOOLS

### MEMISHAIVD ODETSKIY AGRICULTURAL COLLEGE



Director of the College  
Excellent Educator of Ukraine  
Valeriy M. Kostenko

#### ADDRESS OF THE COLLEGE

1 Technikumivska str.  
Nemishaivno 1,  
Borodyanka region, Kyiv oblast,  
07854, Ukraine  
tel. +38 (277) 4 14 55  
fax +38 (277) 4 11 55

The College conducts training of experts  
of two educational qualification levels:  
Bachelor  
Junior Specialist

- Agronomy
- Mechanization in Agriculture
- Power Engineering in Agricultural Production
- Organization of Production
- Animal Science
- Veterinary Medicine
- Power Engineering and Automation in Agriculture
- Servicing and Mending of Electrical Equipment for Automobiles and Tractors

### ZALISHCHYKY STATE AGRICULTURAL COLLEGE NAMED AFTER E. KHRAPLYVY



Director of the College  
Excellent Educator of Ukraine,  
Honorary Scientist of Ukraine  
in the field of education  
Mykhaylo I. Olynyk

#### ADDRESS OF THE COLLEGE

52a Krushelnytskoyi str.,  
Zalishchyky, Ternopil oblast,  
48600, Ukraine  
tel./fax: +38 (03554) 2-12-32  
e-mail: labor@exnauza.te.ua

The College conducts training of experts  
of two educational qualification levels:  
Bachelor  
Junior Specialist

- Ag Chemistry and Soil Science
- Fruit and Vegetable Science and Viticulture
- Accounting and Audit
- Economics of Enterprises
- Accounting
- Commercial Activity
- Agronomy
- Applied Ecology
- Organization and Technology of Farm Keeping

### IRPIN ECONOMICAL COLLEGE



Director of the College  
PhD in Economics, Associate Professor,  
Sergiy I. Mykhailov

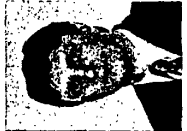
#### ADDRESS OF THE COLLEGE

9 Gagarina str., Irpin, Kyiv oblast, 08200, Ukraine  
tel.: +38 (297) 16-20-04; fax: +38 (297) 16-20-03  
www.colledge.kiev.ua  
e-mail: office@colledge.kiev.ua

The College conducts training of experts  
of two educational qualification levels:  
Bachelor  
Junior Specialist

- Accounting and Audit
- Economics of Enterprises
- Accounting
- Commodity Research and Commercial Activity
- Finance

### BOYARKA AGRICULTURAL TECHNICAL SCHOOL



Director of the Technical School,  
PhD in Engineering, Associate Professor  
Sergiy V. Kravchyk

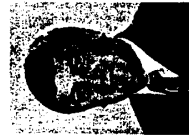
#### ADDRESS OF THE COLLEGE

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Kyiv oblast, 08152, Ukraine  
tel./fax: +38 (298) 3-53-89

The Technical School conducts training of experts  
of the educational qualification level "Junior Specialist".

- Organization of Production
- Land Management
- Applied Ecology
- Agronomy
- Planting of Greenery and Park-Gardening

## AGRONOMY RESEARCH STATION



Director of the Station  
Valeriy A. Furman

Agronomy Research Station was organized in May 1956 based on a department of the State farm of Salyvankovsky sugar beet industrial complex.

In March 1986, it was reorganized into Agronomy research station of NAUO, with the aim to create a center for specialists' practical training, providing of research work and demonstration of a model of excellent farm management.

The Station is divided into scientific and production departments. Effective researches are conducted here by the staff of the Department Chairs of Farming, Plant Growing, Forcifer Production, Seed Selection and Genetics, Agrochemistry, Phytopatolology, Feeding of Agricultural Animals.

Address: Ukraine, 08144 Kyiv region, Vasylykivsky district, vill. Pshenychnye; tel.: +38 (04471) 4-45-31

Many of the scientific projects were introduced in production. The Station grows and rears the highest quality serech of grain crops. On the base of scientific researches, which were conducted on the stuble fields, 11 doctors, and tens of PhD's dissertations were prepared. High yields of agricultural crops and milk are gotten at the Station every year.

Agronomy Research Station is the basis for practical training of University students, where more than 500 students have their training and productive practices during 7 months. For managing of this important part of studying process the department chair of Practical Studies was established.

## TRAINING AND RESEARCH FARM "VELYKOSNITYNSKE"



Director of the Farm  
Oleksiy S. Obel'sky

It was organized in 1972 on the basis of State farm "Velykosnitynske". Its first director was Los V.V. Muzychenko Oleksandr Vasylyovych was the director of the Farm during almost 20 years, and now the director of the farm is a graduate of the University Obel'sky Oleksiy Sergiyovych. Modern Farm is technologically connected with studying process in the system of agricultural specialists training and with other spheres of Agriculture with the aim of practical students training, conducting of production and commercial activities and holding of scientific researches.

Address: Ukraine, 08540 Kyiv region, Fastivsky district, vill. Smitynka; tel.: +38 (04465) 4-46-10

Total land area of it is 3762 ha of black soils, including 3310 ha of ploughed fields, sowing area of which is 3147 ha. The farm usually gets high yields of grain, technical and forage crops, has developed and high productive animal breeding.

On the basis of the Farm there is a department chair of Practical Studies of Technical Education and Research Institute.

## TRAINING AND RESEARCH FARM "VORZEL"



Director of the Farm  
Mykola V. Luchko

Training and Research Farm "Vorzel" was established in 1998, before that time on initiative of Professor Pshenychny P.D. and Svechkin K.B. it had a status of Livestock Production Research Station.

Under general leadership of Professor Svechkin K.B., during 1961-1981 the staff of the Farm, faculties of Veterinary Medicine and Animal Science published 10 volumes of works, in which specialties of forming of cattle meat

Address: Ukraine, 08296 Kyiv region, Vorzel, 2 Krupska street; tel.: +38 (067) 915-88-96

productivity of different breeds and in different levels of energetic feeding and keeping were showed.

The staff of the Farm develops technology of variable animals feeding for intensive beef cattle breeding, which was adopted by the Ministry of Agriculture of Ukraine, created Ukrainian beef breed (Ugriwenko A.M., Tkachuk V.M.). On the basis of Farm materials under supervising of Professor Svechkin K.B. 8 doctors and 52 PhDs works were defended.

## BOYARKA FORESTRY RESEARCH STATION



Director of the Station  
Vasyly O. Rybak

Its history begins from Boyarka Forestry, which was organized at the same time with establishing of Forestry Engineering faculty of Kiev Agricultural Institute (1925).

Boyarka FRS is situated in the Southern part of Ukrainian Polissya (North of Ukraine) where it borders with Lisostep (Center of Ukraine). Total area of Station forest fund is 18 thousands ha, forest areas are situated on the banks of Irpin river and play a very important role of field and soil protection, water protection and regulation, sanitary-hygiene and esthetic.

Address: Ukraine, 08150 Kyiv region, Kyiv-Svyatoshynsky district, vill. Boyarka, 12 Lisodosidna str.; tel.: +38(04498) 3-54-61

During 35 years scientific staff of Boyarka FRS together with University staff and students under the leading of teachers and professors developed and successfully implemented into production more than 80 different works on problems of Forestry, Agriculture and Environment Protection.

Development and implementation of new foresting technologies of lands which are not good for Agriculture is an important sphere of scientific work with the aim of improving ecological situation and examining of causes of forest exsiccation. 4 doctors and 16 PhDs dissertations were defended on the basis of scientific materials with using of Station objects. Every year many students' diplomas are defended.



3	THE HISTORY OF NAUJ	26	EDUCATION AND RESEARCH INSTITUTE OF BUSINESS
4	ORGANIZATIONAL CHART OF NATIONAL AGRICULTURAL UNIVERSITY OF UKRAINE	28	EDUCATION AND RESEARCH TECHNICAL INSTITUTE
5	ADMINISTRATION OF NAUJ	30	EDUCATION AND RESEARCH INSTITUTE OF FORESTRY AND PARK-GARDENING
6	CONCEPTIONS AND TARGETS OF EDUCATIONAL ACTIVITY OF NAUJ	32	EDUCATION AND RESEARCH INSTITUTE OF LAND RESOURCES, LAW AND SOCIAL PEDAGOGY
7	AREAS AND SPECIALTIES OF TRAINING	34	INSTITUTE OF CONTINUING EDUCATION
8	SCHEME OF LEVEL EDUCATION IN NAUJ	34	MILITARY TRAINING FACULTY
9	MASTER PROGRAMMES	35	REGIONAL HIGHER EDUCATIONAL INSTITUTIONS OF NAUJ
10	POSTGRADUATE AND DOCTORAL EDUCATION	35	INSTITUTES
11	SCIENTIFIC POTENTIAL OF THE UNIVERSITY	35	BEREZHANY AG TECHNICAL INSTITUTE
12	DEPARTMENT OF EXTENSION AND INFORMATIONAL SUPPORT FOR AGRICULTURAL PRODUCTION	35	NIZHYN AG TECHNICAL INSTITUTE
13	EDUCATION AND INFORMATION CENTER OF COMPUTER TECHNOLOGIES	36	COLLEGES AND TECHNICAL SCHOOLS
14	INTERNATIONAL PARTNERS	36	NEMISHAEVO STATE AGRICULTURAL COLLEGE
15	INTERNATIONAL COLLABORATION	36	ZALISHCHYKY STATE AGRICULTURAL COLLEGE NAMED AFTER E. KHRAPLYWY
16	STUDENTS LIFE	36	IRPIN ECONOMICAL COLLEGE
17	PHYSICAL TRAINING AND SPORT	36	BOYARKA AGRICULTURAL TECHNICAL SCHOOL
18	EDUCATION AND RESEARCH INSTITUTES OF KYV CENTER OF NAUJ	37	RESEARCH STATIONS AND TRAINING FARMS
18	EDUCATION AND RESEARCH INSTITUTE OF NATURAL SCIENCES AND LIBERAL ARTS	37	AGRONOMY RESEARCH STATION
20	EDUCATION AND RESEARCH INSTITUTE OF PLANT SCIENCE, SOIL SCIENCE AND ECOLOGY	37	TRAINING AND RESEARCH FARM "VELYKOSNITYNSKE"
22	EDUCATION AND RESEARCH INSTITUTE OF ANIMAL SCIENCE AND WATER BIORESOURCES	37	TRAINING AND RESEARCH FARM "VORZEL"
24	EDUCATION AND RESEARCH INSTITUTE OF VETERINARY MEDICINE, QUALITY AND SAFETY OF AGRICULTURAL PRODUCTION	37	BOYARKA FORESTRY RESEARCH STATION
		39	GLOBAL CONSORTIUM OF HIGHER EDUCATION AND RESEARCH FOR AGRICULTURE



# GLOBAL CONSORTIUM OF HIGHER EDUCATION AND RESEARCH FOR AGRICULTURE

Global Consortium of Higher Education and Research for Agriculture was created by Iowa State University (USA), National Agricultural University (Ukraine) and Humboldt University of Berlin (Germany) during the International Conference "Globalization of Higher Agricultural Education and Science: Challenges and Perspectives", dedicated to 100-year Anniversary of NAUJ (Kyiv, 1998).

President of Iowa State University (USA), Professor  
Dr. Martin C. Jischke was elected as the first President  
of GCHERA

Rector of National Agricultural University of Ukraine,  
Professor Dmytro O. Melnychuk has become the  
Second President of the Consortium (since 2001).

## **GCHERA Mission**

The mission of the Consortium is to foster global cooperation for the improvement of higher education and research for agriculture as a prerequisite to solving the food security and environmental problems confronting our world.

## **GCHERA Targets**

- develop and share models of curricula and syllabi for training professionals in the field of agriculture;
- conduct international scientific conferences on topics of critical importance;
- assist members of GCHERA in the reform and alignment of curricula;
- promote the exchange of faculty and students;
- foster and support activities of professional unions by interests (work-shops);
- organize international schools of professional improvement for university administrators and faculty;
- implement and disseminate up-to-date achievements in applying fundamental and applied sciences and information technologies in teaching.

## **GCHERA Goals**

Development of a world system of cooperation in higher education and research for agriculture utilizing conferences, working groups, and new information technologies to facilitate interaction on a global scale;

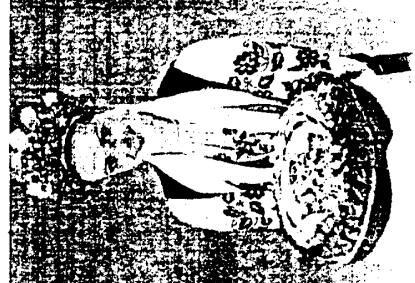
Support activities and close cooperation with international organizations in the areas of international education, and agricultural research and development.

# INVITATION

The Third  
Global Conference  
of GCHERA  
September 22-24, 2003,  
Kyiv, Ukraine



**Global Reforms  
in Higher Agricultural  
Education and Research:  
Responding to Challenges to Quality  
and Safety of Food  
and Agricultural Products**



# DRAWING OF THE CAMPUS OF NATIONAL AGRICULTURAL UNIVERSITY IN KYIV

## Legend

- 1-12 Educational buildings No. 1-12
- 13 Military Department
- 14 Botanical garden, Department of Dendrology
- 15 Cafe
- 16 Hostel No. 1
- 17 Hostel No. 10 and 11
- 18 Hostel No. 9
- 19 Hostel No. 12, hotel
- 20 Hostel No. 2,3 and 8

## CONTACTS

### Admission Committee

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### Graduate Center

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