

# Networking and harmonization in GMO analysis: EU efforts

2011-2012 progress in networking in GMO analysis and the GGAF



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**3<sup>rd</sup> International Workshop on  
Harmonisation of GMO Detection and Analysis  
for Central and South America**

**Cartagena, 3 - 4 July 2012**

# The Better Training for Safer Food Programme



**A DG SANCO training initiative for EU and third country officials who undertake controls on food safety and veterinary issues.**

**Legal basis: Article 51 of Regulation 882/2004**

## General aims

- High levels of competence and awareness of EU rules amongst official control staff
- Harmonised approach to Community and national control systems
- High levels of consumer protection, animal health and welfare and plant health
- Level playing field for food businesses
- Enhance trade of safe food



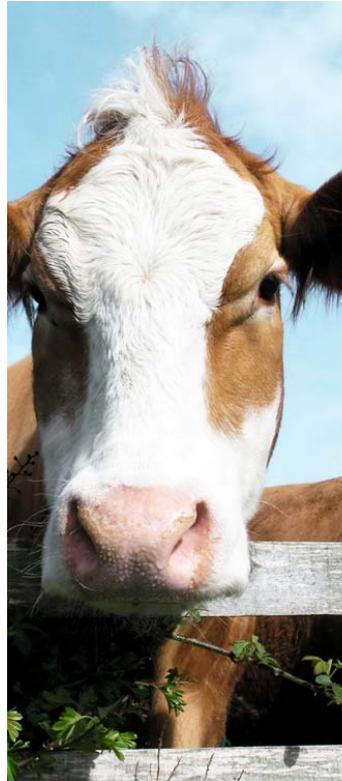
## Third country specific aims

- Ensure fair trade with third, particularly developing countries
- Help third countries to better understand and meet EU standards
- Reduce rejections at EU borders and the burden on EU border inspectors
- Safer food for third country consumers and a more diverse product range in the EU



## Areas covered:

- Food law
- Feed law
- Animal health rules
- Animal welfare rules
- Plant health rules



## Programmes (EU-third countries)

1. HACCP
2. Animal by Products
3. Animal Welfare
4. BIPs Airport/seaport/roads/rail
5. Zoonoses/microbiological criteria
6. Food Hygiene and Control
7. Food Contact Materials
8. Plant Protection Products
9. Plant Health Control
10. TSE
11. Food/feed of non-animal origin
12. Feed law
13. Animal Health Controls (Aquaculture)
14. Animal Health Controls (bees/zoo animals)
15. TRACES for EU Member States
16. Quality schemes
17. Audit systems
18. Support for EU controls
19. Food additives
20. Veterinary medicinal residues
21. Food contact materials
22. Contingency planning/animal disease control
23. Emerging animal diseases
24. Risk assessment
25. EU food standards
26. Avian Influenza
27. Food Testing/SPS issues
28. GMO analysis
29. RASFF and TRACES
30. Feed rules and import requirements
31. International standard-setting bodies

## **BTSF in figures 2006-11**

Around 660 events

More than 29.000 participants

Budget of approx. € 68 million

Approx 35% of this activity covers third countries

## **Training 2012**

Around 150 events

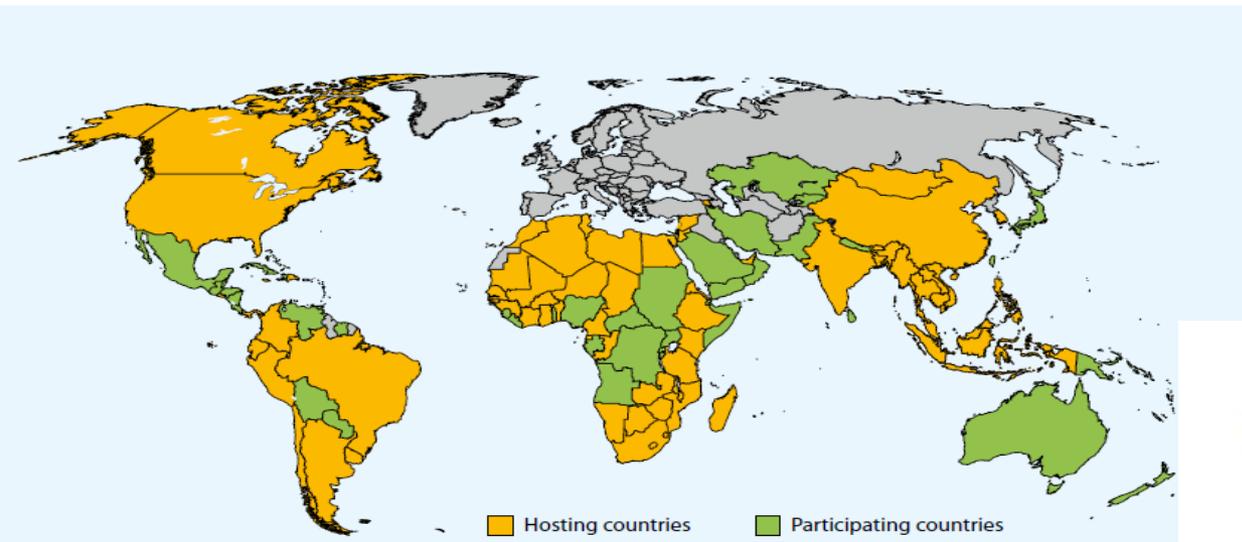
Approx 31 activities

Almost 7.000 participants

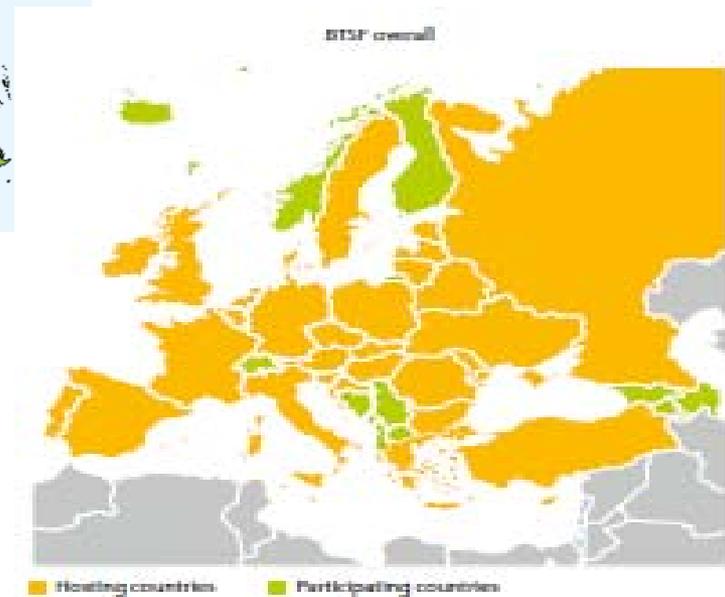
Budget of nearly € 15 million

## Hosting/participating countries 2006-present

BTSF overall



BTSF overall



## More information?

[http://ec.europa.eu/food/training\\_strategy/index\\_en.htm](http://ec.europa.eu/food/training_strategy/index_en.htm)

 **Food Safety - From the Farm to the Fork**
Important legal notice  
English ▾

EUROPA > European Commission > DG Health and Consumers > Overview
A to Z Index | Site Map | Search | Contact

### Training Strategy - Home

Better Training for Safer Food is a Commission training initiative covering food and feed law, animal health and welfare and plant health rules. It trains Member State and candidate country national authority staff involved in official controls in these areas.

This aims to keep participants up-to-date with Community law in these areas and should help to ensure more harmonised and efficient controls. Efficient controls are an essential factor in maintaining high levels of consumer protection, animal health and plant health. Harmonisation of controls should help to create a level playing field for food businesses.

Training is also organised specifically for third, particularly developing country participants so as to familiarise them with EU requirements. This should help to ease access to the EU market for products from developing countries.

Topics

- Home
- Overview
- Training programmes 2010
- Potential participants
- Potential tenderers
- News
- General information
- History
- Annual report 2008

### Recent News



**[Second import controls workshop takes place in Italy](#)**

The second in a series of three BTSF workshops on import controls on food and feed products of non-animal origin takes place in Pisa and Livorno, Italy on 23-26 March. Around 50 people are to attend from EU Member States, candidate and EFTA countries.

The training should provide participants with a solid knowledge of Community requirements for food and feed imports. This should improve implementation of EU legislation and contribute to developing best practices for controls on relevant products.

### Upcoming workshops

- 23-26 March: Veterinary and food safety checks in seaport border inspection posts, Southampton, UK
- 23-26 March: Controls of food and feed of non-animal origin, Livorno, Italy
- 30 March-2 April: Trade Control and Expert System (TRACES), Madagascar
- 12-14 April: Prevention, control and eradication of transmissible spongiform encephalopathies, Oldenburg/Wilhelmshaven, Germany
- 12-16 April: Food hygiene and controls of fishery products and live-bivalve molluscs, Santander, Spain
- 19-21 April: Prevention, control and eradication of transmissible spongiform encephalopathies, Oldenburg/Wilhelmshaven, Germany
- 19-23 April: Food hygiene and controls of milk and dairy products, Brescia, Italy
- 19-23 April: Better Training for Safer Food in Africa - regional food hygiene workshop for East Africa, Uganda
- 20-23 April: Official controls on food and feed of non-animal origin, Genoa, Italy

printable version





#### Resources

- Speeches
- Press Releases
- Publications
- Consultations
- Committees
- Events

#### International Affairs

- Organisations
- Codex
- OIE
- WTO
- Import Conditions
- Pets and Animal Welfare
- Enlargement
- Agreements
- EU - Russia: SPS issues

-  FOOD AND FEED SAFETY
-  ANIMAL HEALTH AND WELFARE
-  PLANT HEALTH
-  FVO INSPECTIONS

Last Update : 11-03-2010

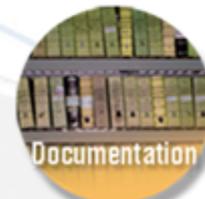


## JOINT RESEARCH CENTRE

European Union Reference Laboratory for GM Food and Feed

[European Commission](#) > [JRC](#) > [IHCP](#) > [EU-RL GMFF](#)

[Home](#) [Legal basis](#) [Guidance documents](#) [Status of dossiers](#) [Methods database](#) [Capacity building](#) [ENGL](#) [Contacts](#)



## Enlargement, International Collaboration & Capacity Building

The Molecular Biology and Genomics Unit of the Institute for Health and Consumer Protection (European Commission, Joint Research Centre) plays a leading role in the area of analysis of food, feed and environmental samples for the presence of genetically modified organisms (GMOs).

Here we present the international activities related to capacity building and training and we provide regular updates on workshops, training sessions and conferences we organise that aim to increase expertise and to foster international collaboration and harmonisation.



# 'Enlargement, International Collaboration and Capacity Building' Project

## Project Aim

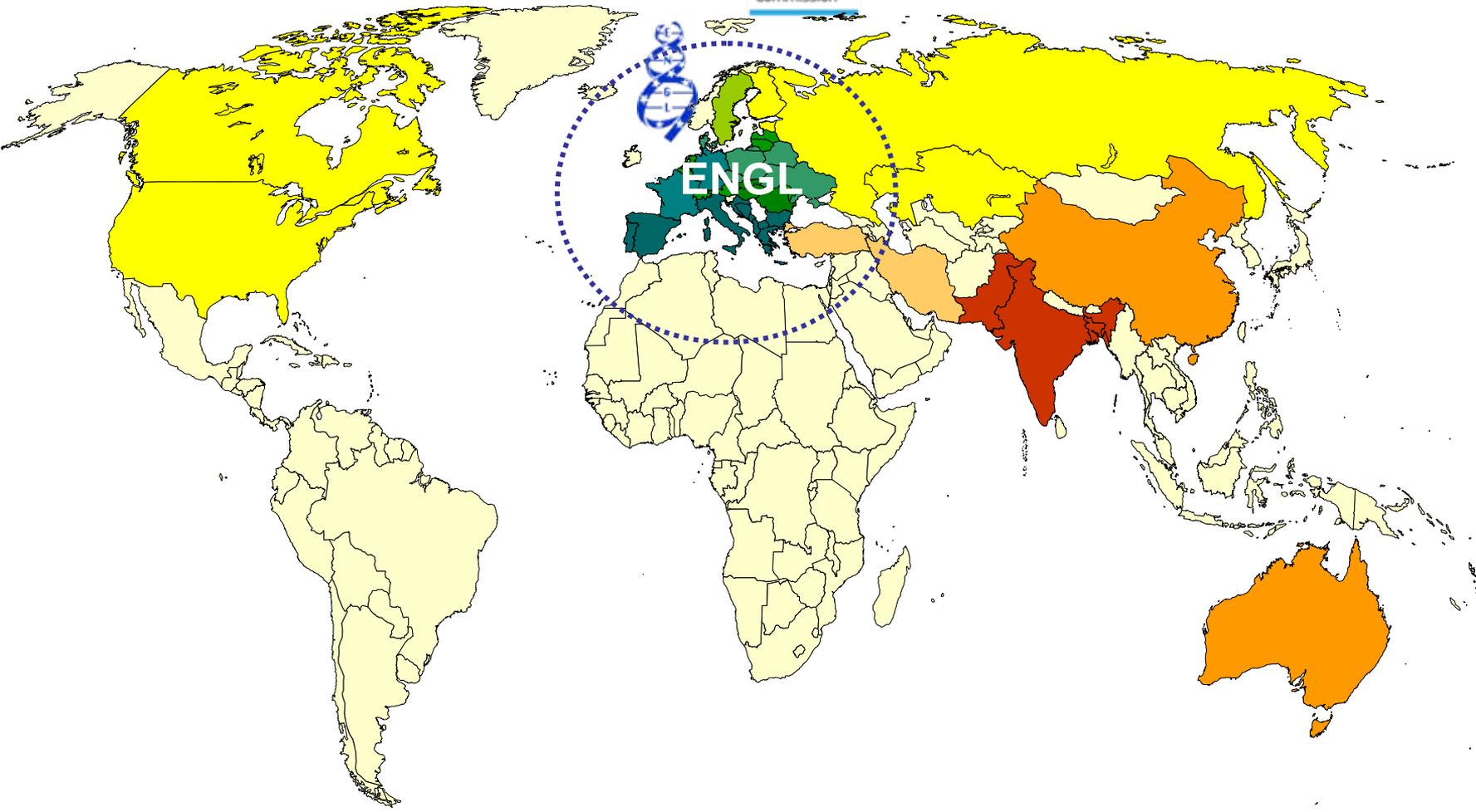
- To share the networking experience and the advantages derived from the implementation of the ENGL in the EU
- To support the establishment of regional networks outside the EU
- To help building capacity by providing training to enforcement laboratories
- To help control laboratories to implement proper facilities and expertise in GMO testing
- To contribute to the enforcement of an harmonised approach in GMO analysis

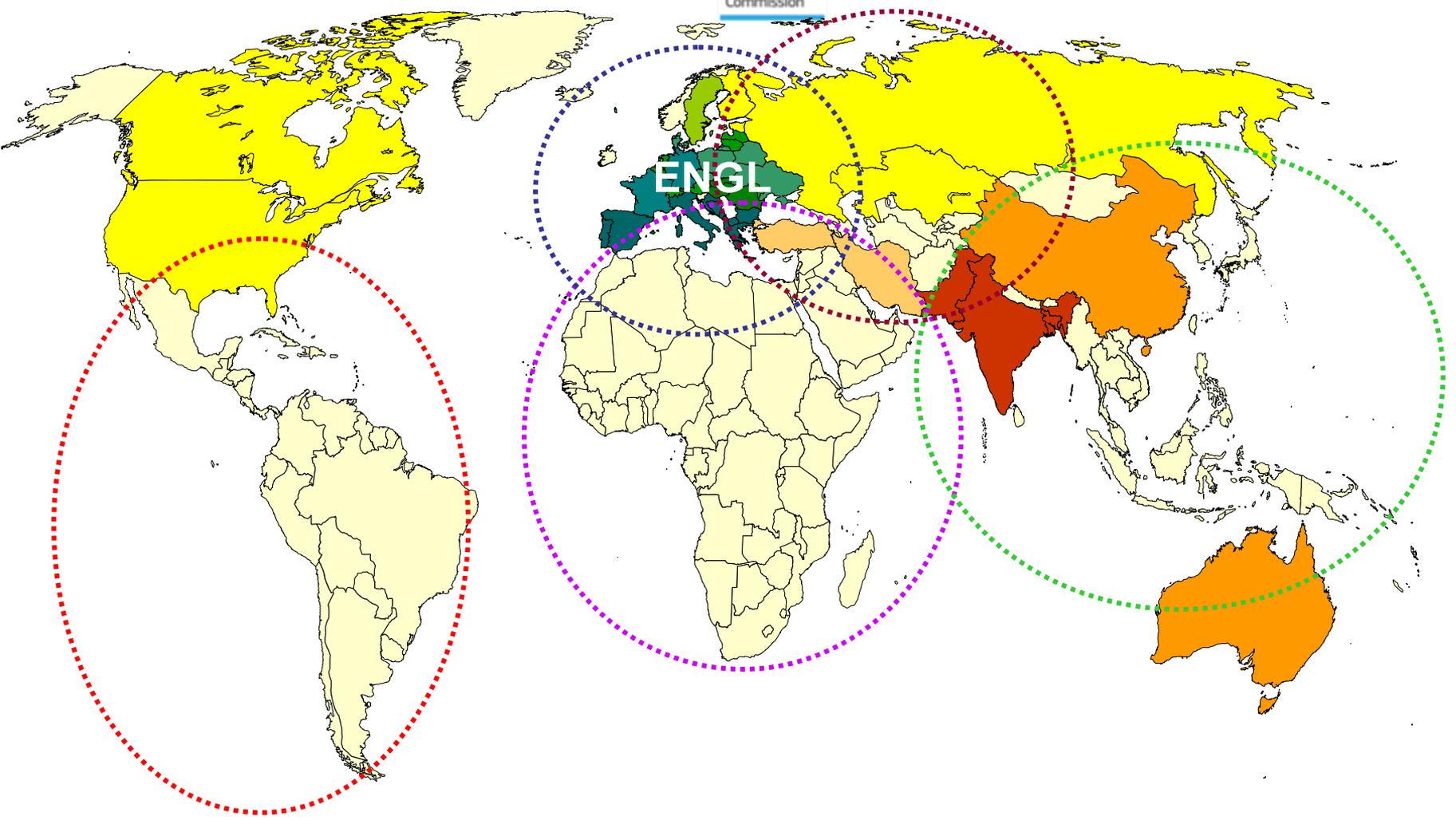


## Developed through:

- Networking workshops
- Support toward the establishment of regional networks
- Regional training courses
- Dedicated web page









## Asia

## Roadmap 2009 - 2012

- Malaysia, 16 -17 June 2009 – 1<sup>st</sup> Regional Networking Workshop for Asian Countries
- Malaysia, 15 -19 June 2009 - Training Course for Asian Countries (EC BTSF Initiative)
- Singapore, 7-8 June 2010 - 2<sup>nd</sup> Regional Networking Workshop for Asian Countries
- Singapore, June 2011 – 3<sup>rd</sup> Regional Networking Workshop for Asian Countries
- Ispira, 15 - 17 November 2011 - ASEAN Study Tour on GMO Analysis
- Philippines, 21 - 25 May 2012 – 4<sup>th</sup> Regional Networking Workshop for Asian Countries + ISO 17025 Training Course



# Asia

- Connection among Labs within the region
- Collaboration between existing ASEAN Network and other Asian countries
- Intense Exchange of information
- Participation to comparative testing rounds
- MoU
- EU-Asia GMOnet

EU-Asia GMOnet - Home - Windows Internet Explorer

https://eu-asia-gmonet.jrc.ec.europa.eu/

System Account

### Welcome to the EU-Asia GMOnet

Home

[Libraries](#)  
[Lists](#)  
[Discussions](#)  
[Team Discussion](#)

[Recycle Bin](#)  
[All Site Content](#)

#### Meeting / events

<input type="checkbox"/>				Title	Location	Start Time	End Time	All Day Event
<input type="checkbox"/>				ASEAN Network Study Tour	Ispra, Italy	15/11/2011 09:00	17/11/2011 17:00	
<input type="checkbox"/>				3rd EU-Asia Regional Network Meeting	Singapore, Singapore	07/06/2011 09:00	07/06/2011 17:00	
<input type="checkbox"/>				2nd EU-Asia Regional Network Meeting	Singapore, Singapore	09/06/2010 09:00	10/06/2010 17:00	

[Add new event](#)

#### Shared Documents

<input type="checkbox"/>	Type	Name	Modified	Modified By
<input type="checkbox"/>		2009-05-19 ENGL Consortium Agreement Final	22/11/2011 11:54	Damien Plan
<input type="checkbox"/>		2011-06-24 Commission PR LLP regulation	23/08/2011 16:28	Damien Plan
<input type="checkbox"/>		2011-09-01 ENGL UGM WG Final	12/10/2011 13:57	Damien Plan
<input type="checkbox"/>		2011-09-01 Technical Guidance from EURL on LLP	12/10/2011 13:58	Damien Plan
<input type="checkbox"/>		ENGL MV WG Report July 2011	23/08/2011 16:29	Damien Plan
<input type="checkbox"/>		EU JRC Report_Compedium Reference Methods GMO Analysis_April 2011	23/08/2011 16:30	Damien Plan
<input type="checkbox"/>		JRC63971 New Plant Breeding Techniques	23/08/2011 16:30	Damien Plan

#### Plasmid control samples

<input type="checkbox"/>	Type	Name	Modified	Modified By
<input type="checkbox"/>		Plasmid Control Samples List 2011	23/08/2011 16:38	Damien Plan
<input type="checkbox"/>		Template MTA Plasmid Control Samples	23/08/2011 16:37	Damien Plan

[Add document](#)

#### Proficiency testing

<input type="checkbox"/>	Type	Name	Modified	Modified By
<input type="checkbox"/>		EURL Comparative testing report_CT0110	23/08/2011 16:37	Damien Plan

[Add document](#)

#### GMO detection matrix

<input type="checkbox"/>	Type	Name	Modified	Modified By
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There are no items to show in this view of the "GMO detection matrix" document library. To add a new item, click "New" or "Upload".

[Add document](#)

https://eu-asia-gmonet.jrc.ec.europa.eu/layouts/viewlists.aspx?BaseType=0&ListTemplate=...



## Roadmap 2009 - 2012

### Africa

- *Tunisia, 18-22 September 2006 – Training course on the analysis of food and feed samples for Maghreb region*
- **South Africa, 28-29 October 2010 – 1<sup>st</sup> Regional Networking Workshop for African Countries**
- **South Africa, 7- 8 February 2012 – 2<sup>nd</sup> Regional Networking Workshop for African Countries**



## Enlargement, International Collaboration & Capacity Building

### 2<sup>nd</sup> International Workshop on Harmonisation of GMO Detection and Analysis for African Countries

Organised by  
European Commission Joint Research Centre (JRC)  
in collaboration with  
Directorate General for Health and Consumers  
(DG SANCO)  
under the 'Better Training for Safer Food' Programme

**White River (South Africa)**

**7- 8 February 2012**

### AGENDA





## Roadmap 2009 - 2012

### EU neighbourhood + Middle East/North Africa (MENA)

- Turkey, 27 - 28 April 2009 - Enlargement/Networking Workshop for new MS, Candidate Countries, Potential Candidate Countries and Territories, Countries incl. in the European Neighbourhood Policy
- Turkey, 12-16 April 2010 - Training Course for new MS, Candidate Countries, Potential Candidate Countries and Territories, Countries incl. in the European Neighbourhood Policy
- Croatia, 27-28 September 2010 - 2<sup>nd</sup> Enlargement/Networking Workshop for new MS, Candidate Countries, Potential Candidate Countries and Territories, Countries incl. in the European Neighbourhood Policy
- Jordan, 4-5 June 2012 – **1<sup>st</sup> International Workshop on Harmonisation of GMO Detection and Analysis in Middle East and North Africa (MENA) Region**



## Roadmap 2009 - 2012

### Latin America

- Cuba, October 2009 - Training Course for Central & South American Countries
- Brazil, 3 - 4 December 2009 - Regional Networking Workshops for Central & South American Countries
- Ispra, 8 - 12 November 2010 - Study Tour on GMO Analysis for Central & South American Countries
- Mexico, 2 – 3 March 2011 - 2<sup>nd</sup> Regional Networking Workshop for Central & South American Countries
- Colombia, 3-4 July 2012 - 3<sup>rd</sup> Regional Networking Meeting for Central & South American Countries

## 2<sup>nd</sup> International Workshop on Harmonisation of GMO Detection and Analysis for Central and South America

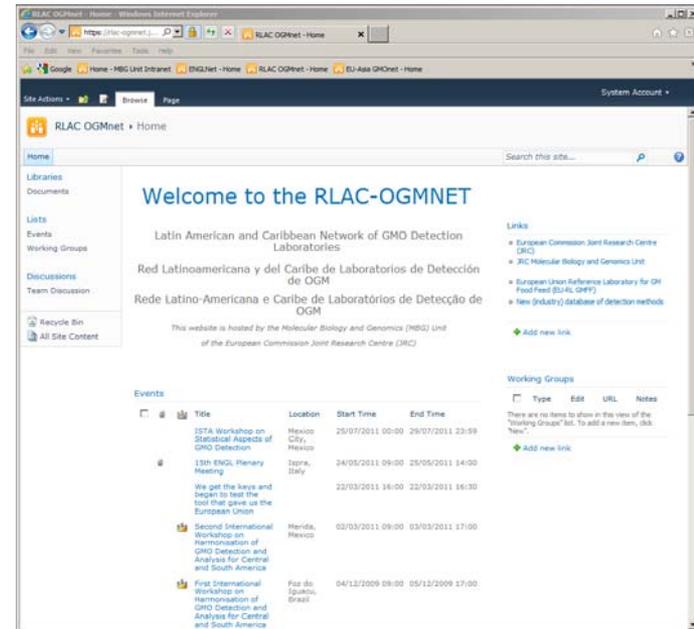
Merida, Mexico 2-3-March 2011





## Latin America

- Connection among Laboratories within the region
- Exchange of information
- Participation to comparative testing rounds
- RLAC-OGMNET
- Red Latino Americana de laboratorios de detección de OGM
- ..... what next?





# Participation in EU-RL comparative testing rounds

## **CT-01/11**

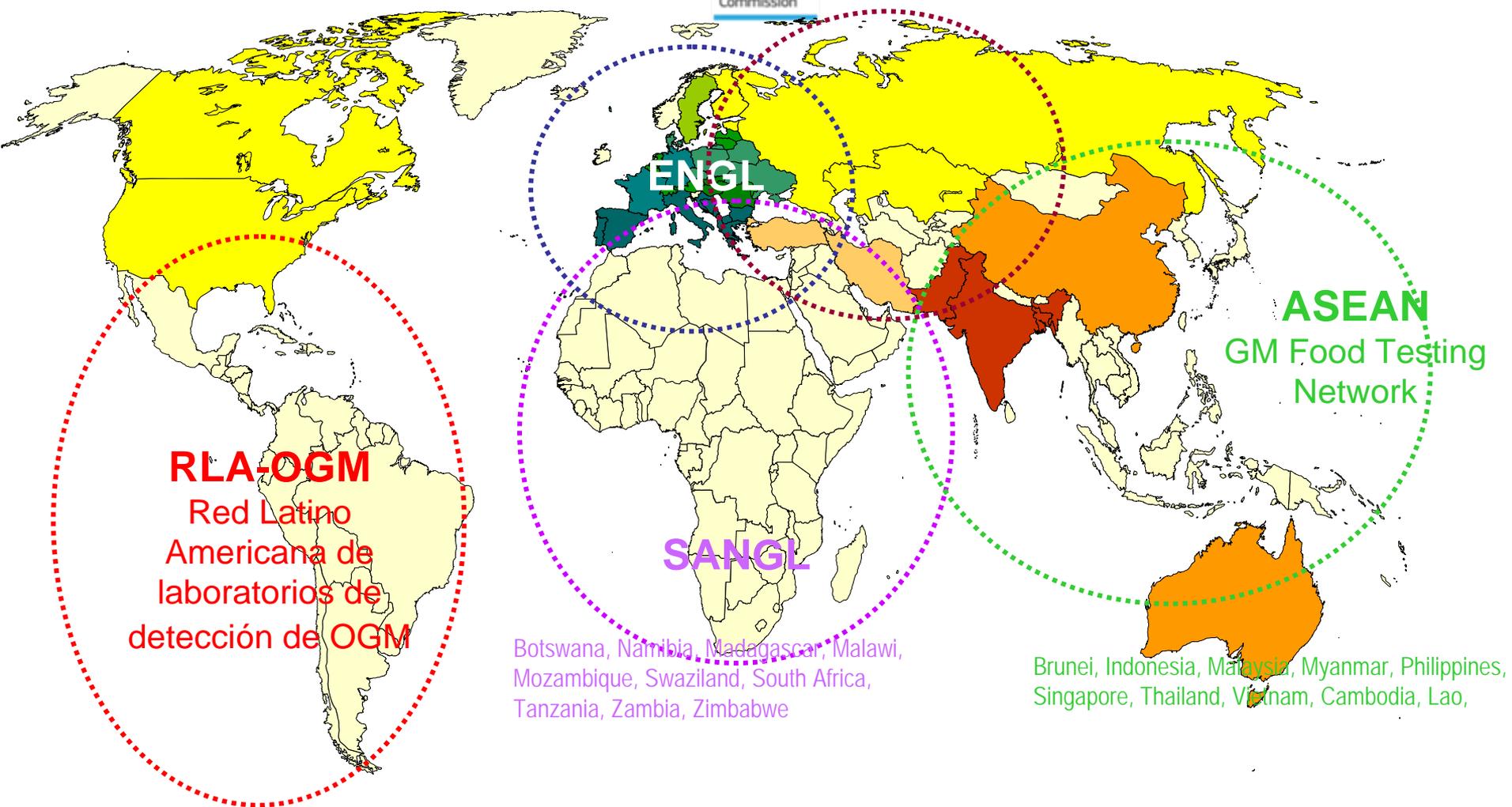
8 invited labs (3 from Brazil, Chile, Mexico, Colombia, Uruguay, Argentina)  
3 participants (Brazil, Chile, Colombia)

## **CT-02/11**

8 invited labs (3 from Brazil, Chile, Mexico, Colombia, Uruguay, Argentina)  
5 participants of which 3 from Brazil, Chile, Mexico

## **CT-01/12**

8 invited labs (3 from Brazil, Chile, Mexico, Colombia, Uruguay, Argentina)  
2 participants (Brazil, Chile)



The next step : Global Networking of GMO Laboratories



# **Global Networking on GMO Analysis**

## **Next Steps**

### **The Global GMO Analysis Forum (GGAF)**

# Global GMO Analysis Forum (GGAF)

**Date:** November/December 2012 (*tbd*)

(+ one day for preparatory bilateral meetings on previous day)

**Location:** Brussels (European Commission headquarters building)

**General Objective:** to "network the GMO networks"

**Format :** 2-day workshop

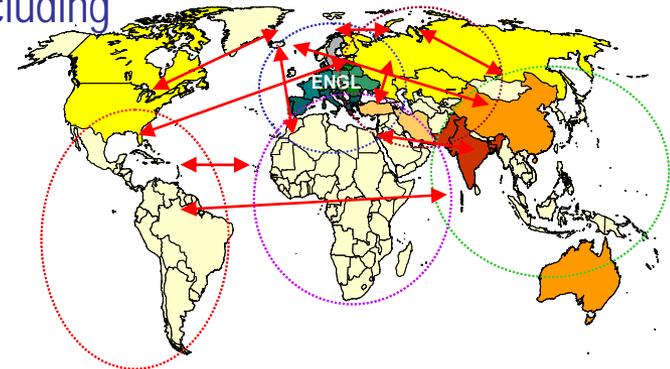
1<sup>st</sup> day – Focus on technical needs for GMO analysis and future challenges

2<sup>nd</sup> day – Testimony of regional networks (in place or being built) and share of views on global dialogue

**Participants:** approx. 100 invited delegates from all regions including

representatives from

- EU Commission
- Regional Networks
- International Organisations
- Individual Countries



# GGAF Agenda Day 1 - AM

## Opening

**Technical Session I (TS I):** availability of GMO analytical methods (qualitative or quantitative)  
incl. presentation of JRC Compendium/Database

**Technical Session II (TS II):** global harmonisation and international standardisation of GMO  
analytical methods : 1 speaker from Codex + 1 speaker from ISO

**Technical Session III (TS III):** detection of genetically modified material for which an  
authorisation procedure is pending

# GGAF Agenda Day 1 - PM

**Technical Session IV (TS IV):** detection of unauthorised GMOs

**Technical Session V (TS V):** outlook / technical detection challenges in the future incl. topics like New Plant Breeding Techniques or Transgenic Animals

**Q&A on technical sessions**

**Technical challenges: global problems require global solutions**

- Listing of technical needs
- Prioritisation
- Follow-up actions

## GGAF Agenda Day 2 - AM

EU overview with 3 speakers from 3 European Commission services involved in global networking and capacity building programmes on GMO analysis (JRC/SANCO/ELARG )

Regional GMO Networks with 5 speakers from 5 regional networks (existing or future)

Europe network (ENGL)

Asia network (ASEAN GMFNet)

Africa network (SANGL)

Latin America network (RLA OGM)

Middle East North Africa network (MENA)

Including topics like:

- challenges in different parts of the world;
- mandate and organisation;
- progress, capacities and needs;
- analytical status;
- how the networks maintain themselves;
- outlook and challenges



## GGAF Agenda Day 2 - PM

Panel Discussion with Individual Countries (key EU trade partners)  
on GMO detection and trade facilitation: EU (DG TRADE), USA, China, India, Brazil ...

Statements from stakeholders

Panel Discussion with 2 International and 2 Regional Organisations  
on importance of GMO detection:  
UN Food Agriculture Organisation **FAO**, UN Convention Biological Diversity **CBD**,  
**African Union** Commission, Association South East Asia Nations (**ASEAN**) Secretariat

Global networking – the way ahead

JRC - ASEAN MoU signature ceremony and closing of the meeting

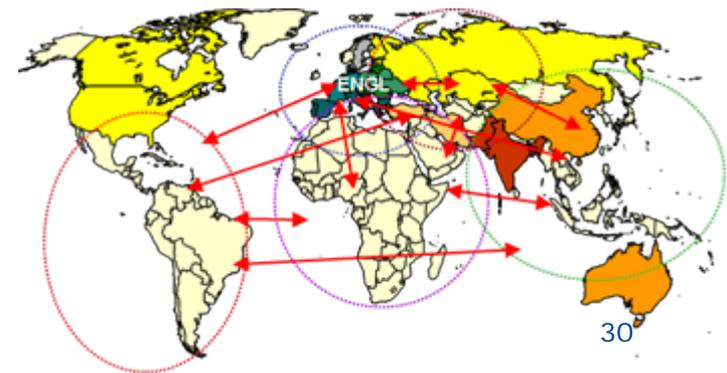
## Global networking – the way ahead

### Your task:

give us your suggestions (e.g. on next steps)  
and your expectations

### ... and even more important

help us in justifying the continuation of the Project in the Region...





**Thank you for your attention!**  
**Gracias por su atención!**  
**Muito obrigada!**