

4th SCBD/UNEP - 15th Anniversary of the Biosafety Protocol Event
CEPA Fair 2018, 22 November 2018, Sharm El Sheikh, Egypt

**Experiences and Best Practices in the Detection and
Identification of LMOs**

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The European Commission's science and knowledge service
Joint Research Centre



EC-JRC GMO detection training programme

Objective

- Launched around 2000 to assist EU Member States and Third Countries in addressing the analytical challenges for implementing the requirements of the EU regulatory framework on Genetically Modified Organisms.
- To promote quality – harmonisation of procedures - data obtained.

Creating and Supporting Regional Networks of Excellence

- Launched in 2009 under the “Better Training for Safer Food Programme” - Directorate-General for Health and Food Safety (DG SANTE)
- Complementary to the EU Reference Laboratory for Genetically Modified Food and Feed (EURL GMFF) tasks under mandate of Regulation (EC) No. 882/2004

Objectives:

- Share the networking experience & support the establishment of regional networks outside the EU
- Contribute to the enforcement of a harmonised approach in GMO analysis

JRC training programme - *Objectives & Numbers*

- 36 training courses on GMO analysis and EU-GMO policy (EU, global)
- Scientists from more than 300 laboratories trained worldwide
- Specific training for trainees initiatives
- External facilities as 'Training Sites'
- Production and release didactic material



Countries Involved in the 'Global Harmonisation of GMO Analysis Support to Regional Networking' Project



ALL

AFRICA



Eastern Europe

Turkey

1st International
workshop

Turkey

Training Course

Croatia

2nd International workshop

Macedonia

3rd International Workshop

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018



Middle East & North Africa

Italy
(FAO) Study Tour

Jordan
1st International Workshop

Rome, Italy
2nd International Workshop

Study Visit
(Tunisian delegation)

Varese, Italy
3rd International Workshop

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018



Latin America & Caribbean

Brazil
1st International
Workshop

Cuba
Training

Mexico
2nd International Workshop

Study Visit

Colombia
3rd International Workshop

Mexico
Simposio
Internacional

*Training WS (Brazil,
Ecuador, Mexico)*

Italy
4th International
Workshop

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018



Red Latino Americana de
laboratorios de detección
de OGM



ASIA

Malaysia

Training course &
1st EU-Asia Regional
meeting on GMO
detection

Singapore
2nd EU-Asia
regional

ASEAN
Study Visit

Singapore
3rd EU-Asia
regional network

Philippines

4th EU-Asia regional
network meeting &
training course

Study Visit in GMO
analysis (Vietnamese
delegation)

Study Visit
(Chinese
Delegation)

Indonesia
training course

Singapore
ASEAN-EU Joint
Training Workshop

2010

2011

2012

2013

2014

2015

2016

2017

2018

ASEAN
GMF-Net



All



2010

2011

2012

2013

2014

2015

2016

2017

2018

Italy
1st International
Workshop

Training

Training
Training on "Practical
aspects of regulatory GMO
testing"

Training

Italy
2nd International
Workshop

Belgium
Training workshop

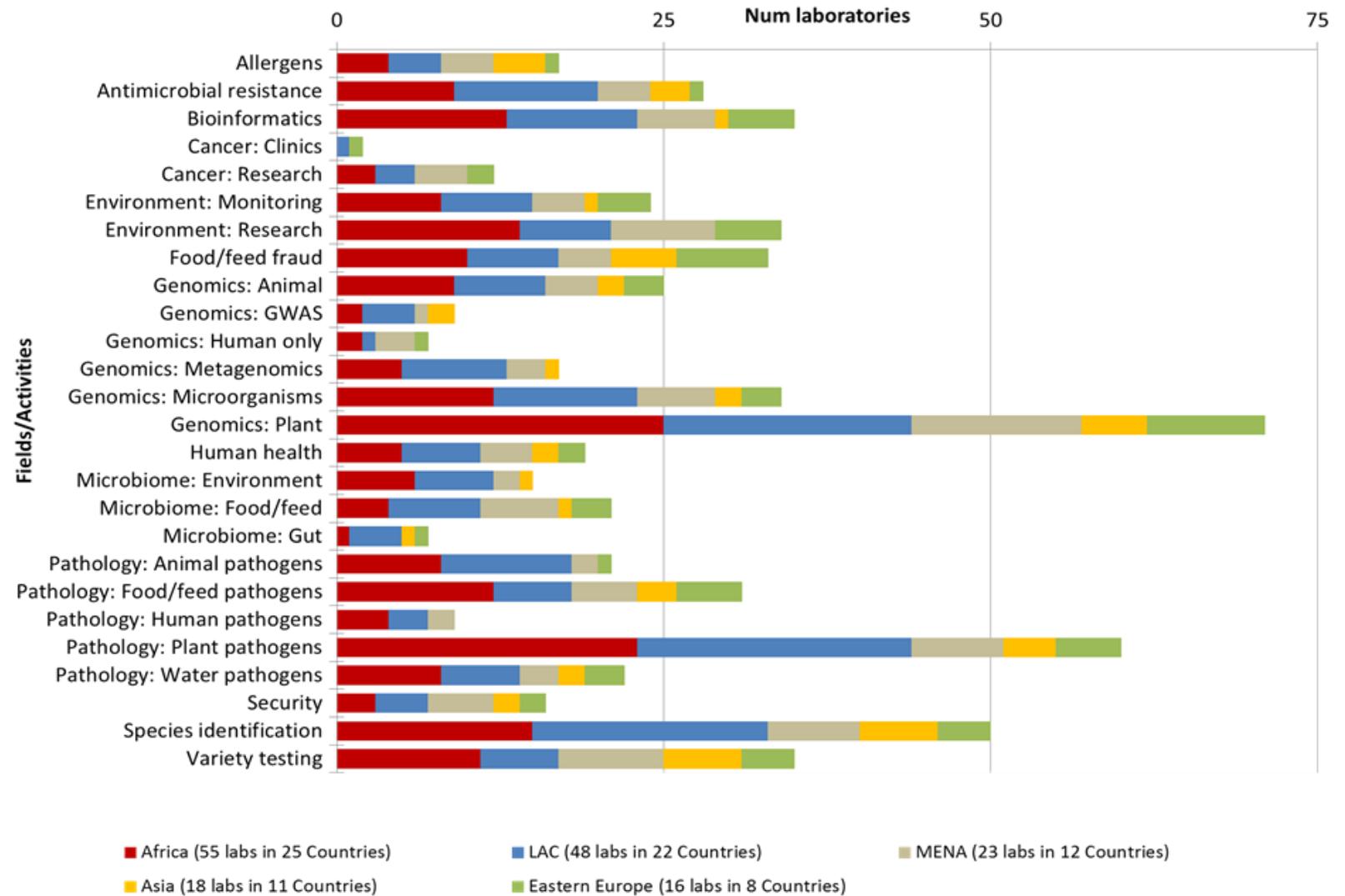
'Global Harmonisation of GMO Analysis Support to Regional Networking' Project

Current status and achievements

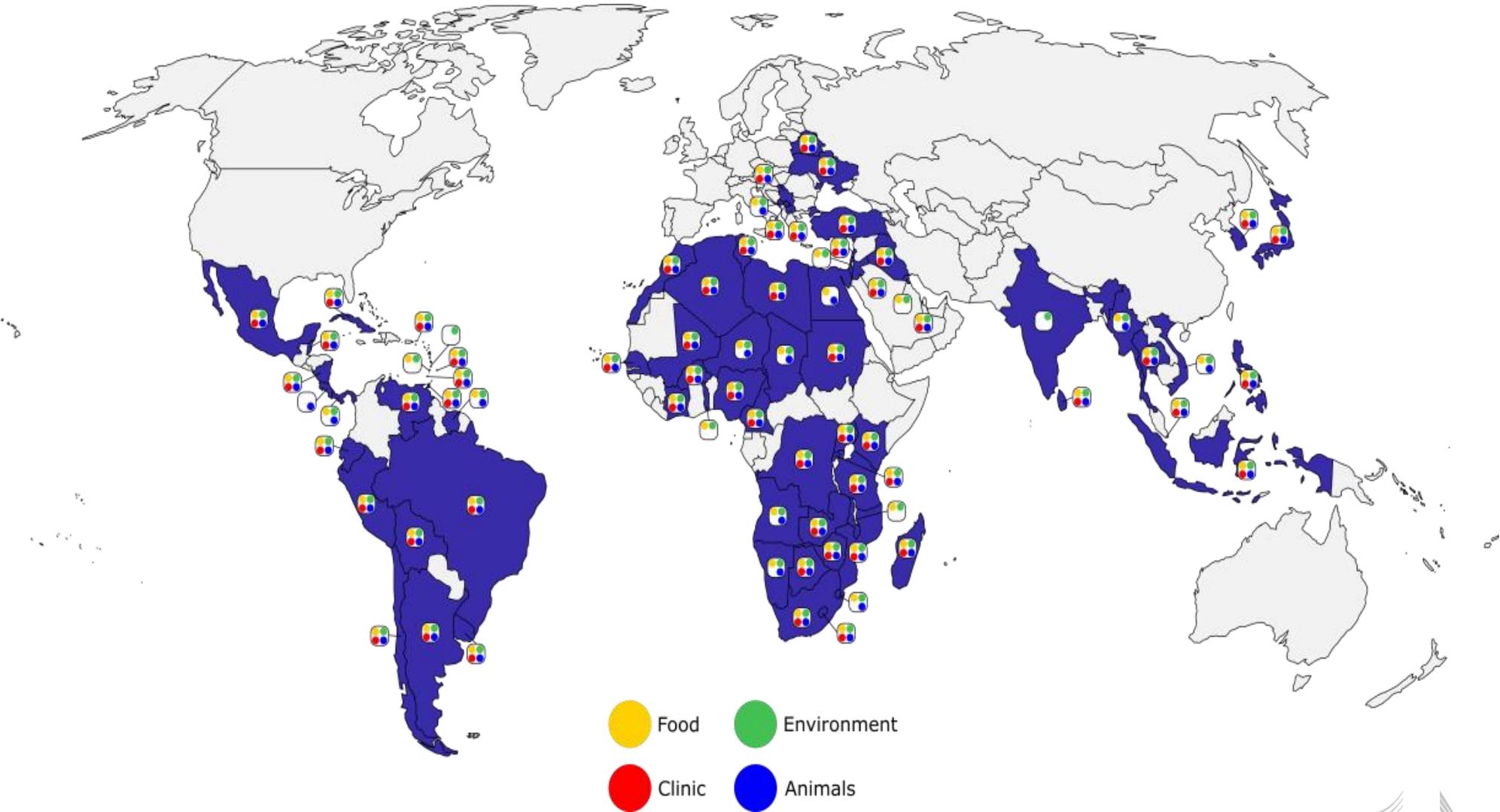
- Technical capacity progressively increasing in most countries
- Connection among labs within and among the regions
- Increase exchange and sharing of information
- Establishment of new Networks of GMO laboratories (e.g. RLAC-OGM, MENANGL)
- Collaboration among existing Networks and other countries in the regions (e.g. ASEAN- Asia; SANGL – Africa)
- Participation to EURL GMFF comparative testing rounds, control samples, ad hoc support from EURL GMFF
- Mapping regional technical capacities (*ongoing*) & regional road maps
- Regional testing projects and regional capacity-building initiatives



Fields other than GMOs in which laboratories are involved



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What are your views on the best way ahead?



Thanks!

Questions?

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<http://gmo-crl.jrc.ec.europa.eu/capacitybuilding/default.htm>