



Update on the Implementation of the Global Strategy

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Global Framework of Transboundary Animal Diseases (GF-TADs)

- FAO and OIE joint initiative launched 2004
- Meant to provide a platform for empowering countries and regional alliances to coordinate, determine priorities, develop strategies, synergies.
- Aims to achieve prevention, detection and control of TADs:
 - Foot-and-mouth disease ([GF-TADs FMD WG](#))
 - Peste des petits ruminants ([Secretariat](#))
 - Rinderpest ([Secretariat](#))
 - Highly pathogenic avian influenza
 - African swine fever
 - Rabies
 - Rift valley fever
- Global level and 5 regions



Contents

❖ **FAO-OIE Global FMD Control Strategy 2012**

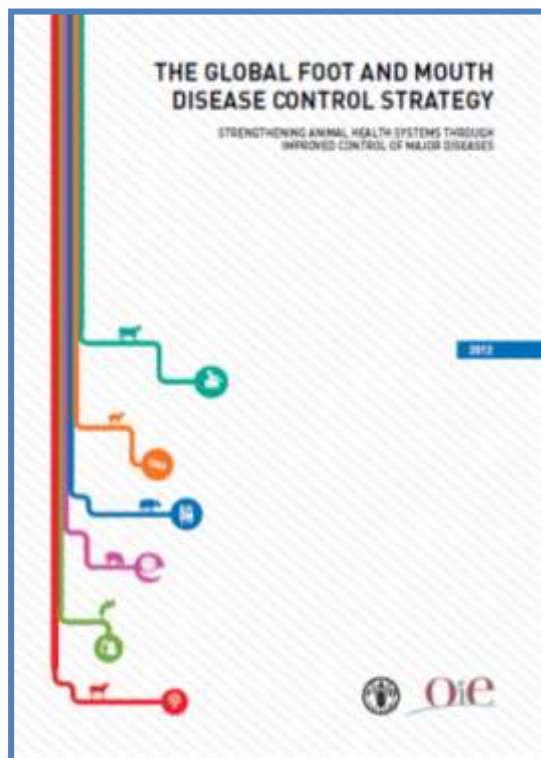
- What we have done so far!!
- What is the living global PCP-FMD map look alike!!
- What are the priorities of FAO-OIE FMD WG in 2016!!
- What are the major challenges!!
- What was achieved thus far!!

The Global FMD Control Strategy

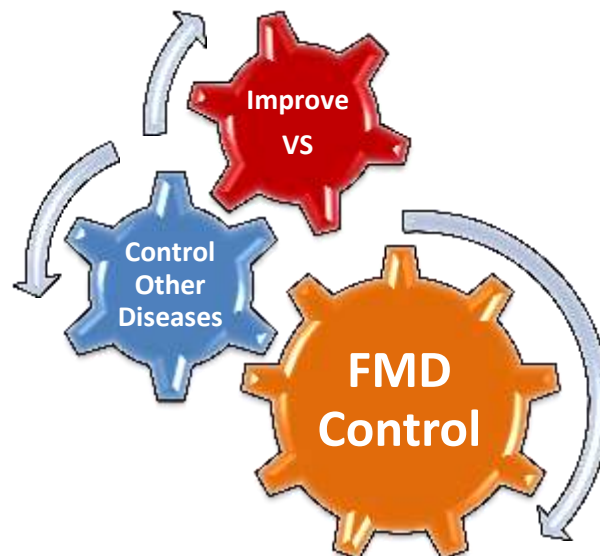
Developed in 2012: by the FAO- OIE FMD working group in consultation with the experts and regional representations

Number of Countries: 87

Duration: Fifteen years



Components



Costing US\$ Mil (5 years)	
National Program	68
Vaccination	694
Regional	47
Global	11
	820

Progressive Control Pathway for FMD

3

Implement
Control strategy to
eliminate circulation

Eliminate virus circulation

- Implement aggressive control policy
- Continue routine surveillance
- Early detection and rapid response
- Vaccination
- Eliminate FMD in zones or country
- OIE-endorsed national control plan

2

Implement
risk-based control

Reduce Impact

- Implement risk-based control strategy
- Stakeholder consultation & engagement
- Targeted vaccination
- Monitor and evaluate

1

Identify risk and
control options

Understanding

- FMD epidemiology
- Identify hotspots
- Map value and market chains
- Socioeconomic impacts
- Formulate control options



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FMD Global Strategy

Global, National and Regional Approach

Global	National	Regional
FAO-OIE FMD WG Developed the GS and coordinate it's implementation	Use of PCP-FMD guidelines as tool for implementation	Regional control strategy
Global Network: <ul style="list-style-type: none"> FAO/OIE FMD reference lab network Epidemiology network 	Countries' investment and control plans (FAO, OIE and donor support)	Regional roadmap meetings for country assessment
	Performance of veterinary services (PVS)	Regional laboratory and epidemiology networks
	Training/workshop/webinar	

- **Regional laboratory and epidemiology networks**

- Eastern Africa: EARLN and EAREN
- West Africa: RESOLAB and RESEPI
- West Eurasia: WELNET and EPINET
- SAARC: epidemiology and lab networks
- ME and SADC: not established

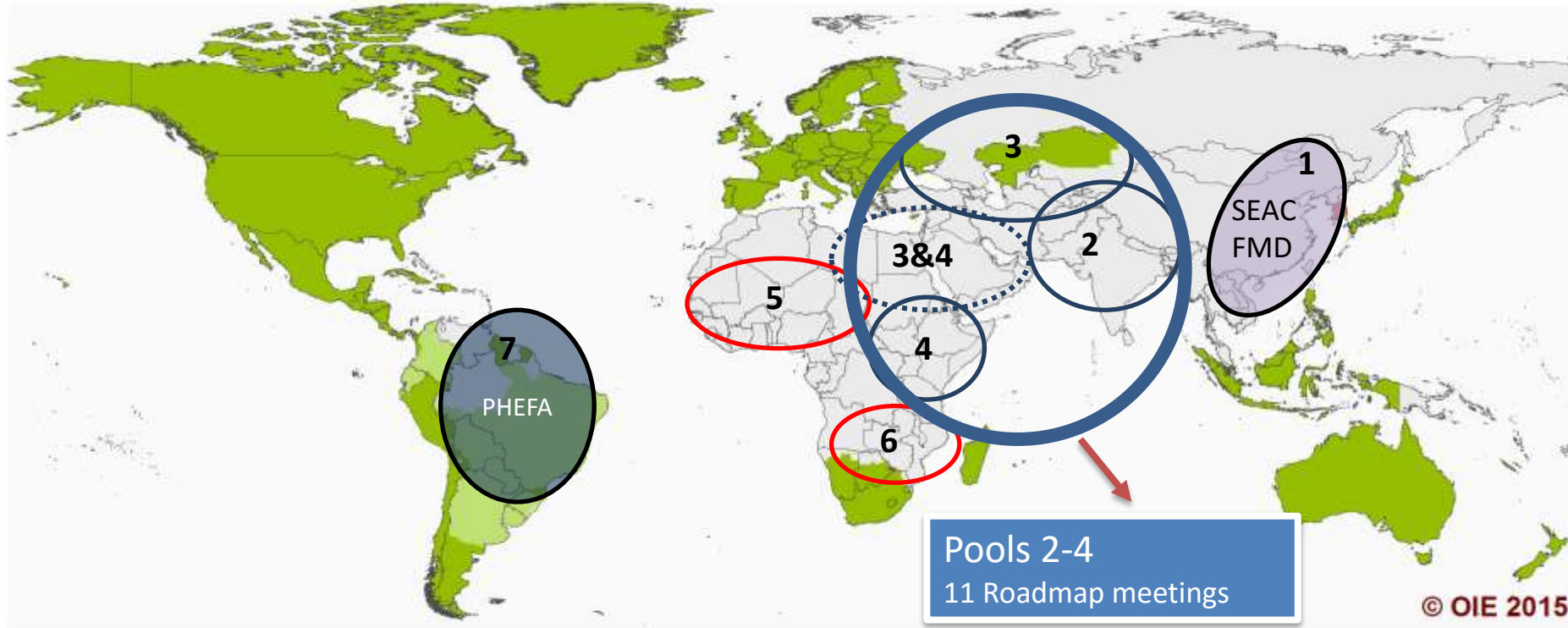


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Regional Roadmap Meetings Convened Since 2012

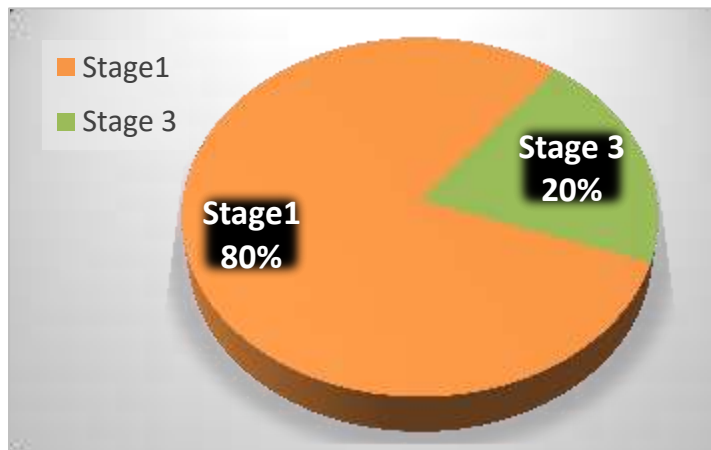


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2nd SAARC Roadmaps (Virus pool 2) 2012 to Present

First roadmap in 2011
5-7 countries

country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Bangladesh	1	1	1	2	2	2	3	3	3	4
Bhutan	1	1	1	1	1	2	2	3	3	3
India	3	3	3	3	4	4	4	4	4	4
Nepal	1	1	1	1	1	2	2	2	2	3
Sri Lanka	1	1	1	2	2	2	3	3	4	4



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Present



6th West Eurasia Roadmap (virus pool 3)

2012 to 2015

First roadmap in 2008
14 countries

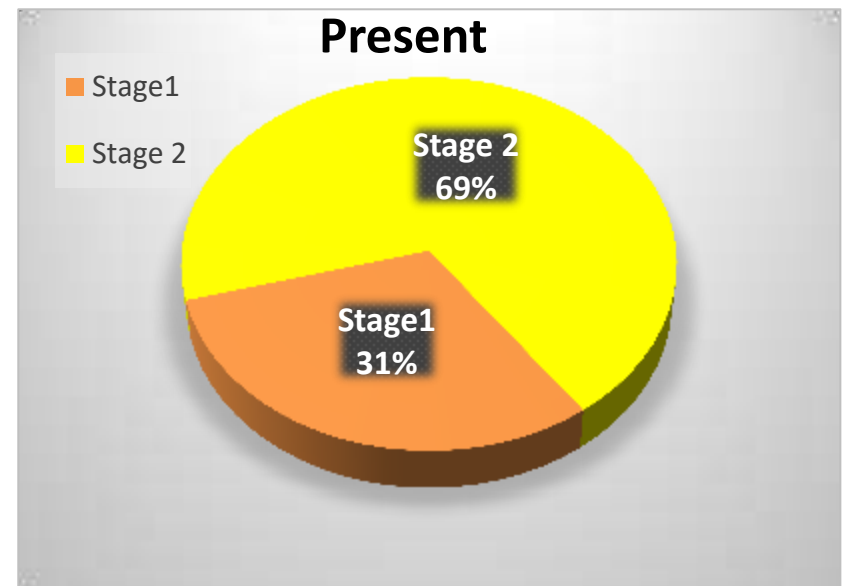
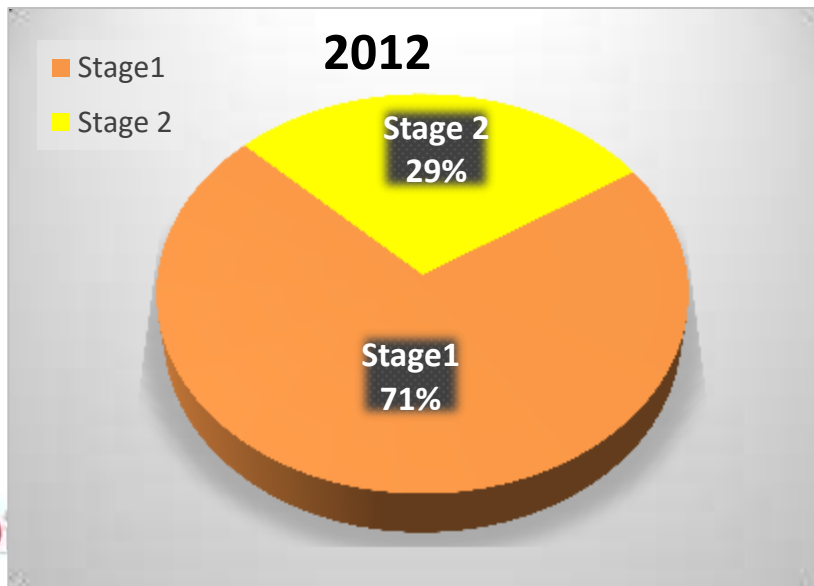
	validated stages								provisional stages (not validated)													
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025				
Afghanistan	0	1	1		1	1	1	1	1	1	2	2	2	2	3	3	3					
Armenia	2	2	2		2	2	2*	2**	2	2	3	3	3	3	3	3	4	4				
Azerbaijan	2	2	2		2	2	2*	2**	2	2	3	3	3	3	4	4	4	4				
Georgia	2	1	1		1	1	2*	2	2	3	3	3	3	4	4	4	4	4				
Iran	2	2	2		2	2	2	2	2	2	2	3	3	3	3	3	3	4				
Kazakhstan	1	1	1		1	1	2*	***														
Kyrgyzstan	1	0	0		1	1	2*	2**	2	2	2	3	3	3	3	4	4	4				
Pakistan	0	1	1		1	1	2*	2	2	2	2	3	3	3	3	3	3	4				
Tajikistan	0	1	1		1	1	1	1	2	2	3	3	3	3	4	4	4	4				
Turkey Thrace									4	4	4	4	4	4	4	4	4	4				
Turkey Marmara-Aegean									2	3	3	3	3	3	3	3	3	3				
Turkey (Anatolia)	1	2	2		2	2	2	2	2	2	2	2	2	2	3	3	4	4				
Turkmenistan	0	0	0		1	1	1	1	2	2	3	3	3	3	4	4	4	4				
Uzbekistan	0	1	1		1	1	1	1	2	2	3	3	3	3	4	4	4	4				

PCP-FMD stages of WestEurasia countries as of May 2015

*Indicates a provisional status given to the countries in 2014

** indicates provisional status (countries have till October 2015 to provide additional information including a Control Plan; if not, they will be downgraded to the previous stage)

***Indicates that country have entered the OIE pathway for recognition of an FMD-free zone without vaccination



3rd Middle East Roadmap (virus pools 3-4)

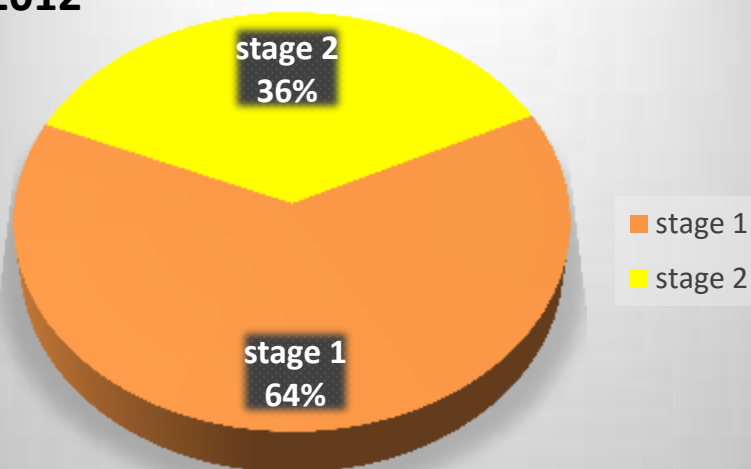
2012-2015

First roadmap in 2012
12-14 countries

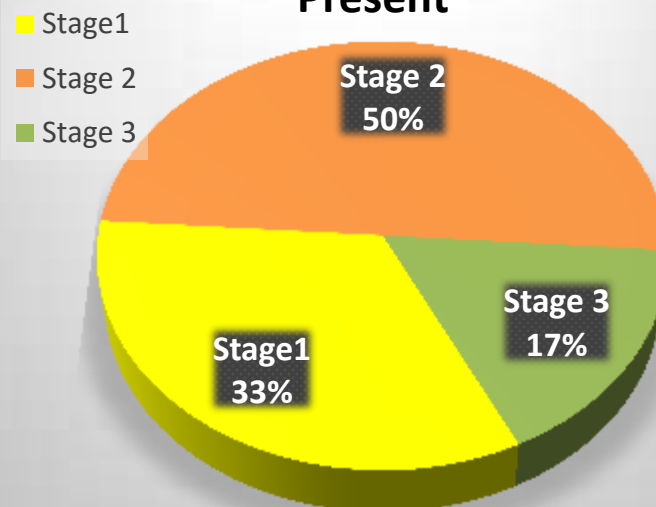
Country	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bahrain	1	2	2	2*	3	3	3	4	4	4
Egypt	1	1	2*	2*	2	2	2	2	3	3
Iraq	2	2	2*	2*						
Jordan	1	1	2*	2*	2	3	3	3	4	4
Palestine			1	1						
Kuwait	2	2	3	3*	3	4	4	4	5	5
Lebanon	1	1	2*	2*						
Oman	2	2	2*	2*						
Qatar	2	2	3*	3	3	3	4	4	4	4
Saudi Arabia	1	1	2*	2*	2	3	3	3	4	4
Syria	2	2	2*	2*						
UAE	1	1	2	2	3	3	3	4	4	4
Yemen	1	1	1*	1*						



2012



Present



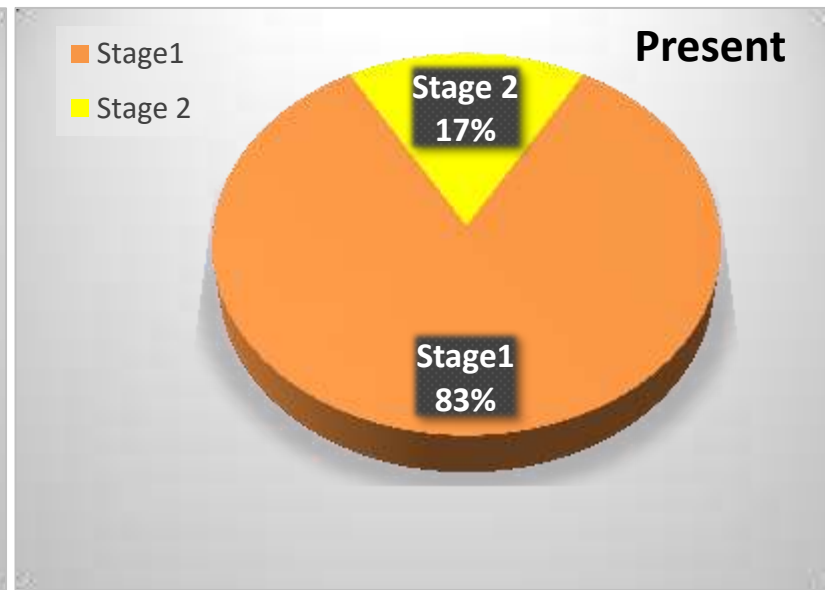
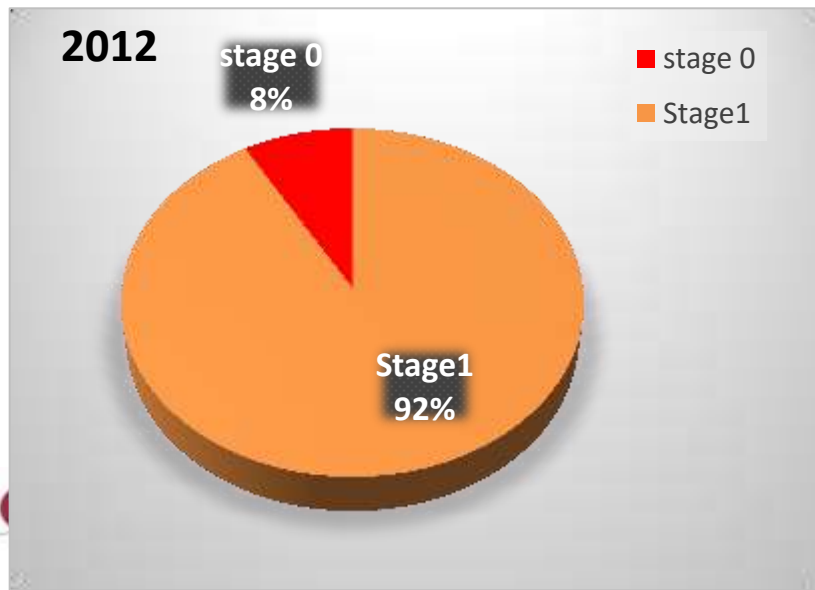
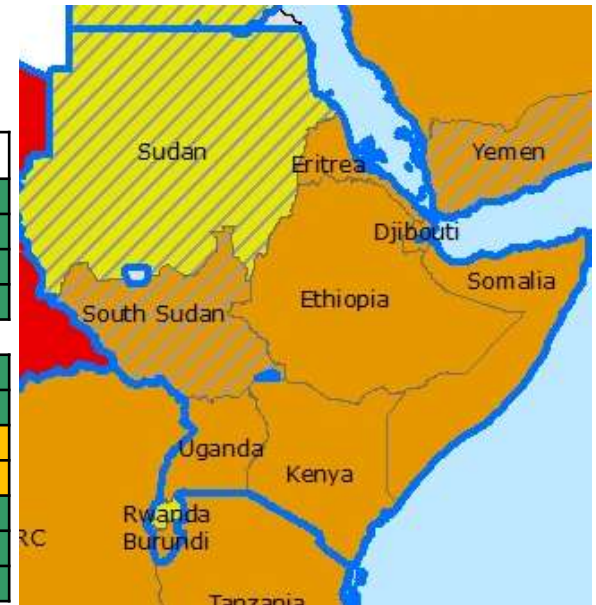
2nd East Africa Roadmap (virus pool 4)

2012 to 2015

First roadmap in 2012
12 countries

Country	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Burundi	1	1	1	2	2	2	3	3	3	4	4
Djibouti	1	1	1	2	2	2	3	3	3	4	4
DRC	1	1	1	1	2	2	2	3	3	4	4
Eritrea	1	1	1	1	2	2	3	3	3	4	4
Ethiopia											
Kenya	1	2	2	2	2	2	3	3	3	4	4
Rwanda	2	2	3	3	3	4	4	4	4	4	4
Somalia	1	1	1	1	2	2	2	2	2	2	2
South Sudan	1*	1	1	1	1	1	1	1	1	2	2
Sudan	2*	2	2	2	3	3	3	3	3	4	4
Tanzania	1	1	2	2	2	2	3	3	3	4	4
Uganda	1	1	2	2	2	3	3	3	3	4	4

*Provisionally accepted



Virus Pools 5&6

- **West Africa (pool 5):**
 - First roadmap in 2009
 - Next roadmap is planned for June 2016
- **SADC (pool 6):**
 - First roadmap in 2011
 - Next roadmap proposed for end of 2016



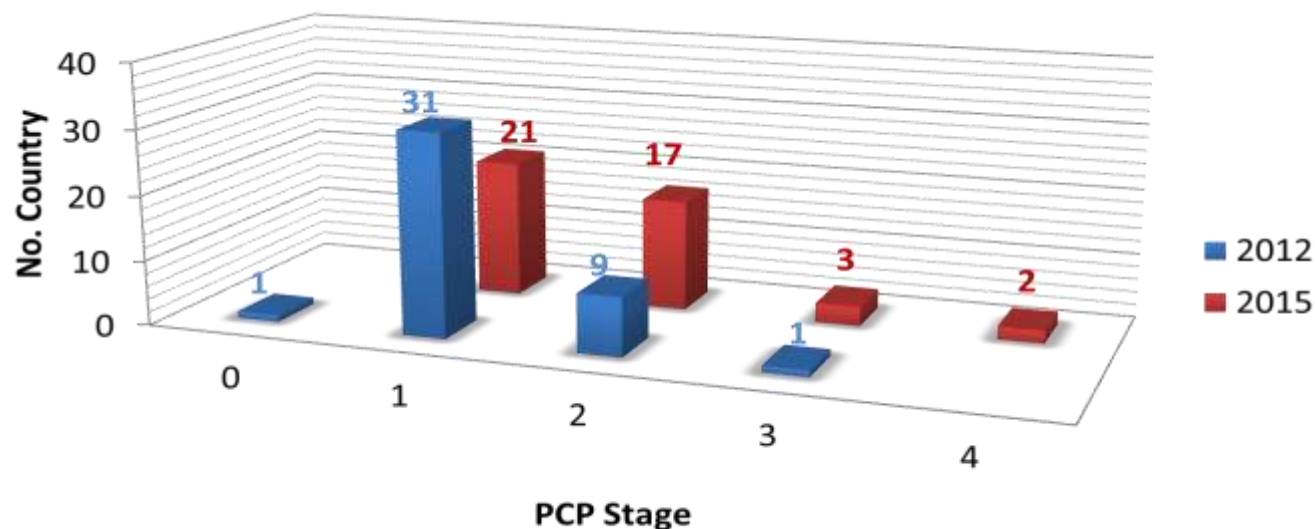
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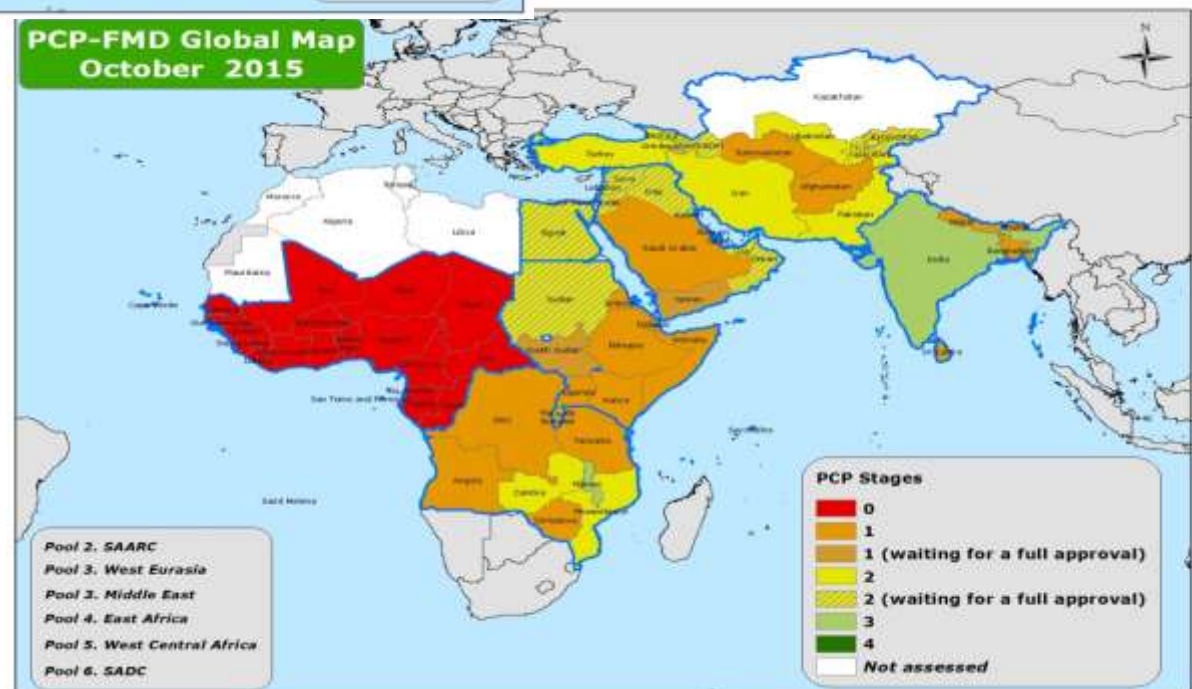
Countries per PCP stage

Virus Pools 2-4



Between 2012 and 2015, countries advanced in PCP stages with clear shift to have more countries in PCP stages 1 and 2 in 2015 compared to 2012. A few countries progressively advanced to stages 3 and 4 by 2015

Global PCP-FMD Map

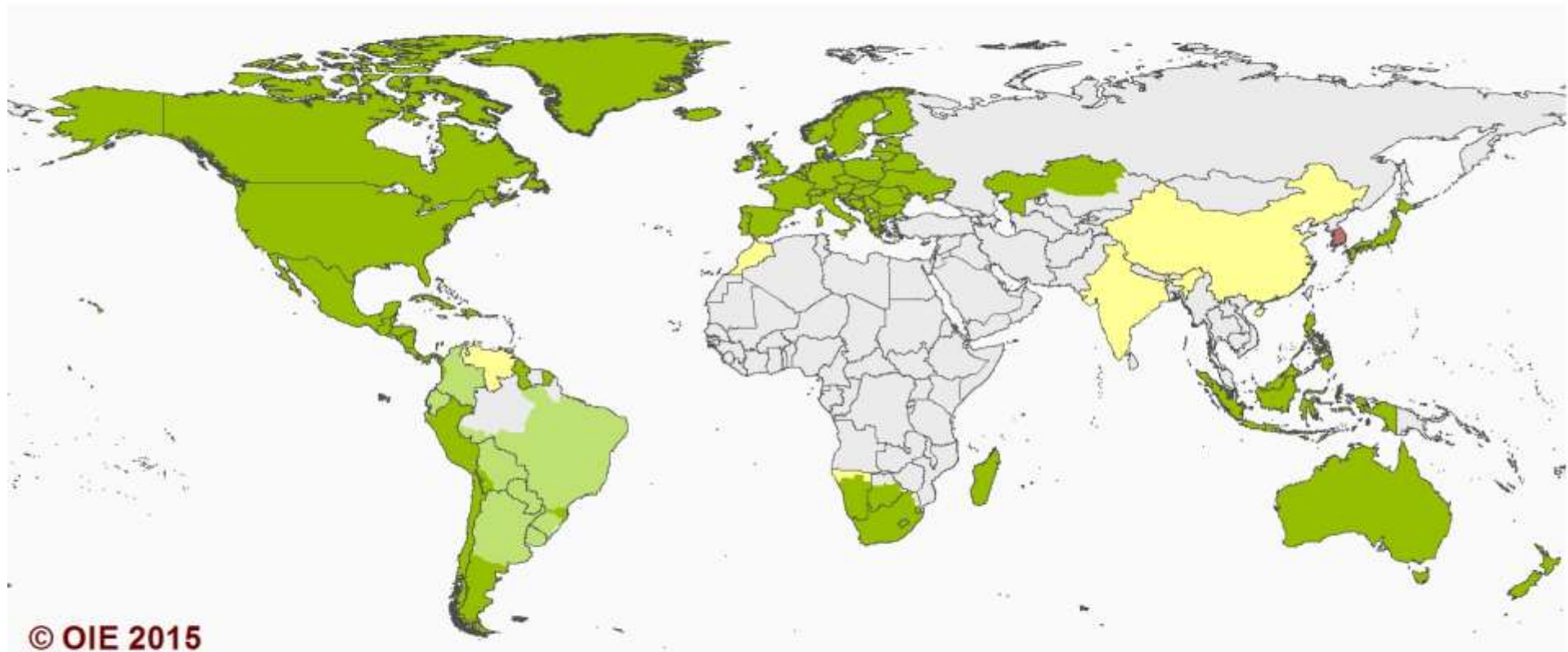





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



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Endorsement of official control programme and recognition of FMD free status March 2016



 FMD freedom without vaccination
 FMD freedom with vaccination
 Endorsed official programme for FMD

 Suspension of the status
 No recognised status

2016 Priorities

GF-TADs FMD Working Group

2016-2017

Train OIE and FAO field staff, RAG & global expert group on PCP

Identify training needs and conduct roadmap meetings

Prepare 5-year plan for the implementation of the global strategy (WG only)

Publish PVM and finalize the socioeconomic guidelines

Produce 2nd edition the PCP-FMD guidelines and its questionnaires



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Continue to develop guiding material for FMD control plans

Global Expert Group

(in progress)

- **Function:** supports countries and follow up in the implementation of PCP and provides training

- **Global list of leading experts; in**
 - Laboratory diagnostics
 - Epidemiology
 - Vaccine and vaccination
 - Socio-economics and economics
 - Disease management and control

- Languages: English, French, Russian and Arabic
- Well trained on PCP-FMD

If interested, send CV to
FAO-FMD@fao.org & OIE-
FMD@oie.int



Guiding material for FMD Control Plans required

- Template for control plans - to support countries willing to progress to PCP Stages 1, 2 and 3 and to advance in their PCP stage.
- **Post-vaccination monitoring (PVM) guidelines to be published**
- Socio-economic guidelines, to guide countries to:
 - Estimate the impact of FMD;
 - Determine the cost-benefit for country and donor investments;
 - Obtain economic data to design better FMD control policies.
- Technical document to be included in the guidelines toolkit of the FAO/OIE FMD Global Strategy

Some (Major) Challenges Areas

- Diagnostics:
 - capabilities to carry out sustainable surveillance
 - Field investigations and collection and shipping of samples
 - Lab biosafety and biosecurity
 - Equipment and reliable flow of diagnostic supplies
- Vaccine:
 - Low vaccine coverage and resources to buy vaccine
 - Vaccination regimens for small ruminants
 - Effective vaccination programs – *risk based*
 - Good quality vaccine; appropriate payload

Some (Major) Challenges Areas, cont'd

- Reporting and early warning:
 - Lack of early warning system and real-time disease reporting
 - Poor capture and reporting at village level
- Regional action plans:
 - FMD control for hot-spots (*ecosystems for virus emergence; re-emergence*)
 - Concerted regional control plan (*i.e., PHEFA, SEACFMD; political will*)
 - Animal movement management / understanding value chains
- Endorsement of public-private partnership
- Routine surveillance and sero-monitoring
- Competing priorities

FMD GLOBAL STRATEGY Progress

- Global FMD control is **feasible** and can be a driver to improve animal health systems, trade, nutrition and economic growth
- **PCP-FMD** approach and reinforcement of veterinary systems are gradually **gaining acceptance**. Sixty countries are engaged and 42 countries are closely monitored with notable evidence of advancement
- **Political will** and engagement of international and regional organizations and development partners are crucial to the startup and sustainability of FMD control
- **Funding** is needed to support the global strategy, particularly those countries at lower PCP stages
- **Vaccination** issues need to be addressed by the government authority and research community
- **Roadmap** meetings are being attended by third parties (... potential investors?), especially in West Eurasia and East Africa.



Conclusions

- The mechanism for PCP-FMD stage acceptance is developed
- Global FMD control is feasible and can be a driver to improve the animal health system
- The uptake of FMD control is different; west Eurasian countries are more advanced than other regions
- PCP-FMD approach and reinforcement of vet services are gradually gaining acceptance. Sixty countries are engaged and 42 countries are closely monitored with evidence of advancement.
- Political will and engagement of international and regional organizations and development partners are crucial to the startup and sustainability of FMD control
- PCP principles could be adopted and used for control of other TADs as an optional possibility and after regional and national discussions
- Funding is needed to support the global strategy, particularly those countries at lower PCP stages
- Vaccination issues need to be addressed by the government authority and research community
- Virus pools 5 and 6



Acknowledgments

- FAO Decentralized offices and ECTAD teams
 - OIE HQs and regional and sub regional offices
 - EuFMD secretariat
 - Continental-Regional organizations: AU-IBAR, IGAD, EU
 - Italian government for funding the FMD global secretariat, 2013-2015
- Former Members of the FMD WG: Jemi Domenech, Giancarlo Ferrari, Julio Pinto, Peter Deleeuw



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Thank you for your attention

