肆、附錄

附錄一 行程方案



EUROPEAN UNION VISITORS PROGRAMME



附着是



Programme for Brussels

Ms Wan-Yi CHANG

Director General
Household Registration for
Taiwan's Ministry of Interior Affairs
TAIWAN

Monday 22nd to Friday 26th June 2015



Sunday 21st June

Welcome to Brussels!

Your appointed Programme Organiser during your stay will be Mr Vitor BRAGA, contact number: +32 (0)2 29 95167

AIRPORT TRANSFER

On arrival at Brussels National Airport (Zaventem), please make your own way to the **Hotel Silken Berlaymont Brussels**, either by taxi or by public transport.

TRANSFER TO YOUR HOTEL

Option 1:

Upon arrival, you can take the $\underline{\text{metro}}$ (follow the "M" signs and take the escalator down to -1 level. .

Then take the metro from GARE DU MIDI / ZUIDSTATION (changing line at ARTS-LOI) to SCHUMAN.

Arriving at SCHUMAN metro stop, it is less than a 5 minute walk to your hotel. See metro map attached.

Option 2:

Alternatively, you can take a <u>taxi</u> to your hotel. If you decide to take a taxi, make sure to only use licensed taxis. They can be recognised by their blue & yellow sign at the front of the car.

Do not under any circumstances accept a ride from anyone approaching you in the Hall of the station, even if they claim to be a licensed taxi driver.

More information about Brussels Airport can be found at the following site :

http://www.brusselsairport.be

Sunday 21st June

Please note that:

- accommodation has been reserved for you for at the Hotel Silken Berlaymont Brussels for 6 nights.

 you can only claim the lump sum allowance** (see the last page for details) if you stay in the hotel reserved for you by the EUVP Unit.

Hotel Silken Berlayamont Brussels Boulevard Charlemagne 11-19 B-1000 Brussels ☎ + 32 (0)2-2310909



Please find MAP attached

EUVP Blue Baq:

A blue bag containing your programme, maps and general useful information about the programme and about Brussels will be waiting for you at the hotel. If you have not received the blue bag upon your arrival, please ask for it at the reception.

Message delivering at the hotel:

Messages for visitors, envelopes or faxes are delivered to visitors on check-in at the reception. After that, a message is put on the TV or telephone in your room to let you know that you have a message/envelope/fax to collect from the reception.

Please make sure that you check messages on the TV or directly at the reception.

Urgent messages or faxes will also be put under your door in your hotel room.

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 2/386, B-1046 Brussels, Belgium Phone: (+32)-(0)2-29-95167 - Mobile +32 473 86 42 49 - Email: <u>vitor.braga@europarl.europa.eu</u>

Ms Wan-Yi CHANG

Sunday 21st June

EUVP PROGRAMME

Important Notice!

If for any reason you are unable to attend a particular meeting, please notify the EUVP Secretariat <u>in advance</u> so that we can inform the person concerned.

Failure to attend a meeting without explanation can jeopardise our relations with valuable interlocutors, who may then be less willing to meet future EUVP participants.

If you think you will be late for a meeting please inform in advance the person you will be meeting (all the telephone numbers of your interlocutors are included in your programme).

Thank you for your understanding.

Beatriz OLIVEIRA-GOUMAS

Head of the EUVP Secretariat

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02386, B-1046 Brussels, Belgium -Phone (+32-2) 29 *95167*

Monday, 22nd June

Welcome to the EUVP!

09.15 Please wait in the lobby of your hotel, together with the other EUVP visitors.

Hotel Silken Berlayamont Brussels Boulevard Charlemagne 11-19 1000 Brussels ☎ +32 (0)2-2310909



Name	Title	Country	
Ms Thi Khanh NGUY	Executive Director; Green Innovation and Development Centre	Vietnam U.S.A.	
Ms Stacie PETTYJOHN	Political Scientist, Rand Corporation		
Ms Manisha SUBEDI POKHREL	Project Manager	Nepal	
Mr Safo SAFAROV	Adviser, Department of Political Affairs, Presidential Administration AR	Tajikistan	

Please bring your programme, documents, and passport.

A member of the EUVP will be there to meet you and to accompany you to the EUVP Unit.

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02/386, B-1046 Brussels, Belgium Phone: (+22)-(0)2-29-95167 - Mobile +32 473 86 42 49 - Email: <u>vitor.braga@europarl.europa.eu</u>

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Ms Wan-Yi CHANG

Monday, 22nd June

09.30 Welcome by Ms Beatriz OLIVEIRA-GOUMAS, Head of the EUVP Unit to introduce the visitors and Programme, followed by a detailed briefing of your programme with Mr Vitor BRAGA, your Programme Organiser.

European Union Visitors Programme EEAS building , office: 02/386 Rondpoint Schuman 9A B-1046 Brussels \$\text{2} +32 (0)2 29 95167



10.45 You will be accompanied to the Bank by a member of the EUVP Unit to collect your forfeit allowance which will cover your expenses for the duration of your visit.

FORTIS BANK
Rond Point Schuman 10
1040 Brussels
\$\frac{1}{2}\$ (0) 2 234 66 70
\text{www.fortisbank.com}



Before proceeding, you may wish to already pay the hotel and leave the rest of the money in the safe in your hotel room.

12.00 Please wait with the other EUVP visitors in the lobby of your hotel.

A member of the EUVP Unit will collect you and escort you to the lunch. Joint lunch at the invitation of the EUVP.

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02386, B-1046 Brussels, Belgium – Phone (+32-2) 29 98167

Monday, 22nd June

14.00 Photo shoot, together with the other EUVP visitors.

Please walk together with the other EUVP visitors to your next meeting. This is a joint meeting with the other EUVP visitors.

14.30 Joint meeting and general introduction to the EU institutions by Mr Klaus HULLMANN, Administrator in the Visitors' Service in the Unit for Events, Fora and Open Days in the Directorate for Press, Communication and Events of the Committee of the Regions.

The other EUVP visitors will also attend this meeting.

Committee of the Regions Jacques Delors building Room JDE 7162
Rue Belliard, 101
1040 Brussels
\$\times +32 (0)2 282 21 24



15.30 Please walk together with your other EUVP fellow to your next meeting at the PARLAMENTARIUM, the Visitors' Centre of the European Parliament



Opening hours: Monday: 13:00 - 18:00 Tuesday 09:00 - 18:00 Wednesday 09:00 - 18:00 Thursday 09:00 - 18:00 Friday 09:00 - 18:00 Saturday 10:00 - 18:00 Sunday 10:00 - 18:00

EUROPEAN UNION VISITORS PROGRAMME
9A Rond Point Schuman (EEAS building, LOI - office 02/386, B-1046 Brussels, Belgium
Phone: (-32)-(0)2-29-95167 - Mobille +32 473 86 42 49 - Email: vitor.praga@europarl.europa.eu

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Ms Wan-Yi CHANG

Monday, 22nd June

16:00 Visit of the PARLAMENTARIUM, the visitors' centre of the European Parliament.

Willy Brandt Building Rue Wiertz 60 1047 Brussels ☎ +32 (0)2 28 32 22 parlamentarium@europarl.europa.eu



Dynamic, interactive multimedia displays guide our visitors through the journey of European integration and the impact this has on our everyday lives. The Centre caters to all 24 official languages of the European Union.

A stunning 360-degree digital surround screen takes visitors into the heart of European Parliament action. There we learn about the Members of Parliament. A touch screen application allows us to find out more about the Members of the European Parliament who are our democratically elected representatives.

We take a virtual trip through Europe, finding out along the way what contribution the European Union has made to each of the Member States. We also hear accounts by Europeans of what the Union means to them.

Tuesday, 23rd June

- 09.45 Please walk to your first appointment of the day.
- 10:00 Meeting with Mr Wester MEIJDAM, Seconded National Expert working for the Netherlands Government within the Directorate-General for Justice of the European Commission.

European Commission
LX46 building, office 01/150
Rue de Luxembourg 46
B-1049 Brussels
\$\alpha\$ +32 (0)2 29 84137

Discussion on international criminal justice and human rights policies.

Please walk to your next meeting, at the EEAS building.

You are free for lunch.

A short walk to your next appointment.

15:00 Meeting with Mr Steven EVERTS, Adviser on ASEAN in the Division for Asia and the Pacific of the European External Action Service.

This meeting is to discuss EU-ASEAN and ASEM issues.

European External Action Service EEAS building, office 05/564 Rond-point Schuman 9A B-1046 Brussels +32 2584-2891



From the EEAS reception, please contact: Ms Agnieszka SZCZESNIAK, Assistant to Mr Steven Everts - \$\alpha\$ +32 2584 28 11.

EUROPEAN UNION VISITORS PROGRAMME
9A Rond Point Schuman (EEAS building, LOI - office 02/386, B-1046 Brussels, Belgium
Phone: (+322)-(0)2-29-95167 - Mobile +32 4/73 86 42 49 - Email: vitor.braga@europarl.europa.eu

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Ms Wan-Yi CHANG

Tuesday, 23rd June

Another short walk to your last appointment of the day.

COUNCIL



17:00 Meeting with Mr Andrés TOBIAS Y RUBIO, Administrator in the Unit for Environment-related issues, in particular from an international perspective in the Secretariat General of the Council of the European Union

COUNCIL OF THE EUROPEAN UNION Justus Lipsius building Rue de la Loi, 175 B-1048 Bruxelles \$\rightarrow{2} +32 (0)2 28 1 7006 E-mail : andres.tobiasu@consilium.europa.eu www.consilium.europa.eu

Please bring **your passport** with you. Mr Tobias will transmit your details to the Security Office in order to process your access badge.

Wednesday, 24th June

- Please take the <u>Metro from SCHUMAN</u> to <u>BEAULIEU</u> station. (direction Hermann-Debroux line 2). 9:25
- 10:00 Meeting with Mr Dalwon KIM, Policy Officer at the Unit for International Carbon Market, Aviation and Maritime of the Directorate General for Environment of the European Commission.

EUROPEAN COMMISSION 24, Avenue de Beaulieu Office: 00/064 B-1160 Auderghem 2 +32 (0)2 29 72051 E-mail: dalwon.kim@ec.europa.eu

Discussion on emissions trading and carbon market cooperation, EU's 2030 greenhouse gas emissions reduction target, EU emissions trading system, and carbon market cooperation with other countries such as China and Korea.

Please take the Metro from BEAULIEU station to SCHUMAN station.

You are free for the afternoon.

Cultural Activities

The afternoon is reserved for cultural activities. A city tour of Brussels has been organised to visit the main touristic attractions of the city.

Bus Tour

- Your programme organiser will provide your ticket in advance. The ticket is valid for 24 hours.
 Please meet the other EUVP visitors in the lobby of your hotel.
 Take the metro together from SCHUMAN to GARE CENTRALE (Central Station).
 Directly outside the main entrance of the Central Station (GARE CENTRALE) please take one of the red double-decker "City discovery" hop-on, hop-off buses.

The total length of the tour if you do both loops is 75 minutes.

Website: http://www.city-discovery.com/brussels/tour.php?id=2972

EUROPEAN UNION VISITORS PROGRAMME
9A Rond Point Schuman (EEAS building, LOI - office 02/386, B-1046 Brussels, Belgium Phone: (+329)-(0)2-29-95167 - Mobile +32 4/73 86 42 49 - Email: vitor.braga@europari.europa.eu

Ms Wan-Yi CHANG

Thursday, 25th June

Please walk to your first meet of the day.

09:30 Meeting with Mr Marc TARABELLA, Belgian Member of the European Parliament. Mr Tarabella is the Vice-Chairman of the Delegation for relations with the countries of Southeast Asia and the Association of Southeast Asian Members (ASEAN) and a Member of the Committee on Agriculture and Rural Development of the European Parliament.

European Parliament Building: <u>ASP</u> (Altiero Spinelli) Office: 11G115 Rue Wiertz, 60 B+1047 Brussels ≦+32 2 28 **47444** Emall: <u>marc.tarabella</u> @europarl.europa.eu

From the main reception of the ASP, please contact : **Ms Aurelie Polis,** Mr Marc TARABELLA's assistant - 曾 ext. 47444

Please walk to your next appointment.

Alternatively you may wish to take the metro from Shuman to Park Station.

12.30 Lunch at the invitation of Ms Anne VANDER STICHELE, Principal Adviser in the Committee Department, and Mr Michael VAN den NEST, Deputy Adviser in the Committee Department of the House of Representatives of the Belgian Federal Parliament.

House of Representatives of the Belgian Parliament /Chambre des Représentants Rue de Louvain, 13 (Visitors' Entrance) 1008 Brussels = +32 02/549.8127



Please ask for **Ms Anne VANDER STICHELE_**(Phone: 02 549 <u>80 79</u>) or **Mr Michael VAN den NEST** (Phone: 02 549 <u>85 74</u>) from the reception.

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02386, B-1046 Brussels, Belgium -Phone (+32-2) 29 95167

Thursday, 25th June

Please walk to your next appointment.

15:30 Meeting with Mr Everhardus JACOBSEN, Secretary of the LGBTI Intergroup at the European Parliament.

European Parliament Building: ASP - Office: ASP 05 E 266 Rue Wiertz, 75 1047 Brussels = +32 2 28 38395 (Office)

Discussion on the EP LGBTI intergroup, sex change and trans issues,

From the main reception of the ASP building, please call **Mr Everhardus JACOBSEN's secretariat -** cxt. 38395

Please walk to your last appointment of the day.



European Institute for Asian Studies asbl

17:00 Meeting with Mr Alberto TURKSTRA of the European Institute for Asian Studies, a leading think-tank specializing in EU-Asia relations.

European Institute for Asian Studies (EIAS) 67 Rue de la Loi B-1040 Brussels \$\frac{1}{2}\$ (0)2 230 B1 22 E-mail: alberto.turkstra@eias.org Email: eias@eias.org Web: http://www.eias.org

This meeting is to discuss EU-Asia relations.

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02/386, B-1046 Brussels, Belgium Phone: (+32)-(0)2-29-95167 - Mobile +32 473 86 42 49 - Email: <u>vitor.braga@europari.europa.eu</u>

Ms Wan-Yi CHANG

Friday, 26th June

Please walk to your first appointment of the day.

9:30 Meeting with **Mr Tobias MÜLLENSIEFEN**, Policy Officer for Visas at Unit for Visa Policies of the Directorate-General for Migration of Home Affairs of the European Commission.

European Commission LX46 building, office 04/107 Rue du Luxembourg 46 B-1049 Brussels = +32 (0)2 29 68998



Discussion on the economic aspects of visa (and immigration) policies.

Please walk to your next appointment.

11:00 Meeting with Mr Yves DUSSART, Policy Officer for Civil Protection Policy, Prevention, Preparedness and Disaster Risk Reduction in the Humanitarian Aid Office of the European Commission (ECHO) of the European Commission.

European Commission - ECHO J-79 building, office 07/0017 Rue Joseph II, 79 B-1049 Brussels → +32 (0)2 29 60529



From the main reception, please call Mr Yves DUSSART - 2 ext .60529

Please walk to your last appointment of your study tour.

12:10 Debriefing with Ms Beatriz OLIVEIRA-GOUMAS, Head of the EUVP Unit and with your Programme Organiser, Mr Vitor BRAGA.

European Union Visitors Programme (EUVP) Building: EEAS Office: LOI 02/386 Rond-point/Robert Schuman, 9A 1046 Brussels \$\alpha\$ +32 (0)2 29 95167



EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02386, B-1046 Brussels, Belgium -Phone (+32-2) 29 93167

**Financial Arrangements:

During your stay in Brussels, Strasbourg or anywhere else,

You will receive on your first working day a lump sum allowance to
cover your subsistence and hotel expenses for the duration of your visit,

You can only claim the total per diem if you stay in the Hotel reserved for you
by the EUVP Unit.

End of your EUVP STUDY TOUR.

2012 NOBEL PEACE PRIZE **European Union**

EUROPEAN UNION VISITORS PROGRAMME 9A Rond Point Schuman (EEAS building, LOI - office 02/386, B-1046 Brussels, Belgium Phone: (+232)-(0)2-29-95167 - Mobile +32 473 86 42 49 - Email: <u>vitor.braga@europarl.europa.eu</u>



EUVP

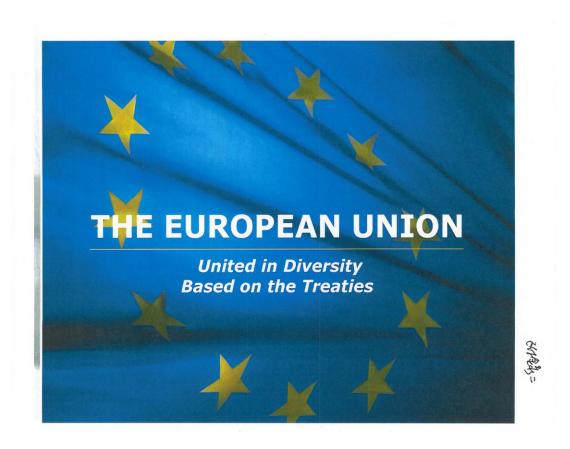
European Parliament Directorate-General for Communication European Commission Foreign Policy Instruments EEAS Building - LOI, 2nd floor - Office 322 Rond-Point Schuman, 9A 8-1046 Brussels +32(0) 2 29 65334 +32(0) 2 29 95209

euvp@ep.europa.eu
 euvp@ec.europa.eu

europarl.europa.eu/euvp europa.eu/euvp



附錄二 歐盟簡介簡報檔





1951:

European Coal and Steel Community

- In the aftermath of World War II, the aim was to secure peace among Europe's victorious and vanquished nations and bring them together as equals, cooperating within shared institutions.
- Based on a plan by French Foreign Minister Robert Schuman.
- Six founding countries Belgium, the Federal Republic of Germany, France, Italy, Luxembourg and the Netherlands – signed a treaty to run heavy industries (coal and steel) under common management.



Jean Monnet and other leaders with the first "European" ingot of steel

The European Union





Signing of the Treaty of Rome



1957:

Treaty of Rome

- The six founding countries expanded cooperation to other economic sectors, creating the European Economic Community (EEC) – or "common market."
- As a result, people, goods, services and capital today move freely across the Union.

1973

Denmark Ireland United Kingdom



The European Union

1951

Founding Members

Belgium France Germany Italy Luxembourg Netherlands



1981

Greece



The European Union



1986

Portugal Spain



November 1989

Fall of the Berlin Wall sets the stage for unifying Europe and EU enlargement



The European Union

1995

Austria Finland Sweden



2004

Cyprus
Czech Republic
Estonia
Hungary
Latvia
Lithuania
Malta
Poland
Slovakia
Slovenia



The European Union (



2007

Bulgaria Romania





Croatia





"Enlargement has been a success story for the

Europe as a whole. It has

helped to overcome the division of Europe and

contributed to peace and

stability throughout the

continent."

European Union and

The European Union (



More than 50 Years of EU Integration

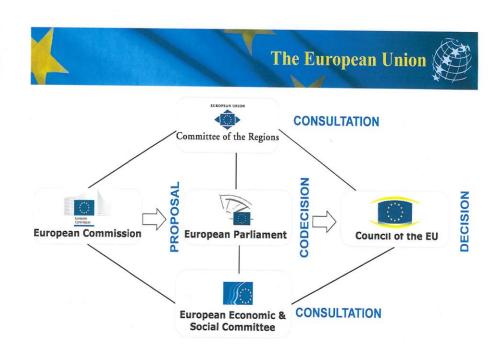
Enlargement has:

- Inspired reforms and consolidated common principles of liberty, democracy, respect for human rights, fundamental freedoms, the rule of law, and market economy.
- · Enhanced the EU's weight in the world and made it a stronger and more attractive international partner.

European Council Declaration Dec. 15, 2006

	1957	2013
Member States	6	28
Population	174 million	497 million
Languages	4	24







Decision making process

Commission proposed food labelling rules in 2008for more

2008for more transparency



Council followed Parliament's proposal to oblige producers to declare the use of palm oil

Palm oil suffers from a bad image



For this reason food industry emphasizes the use of cacao butter in chocolate





- EU's executive branch proposes legislation (initiative),
- manages Union's day-to-day business and budget (executive),
- enforces the rules ("watch dog").
- Negotiates trade agreements and manages Europe's multilateral development cooperation (external representation).





Commission has the right of initiative: eg. Regulation EC 261/2004 Rights of Passengers

Commission proposed a better protection of passengers. In the case of cancellation, overbooking, long delay, etc. financial compensation should be given

http://ec.europa.eu/transport/themes/passengers/air/



Commission has the right of "execution": Revamped Tallinn Airport, Estonia (Cohesion Fund: €24 million)





Commission serves as a "watch dog" for EU interest and go to the ECJ

Save the hamster: France was sentenced to protect the wildlife and nature as foreseen by the EU treaties





Independence of the Legal System:

Forced retirement of judges due to a change in Hungarian Law at the age of 62 was refused by the ECJ as a non respect of the Independence of Jurisdiction granted by EU law

The European Union

Representation of EU interests beyond the borders



Commission negotiates trade agreements and manages Europe's multilateral development cooperation



EU Institutions

Council of the European Union

- EU's main decision-making body, comprised of ministers of 28 Member States, representing Member State's point of view.
- Decides on foreign policy issues + many fields of EU legislation and budget with the EP.
- Council presidency rotates among Member States every six months.

The High Representative of the EU for Foreign Affairs and Security Policy is the main co-ordinator and representative of the Common Foreign and Sec. Policy within the EU



The European Council consists of the Heads of State or Government of the Member States and defines the general political directions of the FILE.

The European Union







European Parliament



EU Institutions

European Parliament

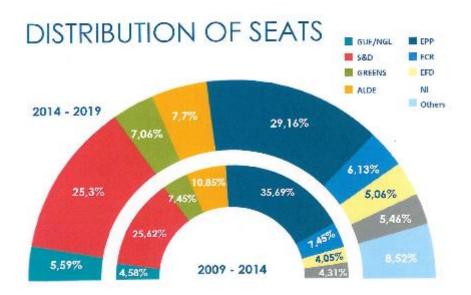
- Voice of European citizens members elected for five-year terms.
- With the Council, passes EU laws and adopts EU budgets.
- · Approves EU Commissioners.







Political Balance in European Parliament





EU Institutions

European Court of Justice

- Highest EU judicial authority.
- Ensures all EU laws are interpreted and applied correctly and uniformly.
- Can act as an independent policy maker but unlike the U.S. Supreme Court, the ECJ can only deal with matters covered by the Treaties.
- Infringement Procedures and Preliminary ruling are the most important actions



European Court of Justice

2

The euro was introduced in 1999

European Central Bank

- The European Central Bank (ECB) is the central bank for Europe's single currency, the euro.
- The ECB's main task is to maintain the euro's purchasing power and thus price stability in the euro area.
- The euro area comprises the 19 European Union countries that have introduced the euro since 1999.
- The ECB operates independently from Member State governments.

1

The European Union



European Court of Auditors

- -One member for each Member State appointed by the Council
- The primary role of the court is to externally check if the <u>budget of the European Union</u> has been implemented correctly, in that EU funds have been spent legally and with sound management





The European Economic and Social Committee:

A representation of the Civil Society of the European Union.



To give representatives of Civil Society a say over the drafting of EU legislation

To promote discussions about EU developments from the point of view of Civil Society





The European Union



The Committee of the Regions:

A political assembly of the European Union, representing local and regional government.



To give local and regional government a say over the drafting of EU legislation (70% of EU laws are implemented at local/regional level).

To bring Europe closer to its citizens and to encourage a culture of subsidiarity.

To provide a meeting place where regions and cities can share best practice and take part in a dialogue with the European institutions.





The Committee of the Regions:

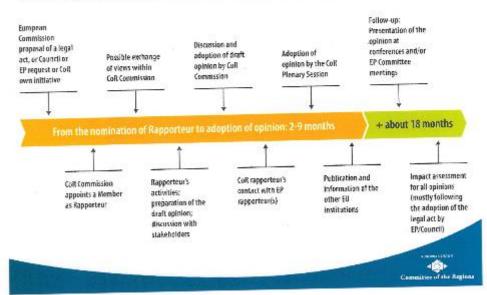
353 members plus 353 alternates

Germany, France, Italy, United Kingdom	24
Germany, France, Lang, Carres Amage	2
Poland, Spain	1
Romania	1
Austria, Belgium, Bulgaria, Czech Republic, Greece,	
Hungary, Netherlands, Portugal, Sweden	1
Denmark, Ireland, Finland, Slovakia, Lithuania, Croatia	
Estonia, Latvia, Slovenia	
Cyprus, Luxembourg	
Valta	



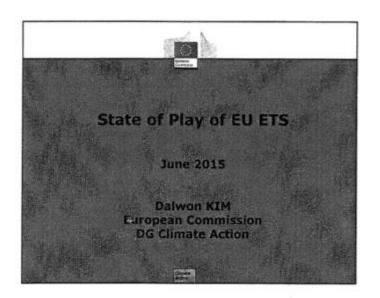
The European Union

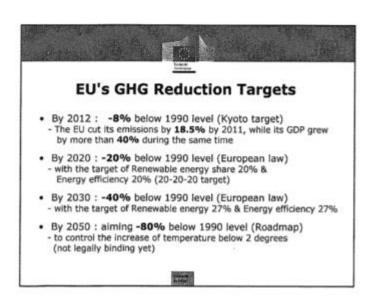
How CoR opinions are made and followed up

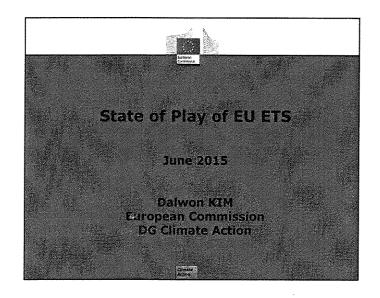


附錄三 歐盟碳排放、碳交易及能源政策簡報及相關宣導資料

B\$\$\$ = 2-



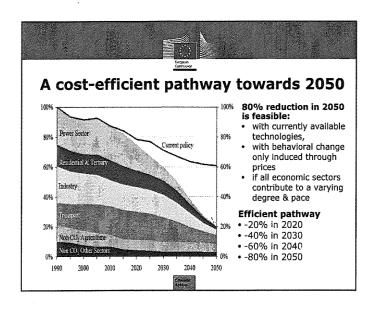




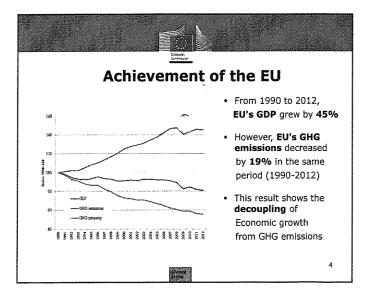


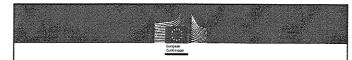
- By 2012: -8% below 1990 level (Kyoto target)
 The EU cut its emissions by 18.5% by 2011, while its GDP grew by more than 40% during the same time
- By 2020: -20% below 1990 level (European law)
 with the target of Renewable energy share 20% & Energy efficiency 20% (20-20-20 target)
- By 2030 : -40% below 1990 level (European law) with the target of Renewable energy 27% & Energy efficiency 27%
- By 2050 : aiming -80% below 1990 level (Roadmap) to control the increase of temperature below 2 degrees (not legally binding yet)











Concept of Emissions Trading Scheme

- · Logic of the Cap and Trade ETS System
 - gov't sets the maximum of emission (="cap", 'reduction target') for each company which emits GHGs like CO2
 - gov't gives each company the "allowances"
 - gov't also allows the companies to buy and sell the allowances (="trade")
 - then, company which has a low abatement cost reduce GHGs more than its reduction target and sells them to other company which has a high abatement cost. The other company buys the allowances rather than reduces GHGs because purchase is cheaper. ("win-win game")





- Geographical Scope
- : 28 EU member states
- + 3 EEA countries since 2008
- (Norway, Iceland, Liechtenstein)
 : Linking negotiation with **Switzerland** is on-going





Main Features of EU ETS

• Start: on 1st January 2005

Phases

- Phase 1 : 2005 - 2007 (3 years) : learning period - Phase 2 : 2008 - 2012 (5 years) = KP CP1 - Phase 3 : **2013 - 2020** (8 years) = KP CP2

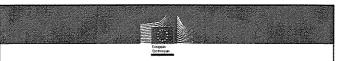
Coverage

- 2,084 MtCO2 (2013 cap)

: 45% of total emissions of 4,409 MtCO2

- more than ${\bf 11,000}$ energy-intensive installations including electricity & heat producers, iron & steel, cement, pulp & paper, glass...





Main Features of EU ETS

- Environmental ambition
 - mandatory ETS, absolutely cap, auctioning, benchmark...
- · Banking is allowed, but Borrowing is not allowed
- Penalty: €100/tCO2 + inflation rate for non-compliance
- - Domestic offsets are NOT allowed
 - Int'l offsets : CERs & ERUs are allowed. No credits from nuclear power & LULUCF
 - Limit : Up to 50% of the overall reductions over the period of 2008-2020.



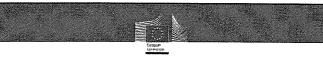


Phase 3 (2013-2020)

- Total Cap (emissions allowances)

 - 2013 cap of EU ETS: **2,084 MtCO2e** The cap decreases by **1.74%** annually until 2020
- Harmonised EU-wide Allocation Rule
 - no more NAPs, single EU-wide allocation rule
 - Auctioning is the default method of allocating allowance
 - Free allocation is based on benchmark, phasing out historical emissions (grandfathering)
 - More free allocation for the industrial sectors which are exposed to risk of outside competition (carbon leakage list)
 - Amount of free allowance (tCO2) = benchmark (tCO2/ton of Product) x historical production (ton of Product) x carbon leakage factor (0-1) x cross-sectoral correction factor (0-1)





Phase 3 (2013-2020)

- Large scale Auctioning in Phase 3
 - overall : more than 48% auctioning in 2013
 - for power sector: 100% auction (except 8 MSs)
 - for non-carbon leakage manufacturing industries

	2013	2020	2027
Auctioning	20%	70%	100%
Free Allocation	80%	30%	0%

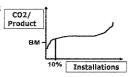
- for carbon leakage sectors
- : 0% auction, 100% free allocation based on benchmark



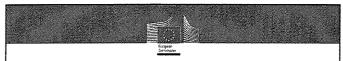


Phase 3 (2013-2020)

- Wide Benchmark
- Free allocation is now based on BM, no more grandfathering
- "one product, one benchmark" principle
- currently **52 BMs** for 20 industrial activities (covering 75% emissions)
- scale of Product BM : tCO2 / ton of Product
- average performance of 10% most GHG efficient installations in a certain sector or sub-sector (Benchmark Curve)
- only the most efficient installations in each sector receive enough free Product allowances they need
- Less efficient installations have to buy the short allowances through auction or at carbon market







Phase 3 (2013-2020)

- Three Criteria for Carbon Leakage Sectors
- additional production costs > 5%

(the extent to which the sum of direct and indirect additional costs induced by the EU ETS would lead to an increase of production cost, calculated as a proportion of the Gross Value Added)

& non-EU trade intensity > 10% OR (imports and exports of the sector with countries outside the EU)

- additional production costs > 30% OR
- non-EU trade intensity > 30%
- Carbon Leakage List
 - carbon leakage list for 2013-2014 was adopted in 2009
- new list for 2015-2019 will be prepared by the end of 2014

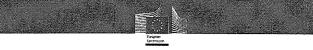




Phase 3 (2013-2020)

- · Limitation of Use of Offsets
 - CERs from only LDC countries are allowed
- No CERs from HFC-23 & adipic N2O CDM project
- No ERUs from countries without QELRCs under KP CP2
- Union Registry (2012-)
- Single "Union Registry" replaced national registries in 2012 more efficient, confidential and trustworthy
- · Expansion of scope
- included new GHGs such as PFCs and N2O

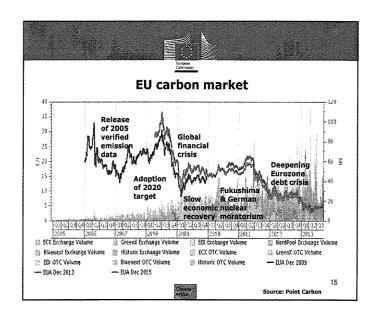


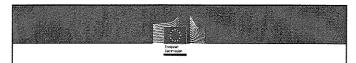


Aviation Sector (2012-)

- Inclusion of Aviation into EU ETS
- from 2012, all airline operators which have flights arriving at or departing from EU airports were included in the EU ETS
- non-EU countries like the US, Russia, China and India strongly opposed to the inclusion of their flight companies
- in Nov. 2012, EU **postponed ("Stop the Clock")** the implementation of ETS only for non-EU flights until the UN ICAO Assembly in Oct.
- in Oct. 2013, the ICAO agreed to prepare a global Market Based Measure (MBM) by 2016 for implementation from 2020
- in Oct. 2013, the European Commission (EC) proposed an amendment to include non-EU flights over EU airspace (exceptions: <1%)
- EC, EP and MS consider exemption of non-EU airlines until 2016 when the global MBM will be agreed in ICAO Assembly







EU carbon market

• Persistent market imbalance

- Surplus of almost 2 billion allowances (50% of annual cap)
- mainly due to the economic recessions and overflow of CERs & ERUs
- surplus is expected to grow to 2.6 bn at the end of phase 3 (2020) and to be maintained at 2.1 bn at the end of phase 4 $\,$

• Carbon market prices

- €3 when backloading proposal was rejected by the European Parliament in April 2013
- currently €7 (€30 in 2008 / €15 in 2010)
- too low to facilitate low carbon investments in companies





Linking & Int'l Cooperation

- agreed on linking with EU ETS in 2012. one-way in 2015, full link in 2018 after the gov't change in 2013, linking negotiation stopped

- mandatory ETS started in 2013, linking negotiation is on the way

- 7 ETS pilots in 2013 and 2014, considering national ETS
 EU's technical cooperation project (€5 million) from 2014 to 2016

- national ETS started on 1st Jan 2015, possible bilateral cooperation
 EU's technical cooperation project (€3.5 million) from 2015 to 2017

- building-up infrastructure for domestic market, possible bilateral cooperation

California & Quebec
 Linkage between the two states started on 1st Jan 2014



