



**eofmd**  
european commission for the  
control of foot-and-mouth disease

**Oie**

# Progressive Control Pathway (PCP)

## FMD-PCP principles and assessment procedures

West Eurasia Regional Roadmap Meeting 2012

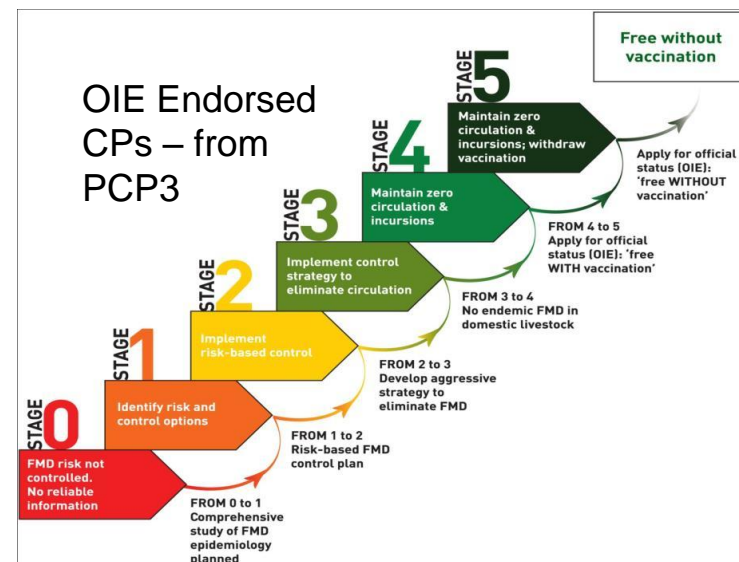
*Presented by: Melissa McLaws*

*On behalf of FAO/OIE/EuFMD PCP team*

# Progressive Control Pathway for FMD

- Background, principles
- Stage definitions and Focus
- PCP Assessment

- Acknowledgements
  - This is the work of MANY

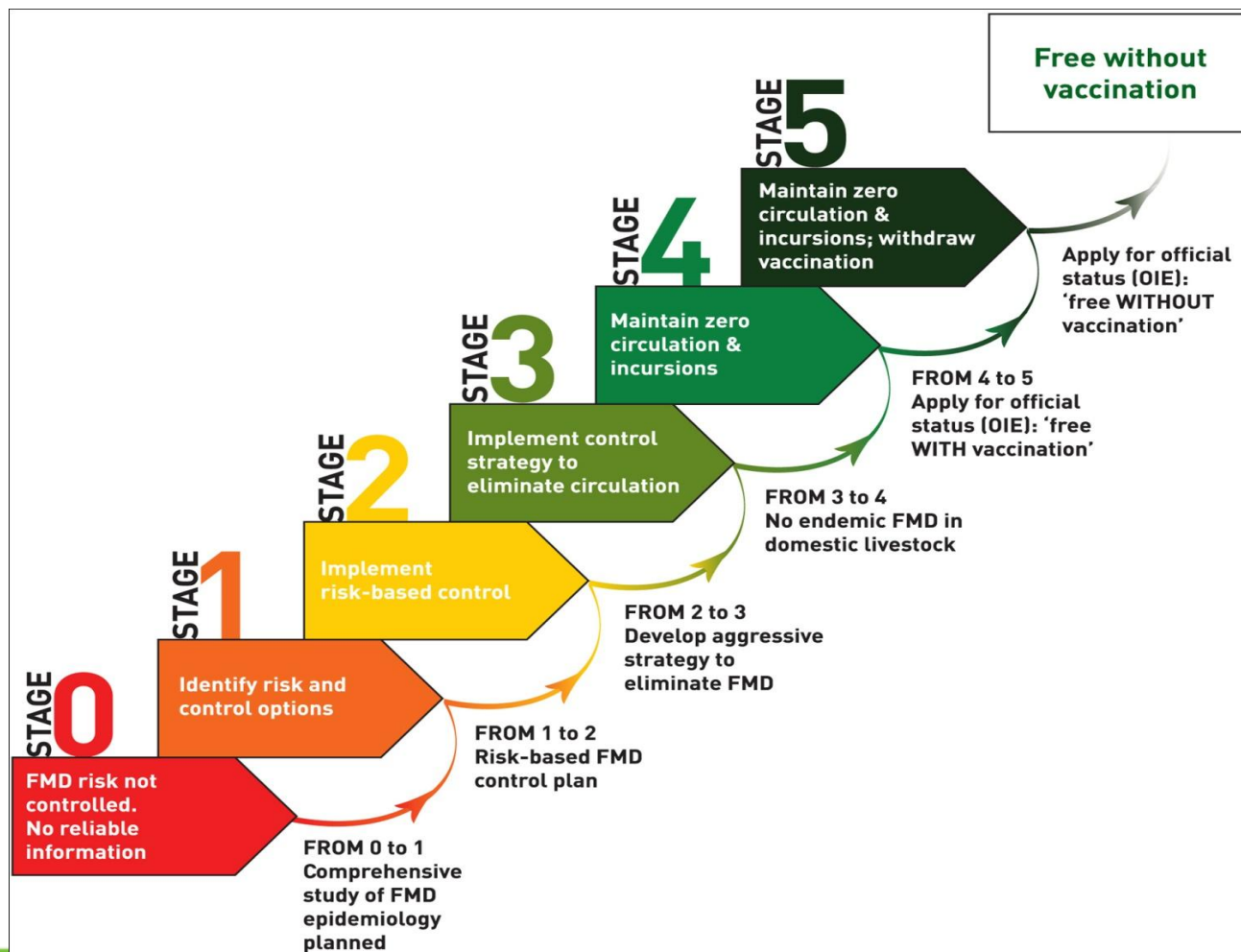


# Progressive Control Pathway

- Objective: Assist countries where FMD is endemic to progressively reduce the impact of FMD
- In use since 2008
- Joint FAO-EuFMD-OIE Tool
- Work in progress:
  - Assessment
  - Linkages to PVS

## The Progressive Control Pathway for Foot and Mouth Disease (PCP-FMD) :

- 5 stages
- Progressively increase the level of FMD control



# PCP-FMD activities

- Each stage has **well-defined outcomes**...which may be achieved through a variety of activities (**NON-prescriptive** approach)
- May be applied at **national level**  
...OR **targeted** geographically &/or to specific husbandry system(s)

## Tools used in PCP

- Repeated serological surveys
- Participatory approaches
- Value chain approach
- Socio-Economic analysis
- Market sampling
- Virological methods
- Outbreak investigation

## PCP promotes a regional approach to FMD control

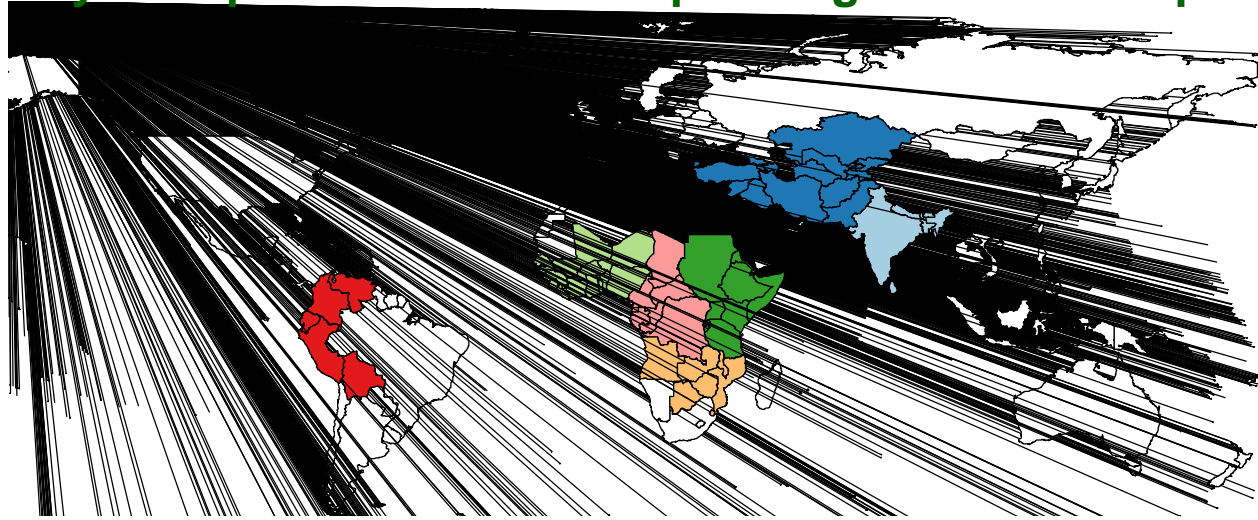
- Encourages transboundary FMD surveillance
- Facilitates regular exchange of information
- Permits comparison between countries

### W. Eurasia Roadmap to 2020

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Kazakh			1 (NEW)	2	2	2	2	3	3	3	3	4	4
Kyrgyz			0	1	1	2	2	3	3	3	4	4	5
Tajik			1	1	2	2	2	3	3	3	4	4	4
Turkmen			0 (NEW)	1	1	2	2	3	3	3	4	4	4
Uzbek			0 (NEW)	1	1	2	2	3	3	3	3	3	3
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IRN			2	2	2	3	3	3	4	4	4	4	5
PAK			1	1	2	2	2	3	3	3	4	4	4
East Anatolia (TR)			2	2	2	2	2	2	2	2	3	3	3
Thrace (TR)			new	4	4	4	5	5	5	5	5	5	5
Marmara				2	2	3	3	3	4	4	4	4	4
Aegean (TR)													
Central Anatolia (TR)				2	2	2	2	2	3	3	3	3	4?
Syria			1	2	2	3	3	3	4	4	4	4	5
Iraq													
Armenia			2	2	2	2	3	3	3	4	4	4	4
Azerbaijan			2 (NEW)	2	2	2	3	3	3	4	4	4	4
Georgia	pending		1	2	2	2	2	3	3	3	4	4	5

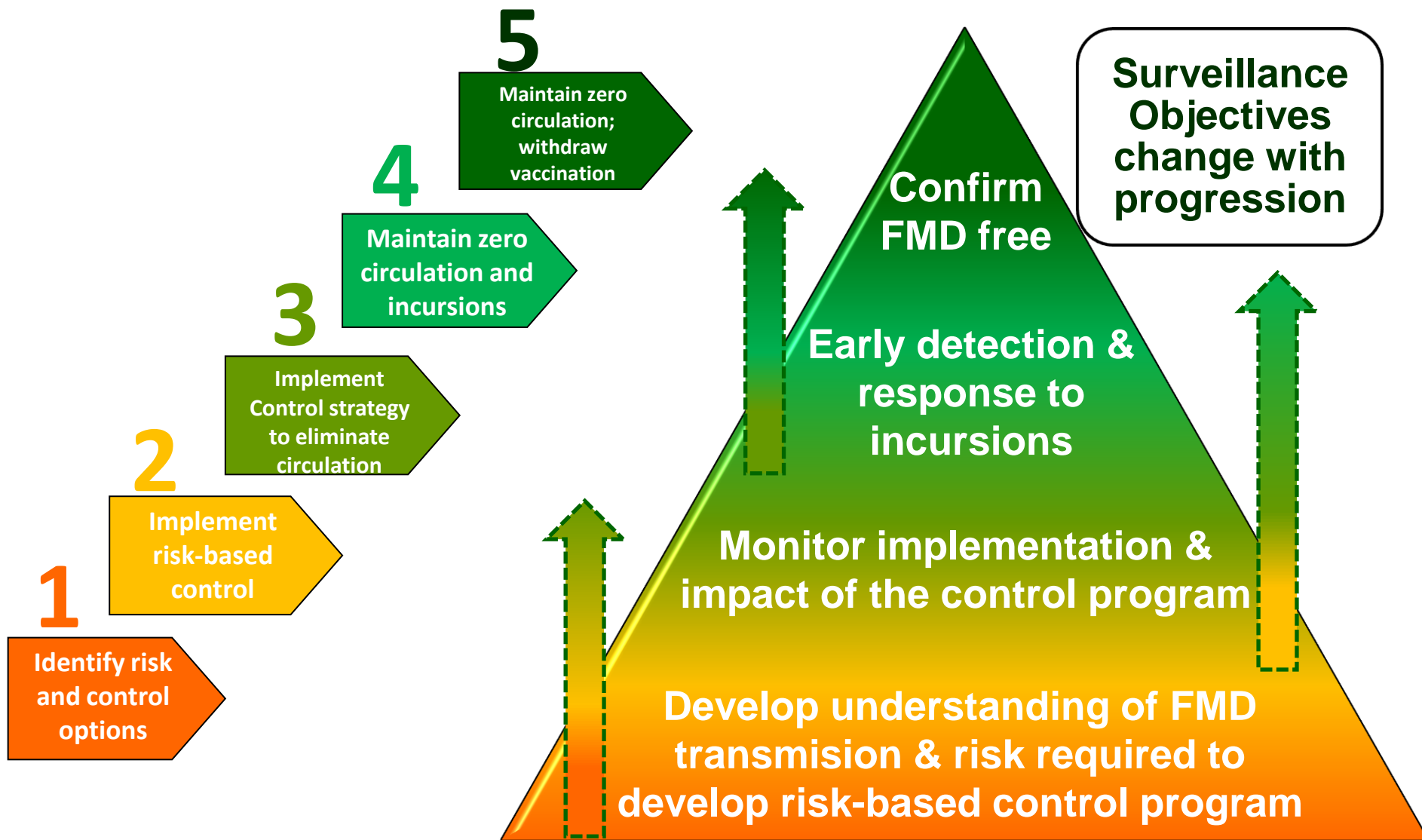
measured | forecast

## Country Groups that have developed Regional Roadmaps based on the PCP-FMD



- South Asia
- West Eurasia
- Western Africa
- Eastern Africa
- Central Africa
- South America
- Southern Africa

# Ongoing Surveillance is a key principle of the PCP



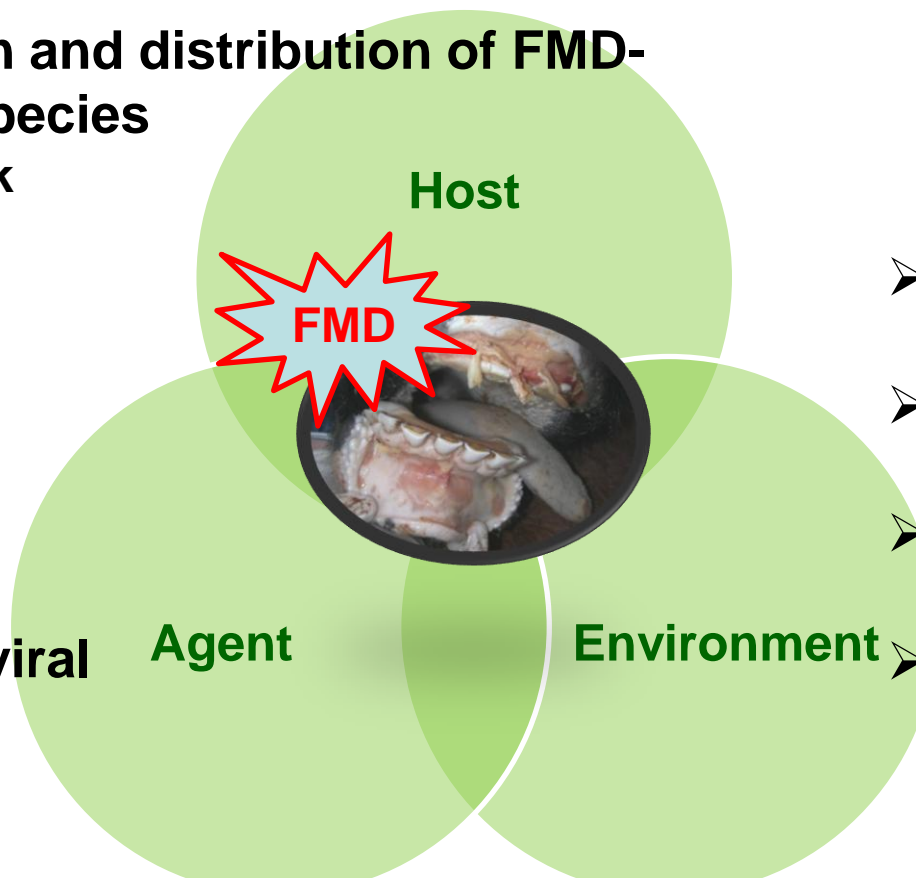
## Stage 1 : Gain understanding of epidemiology and develop risk-based approach to reduce FMD impact

### Understand Epidemiology

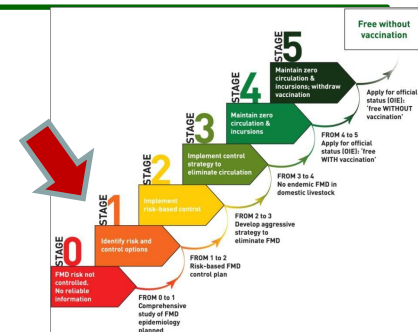
#### ➤ Composition and distribution of FMD-susceptible species

- ✓ Livestock
- ✓ Wildlife

- Prevalence
- Circulating viral strains
- Spatial distribution



- Husbandry systems
- Movements & marketing
- Socio-economic impact
- Strength of veterinary services



## ***Stage 1 : Gain understanding of epidemiology and develop risk-based approach to reduce FMD impact***

### ***Develop a risk-based approach:***

1. Identify risks: key transmission pathways, based on understanding of epidemiology
2. A **strategic FMD control plan** to reduce the impact of FMD in at least one area or husbandry sector is developed
  - Required to progress to Stage 2

## Stage 2 : Implement risk based control measures such that the FMD impact is reduced

Ongoing risk assessment PLUS risk management

Use of **measurable, objective indicators** essential to

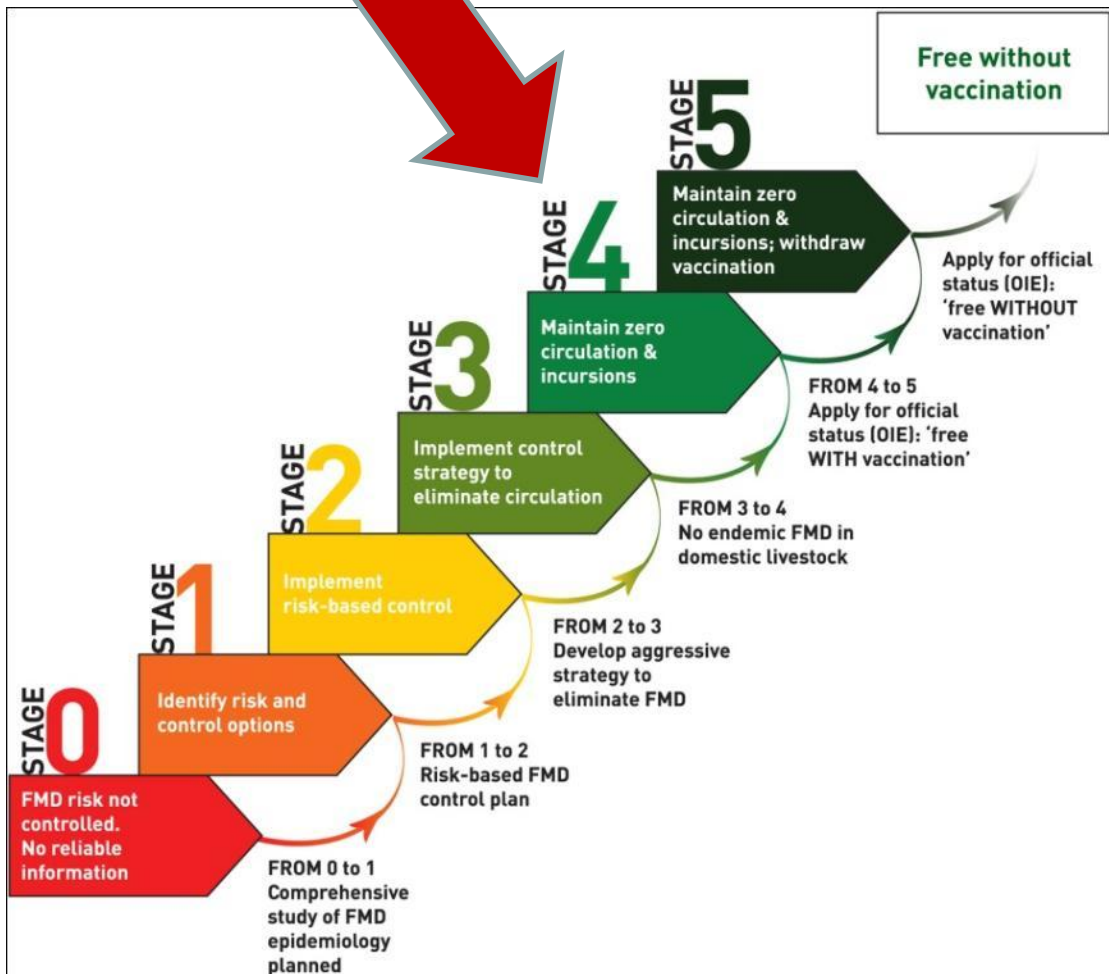
1. Demonstrate reduction in FMD impact

- E.g. Repeated surveys to estimate prevalence, socio-economic studies

2. Monitor implementation....and prove that reduced impact is related to the control measures

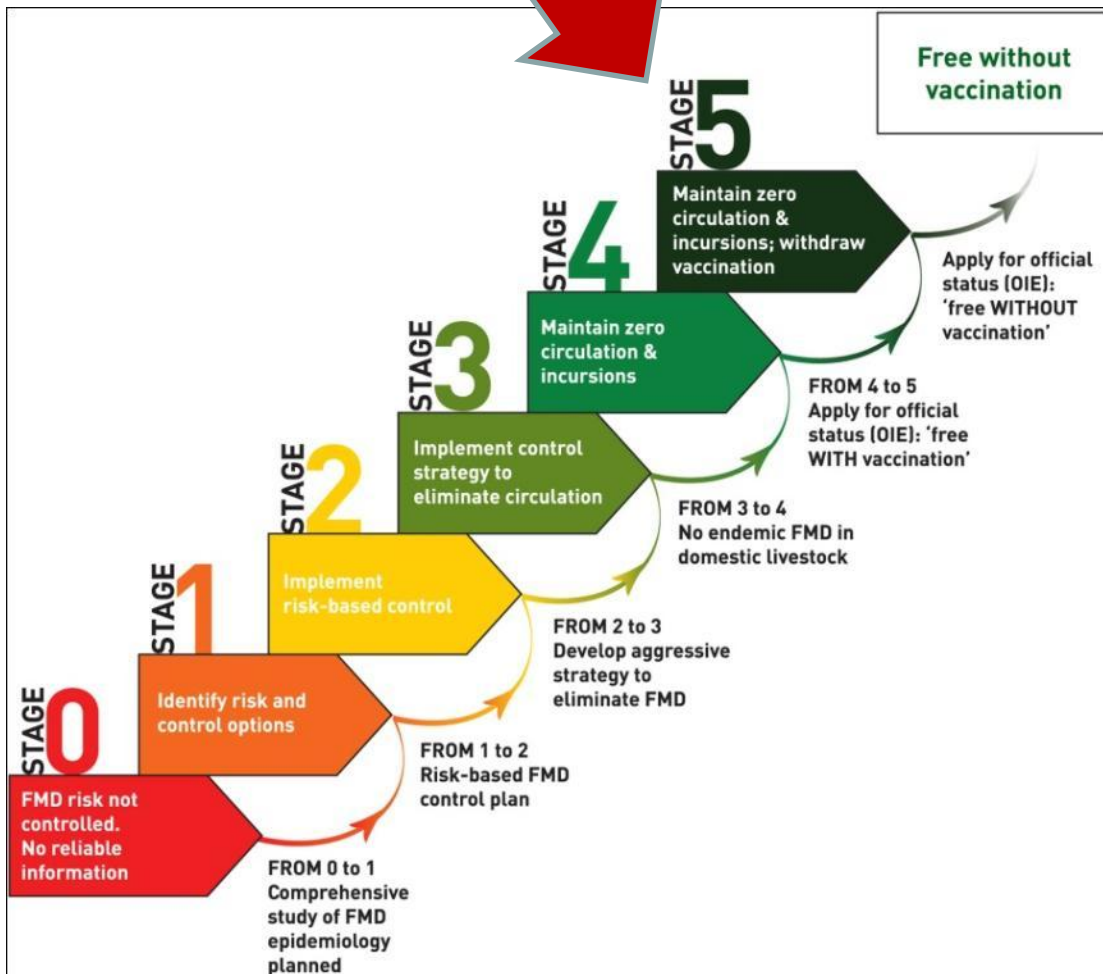
- E.g. Vaccine quality assurance, inspections to measure compliance with biosecurity and/or movement restrictions, repeated KAP surveys (Knowledge Attitude & Practice)





## PCP Stage 4 Focus:

“To maintain ‘zero tolerance’ of FMD within the country or zone and eventually achieve OIE recognition of FMD-free with vaccination”

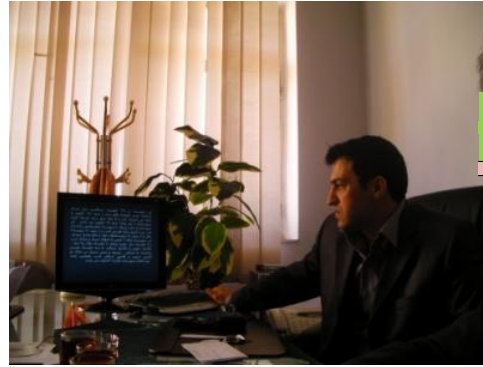


## PCP Stage 5 Focus:

“To maintain ‘zero incidence’ of FMD within the country/zone and eventually achieve OIE recognition of FMD-free without vaccination”

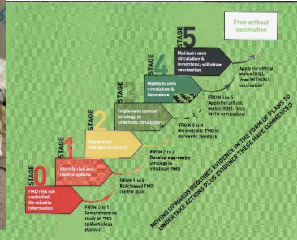
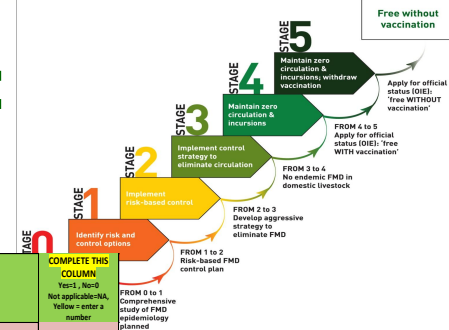


## Assessing progress along the PCP-FMD:



Outcome	Criteria	Questions	COMPLETE THIS COLUMN Yes=1, No=0 Not applicable=NA, Yellow = enter a number
Outcome 1		"Thoroughly described" means information is available about numbers, origin and destination, reasons (drivers or motives) for the movement and any seasonal patterns	
	Animal movements are understood	1.1 Are the movements of the key livestock species thoroughly described? 1.2 Are movements of cattle within the country thoroughly described? 1.3 Are movements of small ruminants within the country thoroughly described? 1.4 Are movements of swine within the country thoroughly described? 1.5 Are movements of cattle into the country thoroughly described? 1.6 Are movements of small ruminants into the country thoroughly described? 1.7 Are movements of swine into the country thoroughly described? 1.8 If there is transhumance or nomadic peoples, are the associated animal movement patterns thoroughly described?	
	Stakeholders and incentives	Stakeholders include farmers/producers PLUS all of the main players (people, organizations, companies) involved in breeding, transport of animals, milk/meat processing, feeding and marketing of animals. 1.9 Have key stakeholder categories involved in cattle production been identified? 1.10 Have key stakeholder categories involved in small ruminant production been identified? 1.11 Have key stakeholder categories involved in swine production been identified?	

Husbandry systems, livestock marketing network and associated socio-economic drivers are well described for 10 susceptible species



PROGRESSIVE CONTROL PATHWAY FOR FOOT-AND-MOUTH DISEASE CONTROL (PCP-FMD)

Principles, objectives and standards



# Objectives of assessment

## Primary

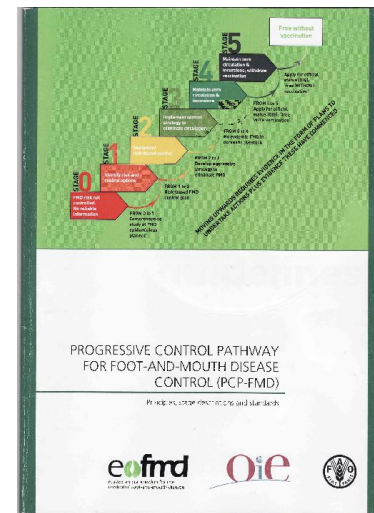
- Define current PCP status
- Track progress along PCP over time

## Secondary

- Enhance understanding
  - FMD situation in country
  - Of PCP...requirements to enter and comply at each Stage
- Identify areas of strength and weakness
  - areas where support is needed, priorities
- Develop Regional picture of FMD situation
  - Also for communication beyond region

# Principles of Assessment

- Based on PCP Guidelines
- Transparent, Evidence-based
- Consistent: regionally and globally
- Not too arduous



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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Country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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Bangladesh	1	1	1	1	1	2	2	2	2	3
Bhutan	1	1	1	1	1	2	2	2	2	3
India	3	3	3	3	4	4	4	4	4	4
Nepal	1	1	1	1	2	2	2	2	2	3
Pakistan	1	1	1	2	2	2	2	2	3	3
Sri Lanka	1	1	2	2	3	3	4	4	4	5



W. Eurasia Roadmap



SAARC Roadmap

# Assessment tools

*Based on PCP Guidelines:*

1. Checklist
2. Accompanying manual, glossary
3. Regional Roadmap meetings
4. External assessment



# Checklist



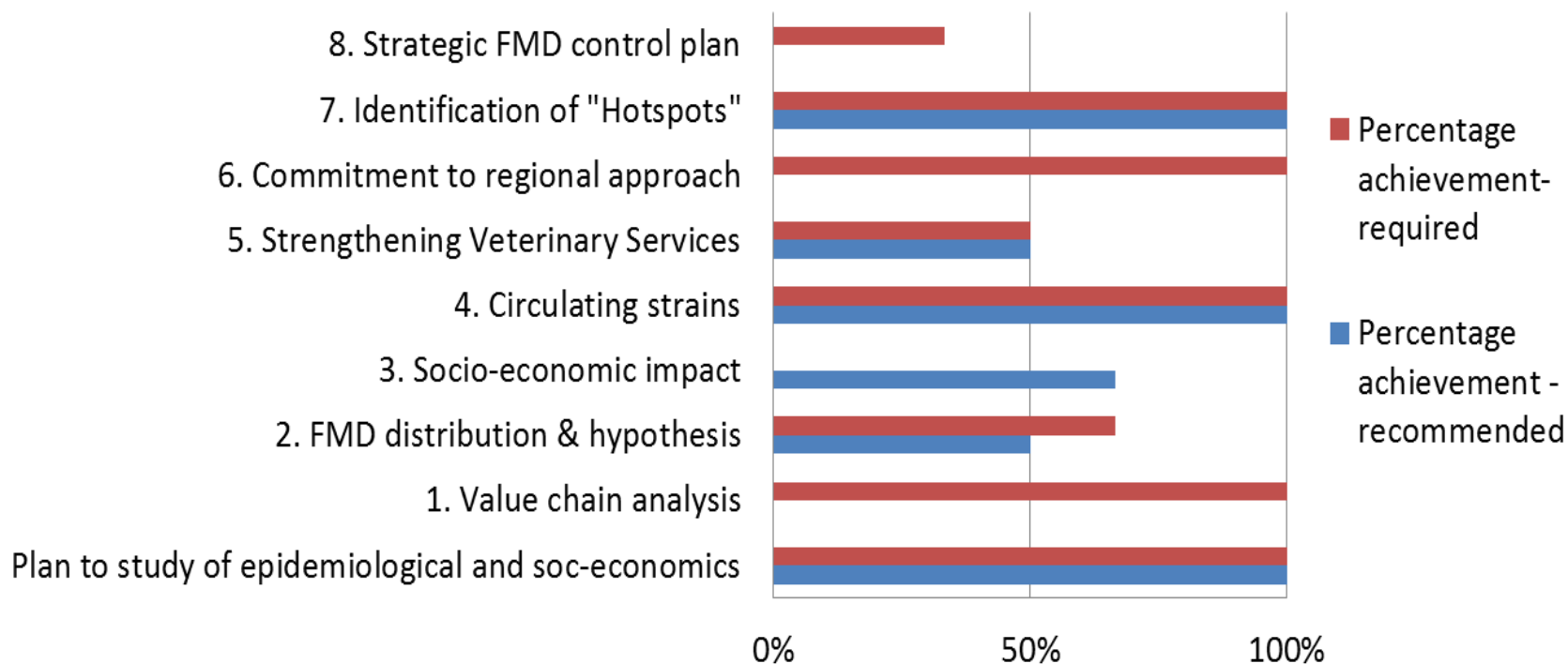
- **Yes/No** questions
- Based on the Outcomes that define the Stages in the PCP Guidelines
- ‘Required’ and ‘recommended’ achievements
  - eg: Stage 1 has 8 defined outcomes (Guidelines)
  - self-assessment for Stage 1 contains 62 questions addressing these 8 defined outcomes
    - 32 questions: positive answers are required to fulfil Stage 1,
    - 30 questions: positive answer are recommended for fulfilling Stage 1.

## Checklist: Stage 1

Outcome	Criteria	Questions	COMPLETE THIS COLUMN Yes=1 , No=0 Not applicable=NA, Yellow = enter a number
Outcome 1			
All husbandry systems, the livestock marketing network and associated socio-economic drivers are well described for FMD susceptible species	Animal movements are understood	<i>"Thoroughly described" means information is be available about numbers, origin and destination, reasons (drivers or motives) for the movement and any seasonal patterns</i>	
		1.1 Are the movements of the key livestock species thoroughly described?	
		1.2 Are movements of cattle <i>within the country</i> thoroughly described?	
		1.3 Are movements of small ruminants <i>within the country</i> thoroughly described?	
		1.4 Are movements of swine <i>within the country</i> thoroughly described?	
		1.5 Are movements of cattle <i>into the country</i> thoroughly described?	
		1.6 Are movements of small ruminants <i>into the country</i> thoroughly described?	
		1.7 Are movements of swine <i>into the country</i> thoroughly described?	
	1.8 If there is transhumance or nomadic peoples, are the associated animal movement patterns thoroughly described?		
	Stakeholders and incentives	<i>Stakeholders include farmers/producers PLUS all of the main players (people, organizations, companies) involved in breeding, transport of animals, milk/meat processing, feeding and marketing of animals.</i>	
		1.9 Have key stakeholder categories involved in cattle production been identified?	
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# Checklist: output

## Assessment for FMD PCPC Stage I



# Assessment procedure

- Under development:
  - Will use feedback from 2012 Roadmap meetings (Nairobi and Istanbul)



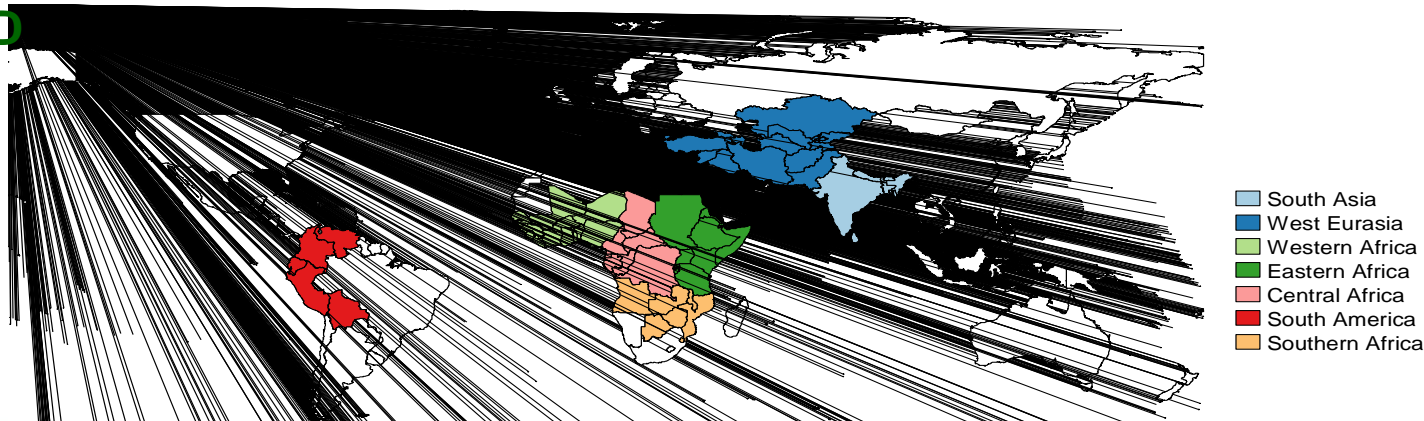
# Assessment procedure

- Each country to complete PCP checklist prior to Roadmap meeting
- Countries should come to the meeting with **evidence** to justify the checklist answers
  - Country presentations
  - reports, strategic documents
- At the conclusion of the meeting, a provisional PCP Stage will be assigned

# After the Roadmap meeting

- Further evidence may be requested:
  - examination of documentation (dossier)
  - mission to the country
- Provisional PCP Stage Assignments will be endorsed by GF-TADS regional and global committees

**Country Groups that have developed Regional Roadmaps based on the PCP-FMD**



# Acknowledgements

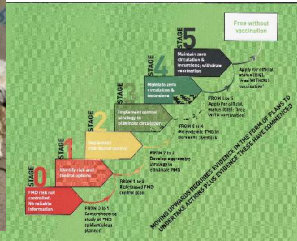
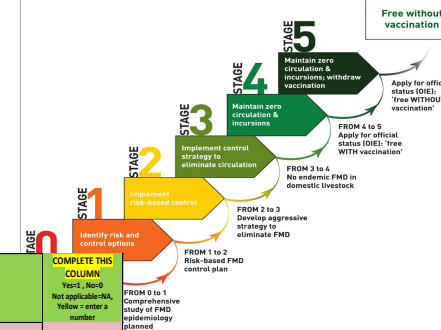
- Keith Sumption, Giancarlo Ferrari, Julio Pinto, Peter De Leeuw
- Chris Bartels
- Nadege Leboucq (FAO & OIE)
  - EUFMD Commission member states
  - CVOs of West Eurasian countries
  - EC (DG-SANCO –Trust Fund; Alf Füssel)
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  - OIE (G. Bruckner, J Domenech)
  - FAO World Reference Laboratory (WRL) Pirbright (D Paton, Jef Hammond)
- Supporting centres:
  - EUFMD Secretariat staff (Nadia Rumich)
  - RAHCs in Beirut, Tunis, FAO Ankara and Cairo

## Thank you!



Outcome	Criteria	Questions	COMPLETE THIS COLUMN Yes=1, No=0 Not applicable=NA, Yellow - enter a number
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Husbandry systems, livestock marketing network and associated socio-economic drivers are well described for 10 susceptible species



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