

INFORMATION FOR PARTICIPANTS

EUROPEAN SATELLITE NAVIGATION COMPETITION 2008

01 May - 31 July

powered by **TP-Systems**

Submit your application information form: 1st May to 31st July 2008
www.esa-navigators.com

ESA

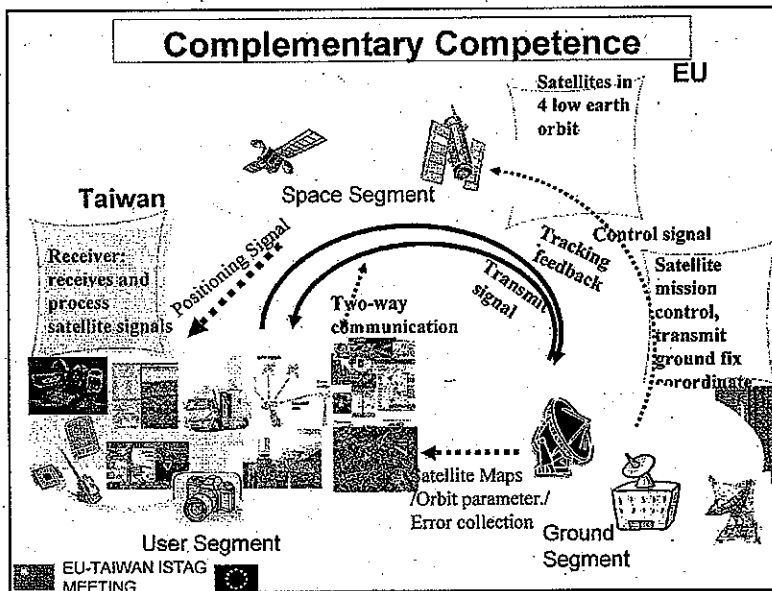
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GLOBAL CHALLENGE
 The competition is open to all students and teachers from all countries.

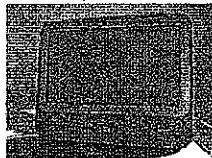
GLOBAL PRIZES
 The winners will receive a cash prize and a trip to the European Space Agency.

GLOBAL PARTNERS
 The competition is supported by the European Space Agency, TP-Systems, and other partners.

GLOBAL NETWORK
 The competition is supported by a network of partners from all over the world.



Joining EU research in eco-design of future ICT products



Participation in EU-FP7 project (AUO): Towards Zero Waste in Industrial Networks - ZeroWIN

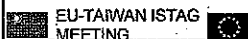
- Large scale integrating project with 30 partners from 11 countries. Duration: May 1, 2009 – April 30, 2014. Budget: 8,5 million €

Objectives (selection):

- Development of waste prevention methodologies and strategies for:
 - High-tech products (flat panel products and photovoltaic systems)
 - Construction sector
 - Automotive sector

Goals (selection):

- A methodological approach for a Design-for-Recycling stakeholder process for product-related zero waste entrepreneurship
- A best practice design guideline and roadmap for flat panel display products



Demonstrating Life-Cycle Assessment with European SMEs



Boosting Life Cycle Assessment Use in European Small and Medium-sized Enterprises: (UMC, ITRI)

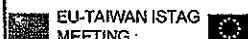
- Serving Needs of Innovative Key Sectors with Smart Methods and Tools – LCA to go
- 18 partners from 9 countries, duration: January 1, 2011-December 31, 2014. Budget: 5 millions

Target sectors

- Industrial machinery
- Sensors
- Smart textiles
- Renewable energy
- Bio-based plastics
- Electronics: Semiconductors / Passive Components / Printed Circuit Boards

Roles of Taiwanese partners:

- Joint development of a parameterised data model for provision of semiconductor related environmental data
- Serving needs of the (European) customer base
- Internationally harmonised approach



Taiwan's participation in the 7th Research Framework Programme: LCA to go

Participants		Nationality		Sector		Main research topic	
RTD partners							
1	Fraunhofer	DE	Sectoral	RTD renew. energies, electronics, sensors			
2	ITR	PL	LCA and	RTD printed circuit boards			
3	TUW	AT	technology	RTD industrial machinery			
4	TUD	NL	expertise	RTD smart textiles			
7	ITENE	ES		RTD bio-based plastics			
5	EDC	UK	RTD intersectoral approaches				
5	Simple	ES	RTD open source software				
SME multipliers							
8	SIRIS	BE	Dissemination	Belgium			
9	GAPA	ES	Dissemination	Basque Country			
AP	Enterprise Ireland	IE	Dissemination	Ireland			
Case study SMEs							
12	ELDOS	PL	Supplier case study	printed circuit boards			
10	MicroPro	IE	Product case study	electronics			
11	FutureShape	DE	Product case study	smart textiles			
14	TTA	ES	Product case study	photovoltaics			
15	VALSAY	ES	Product case study	bio-based plastics			
16	CDAMC	IE	Product case study	Industrial machinery			
13	TAIPRO	BE	System case study	sensors			
International partners							
17	ITRI	TW	RTD semiconductors, Internat. harmonisation				
18	UMC	TW	RTD semiconductors (manufacturers)				

EU-TAIWAN ISTAG MEETING

Conclusions

- All the stakeholders on board: Innovation Union
 - MNCs' from EU & Taiwan
 - Developing their innovation supply chain in both regions such as: ASML, Siemens, Air Liquide, Bayer, Delta, AUO, D-Link, Quanta etc...
 - MOEA + NSC → RTO + universities and research programs
- Mechanism of cooperation: Coordinated Calls
- Cross-boarder Innovation ecosystems:
 - Complementary strength in joint-innovation,
 - Share key technologies, manufacturing roots, rapid prototyping, global supply chain to achieve speed to markets, speed to volume,
 - Tackle global grand challenges

EU-TAIWAN ISTAG MEETING

Thank you !

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