



FAO/OIE  
**GF-TADs**  
GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



**1- Progressive Control Pathway  
2- FMD Global Control Strategy**

**J. Domenech, OIE**

**On behalf of the**

**GF TADs FMD Working Group**

**GFRA Scientific Workshop, ARC-OVI, Hazyview,  
17-19 April 2012, Kruger Park, South Africa**

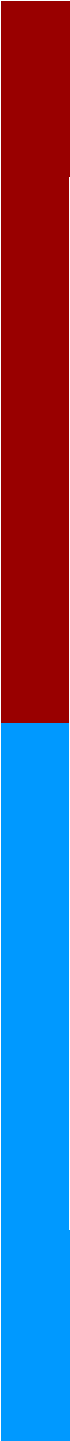


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## **1- Progressive Control Pathway for FMD control (PCP-FMD)**

**GFRA Scientific Workshop, ARC-OVI, Hazyview,  
17-19 April 2012, Kruger Park, South Africa**



**The Progressive Control Pathway  
for  
FMD control  
(PCP-FMD)**

*Principles, Stage Descriptions and Standards\**

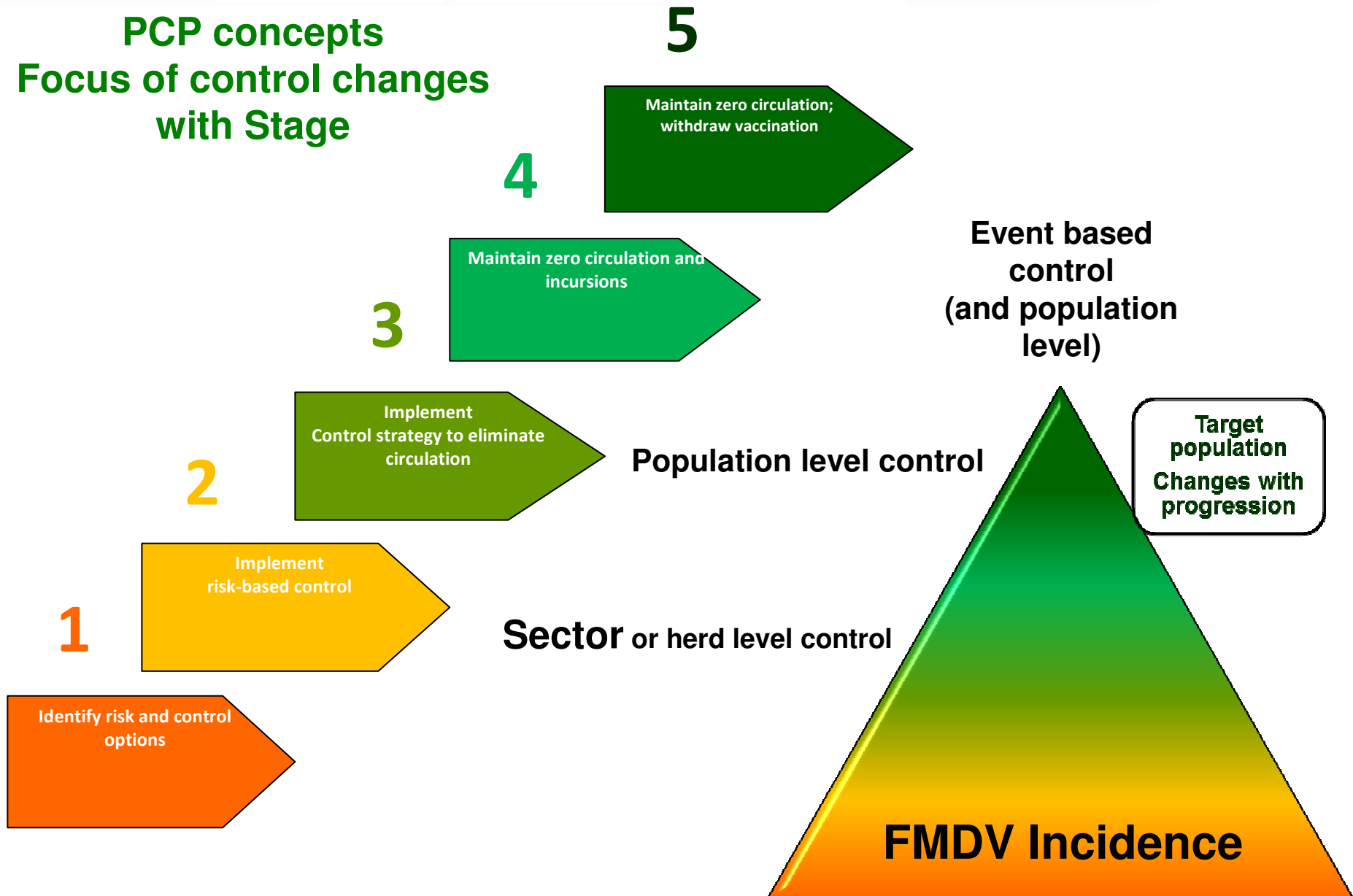


Faced with such challenges...the PCP –FMD needed to be :

- **Simple** – to communicate, and apply
- **Comprehensive** – technically sound, critical factors for success are addressed
- **Credible** – progress must be validated with evidence
- **Progressive** – easy to enter, each stage a base for progress
- **Risk based** – with focus on optimising impact of limited resources, avoid prescriptions
- **Rewarding** – potential gains from every Stage
- **Objective** – promoting and rewarding active monitoring and the use of evidence
- **Environmentally neutral** – and part of the solution to develop integrated approaches involving wildlife



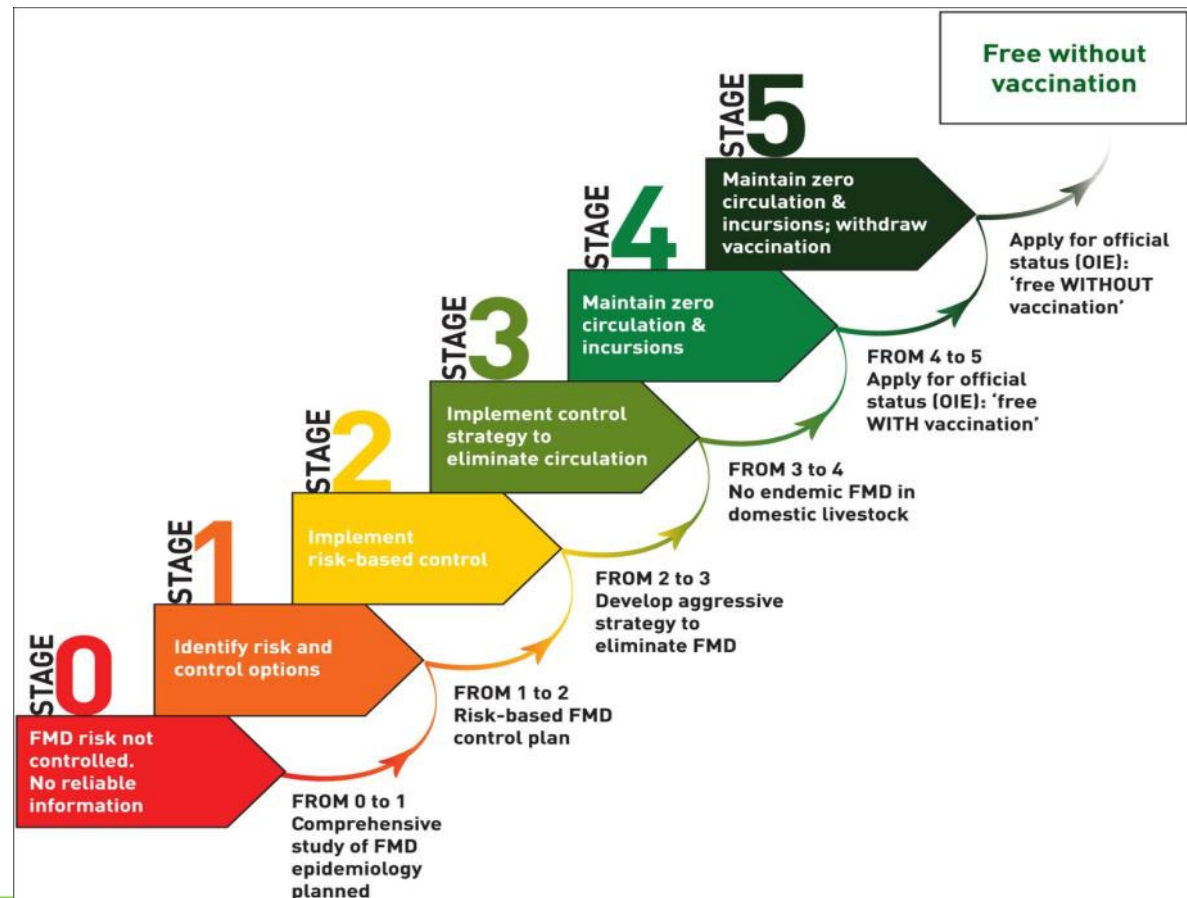
## PCP concepts Focus of control changes with Stage

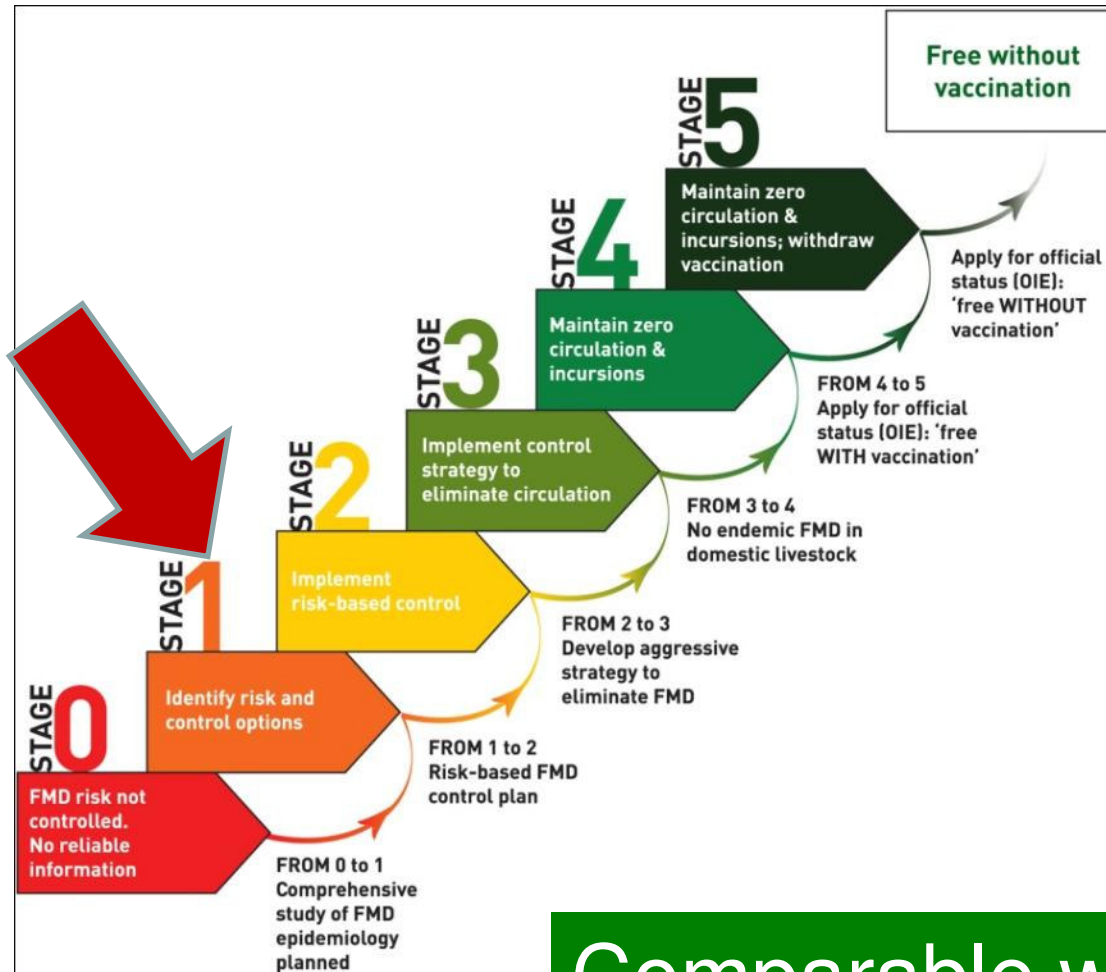




## The Progressive Control Pathway for Foot and Mouth Disease (PCP-FMD) : definitions and criteria for progress

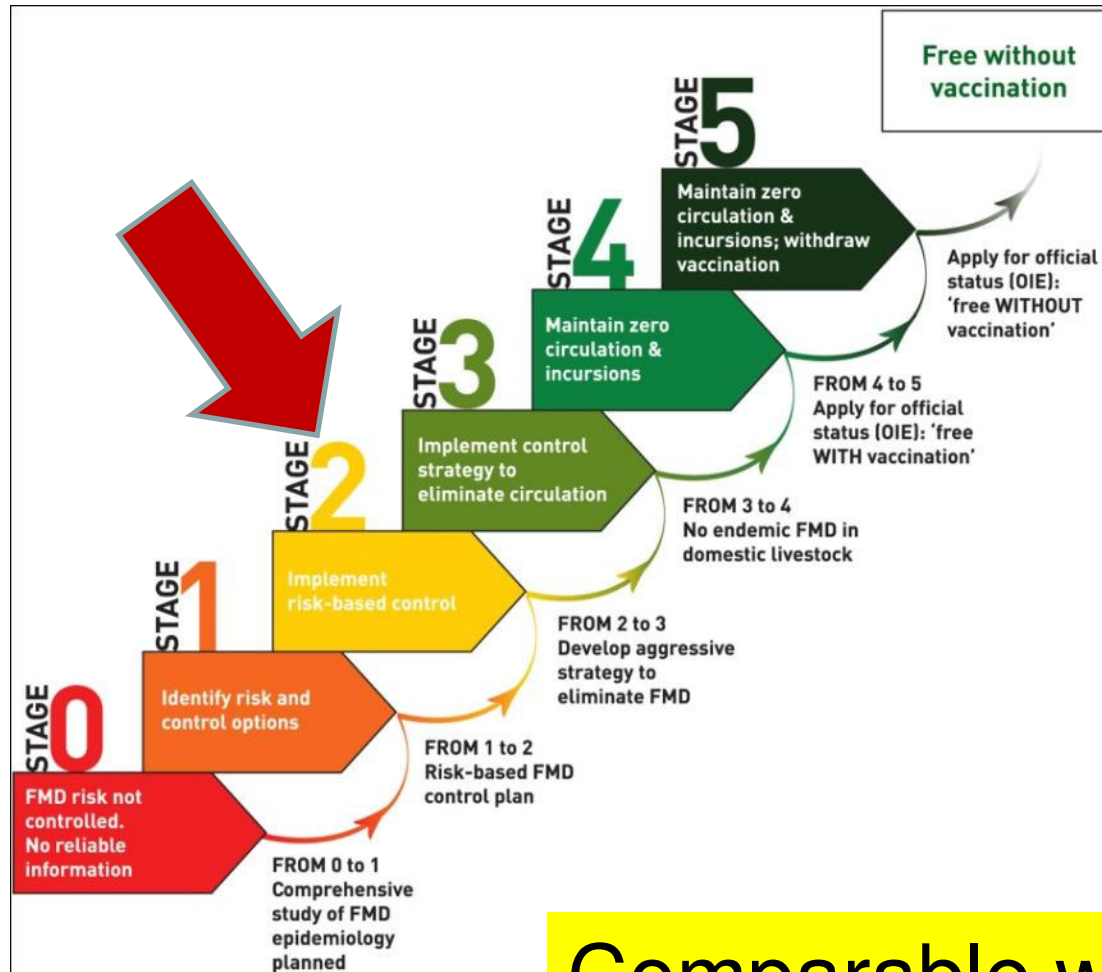
- 5 stages that progressively increase the level of FMD control
- Developed by FAO, EuFMD and OIE
- Intended to assist FMD-endemic countries to progressively reduce the impact and burden of FMD





**PCP Stage 1 Focus:** “To gain an understanding of the epidemiology of FMD in the country and develop a risk-based approach to reduce the impact of FMD”

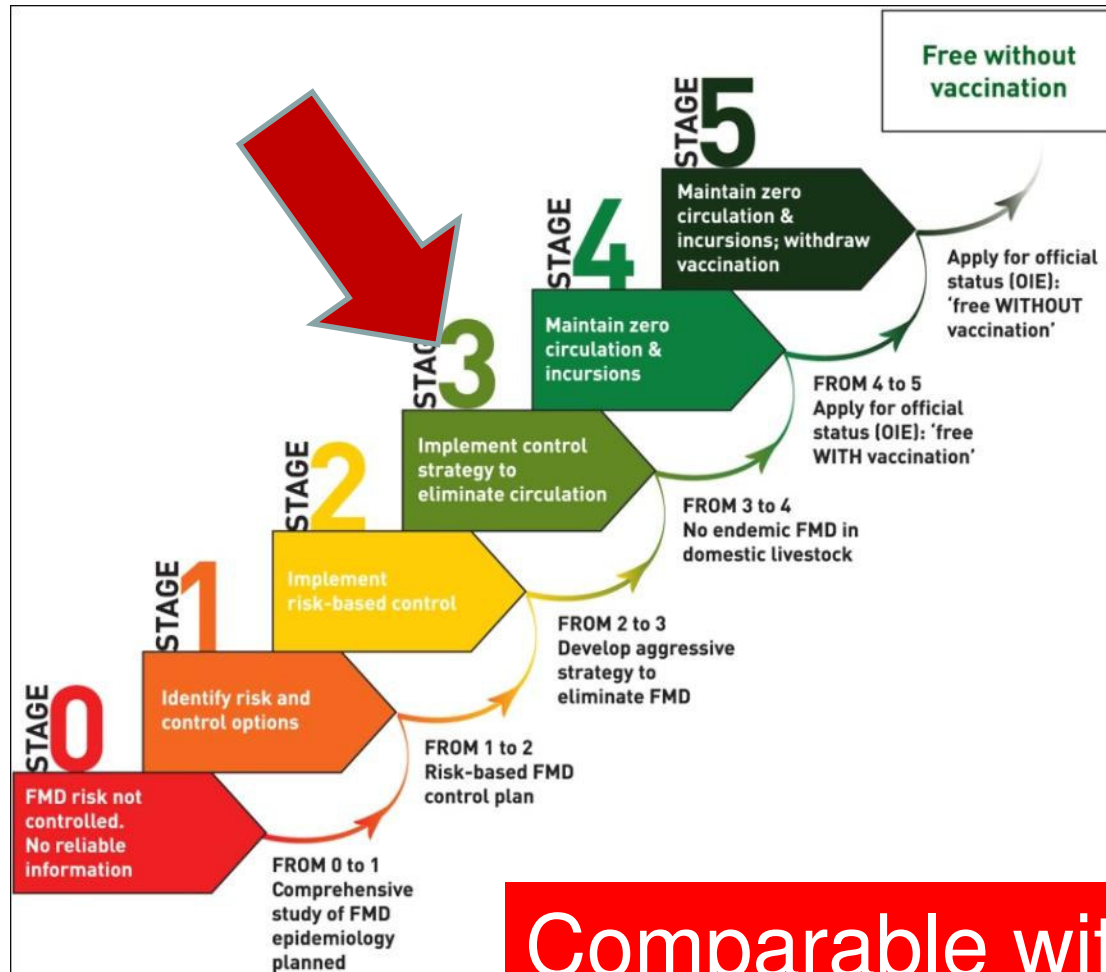
Comparable with Risk Assessment



**PCP Stage 2 Focus:** “To implement risk based control measures such that the impact of FMD is reduced in one or more livestock sectors and/or in one or more zones”

Comparable with sector level Risk Management

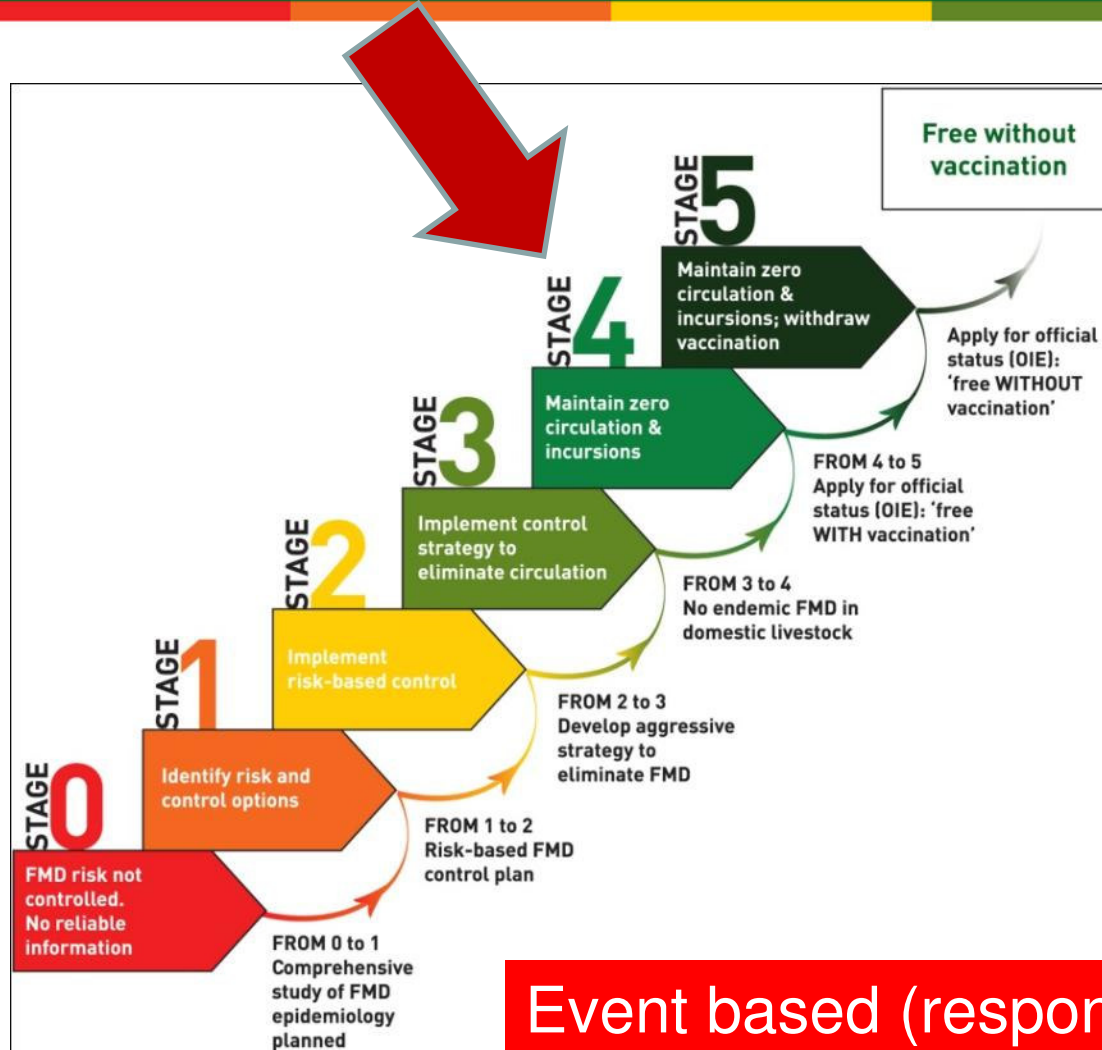




## PCP Stage 3 Focus:

“Progressive reduction in outbreak incidence, followed by elimination of FMD virus circulation in domestic animals in at least one zone of the country”

Comparable with population level Risk Management



**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”

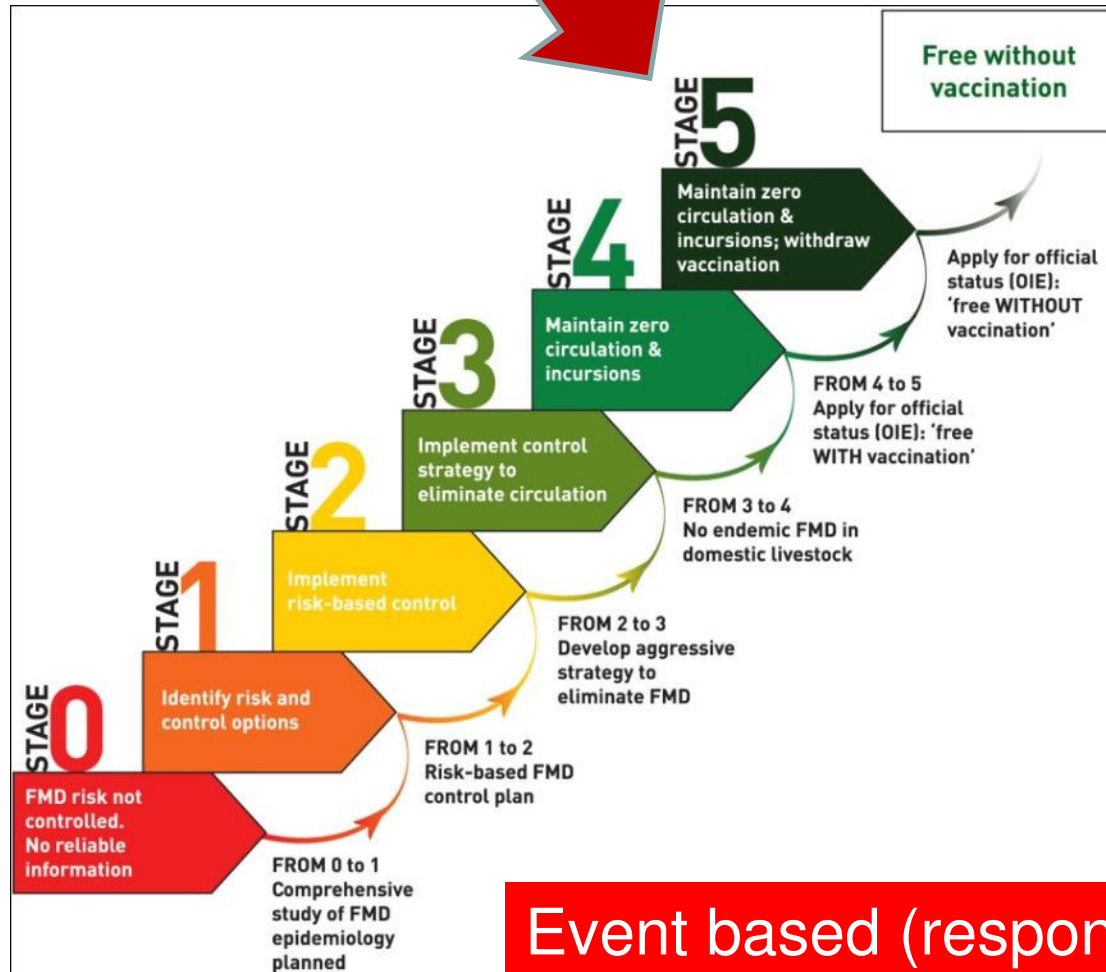
Event based (respond/eliminate) control - in addition to population level risk management



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

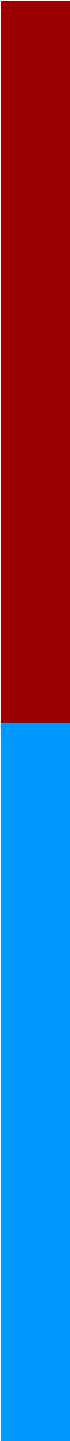


## Progressive Control Pathway (PCP)



**PCP Stage 5 Focus:** “To maintain ‘zero incidence’ of FMD within the country/zone and eventually achieve OIE recognition of FMD-free without vaccination”

Event based (respond/eliminate) control - in non-vaccinated populations



**Guide to the Self Assessment Form (Checklist)  
of the Progressive Control Pathway for Foot and Mouth Disease  
(PCP-FMD)**

*(February 2012)*



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## **2- FMD Global Control Strategy**

**Objectives, major principles, tools  
Regional Road Maps**

**GFRA Scientific Workshop, ARC-OVI, Hazyview,  
17-19 April 2012, Kruger Park, South Africa**



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# **The Global FAO-OIE FMD Control Strategy**

**Strengthening animal health  
systems through improved control  
of major diseases (2012-2026)**



## **Recommendation of the First International Conference on FMD Control, Asuncion, June 009:**

- To establish an GF TADs FMD Working Group**
- To prepare an FMD Global Control Strategy**

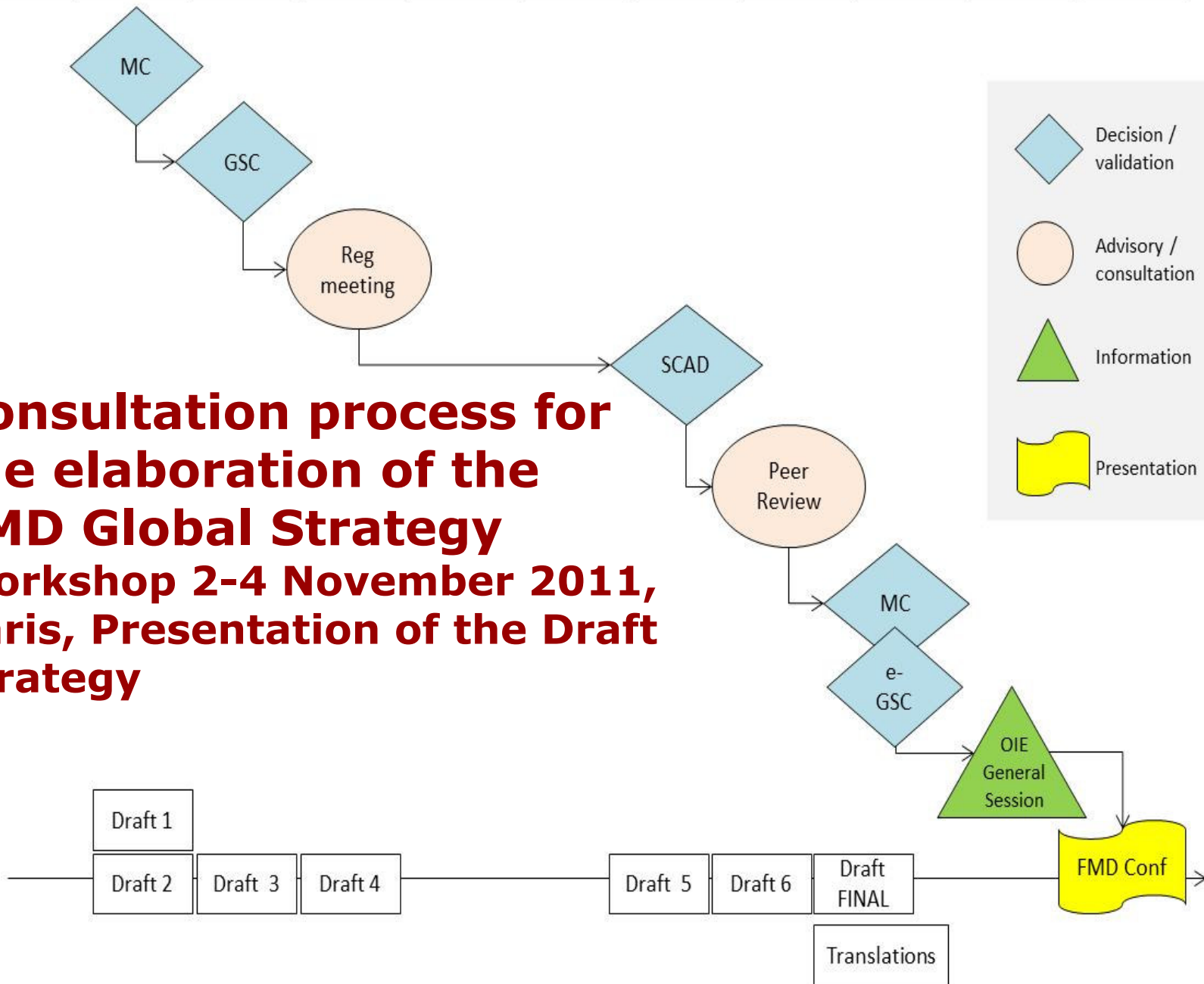
## **Resolution of the 79th General Session, OIE, May 2011:**

**Support to the preparation of an FAO-OIE GF TADs Global FMD Control Strategy**

August 2011	September 2011	October 2011	November 2011	December 2011	January 2012	February 2012	March 2012	April 2012	May 2012	June 2012
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## Consultation process for the elaboration of the FMD Global Strategy

Workshop 2-4 November 2011, Paris, Presentation of the Draft Strategy





# **Outline of the Global Foot and Mouth Disease Control Strategy**

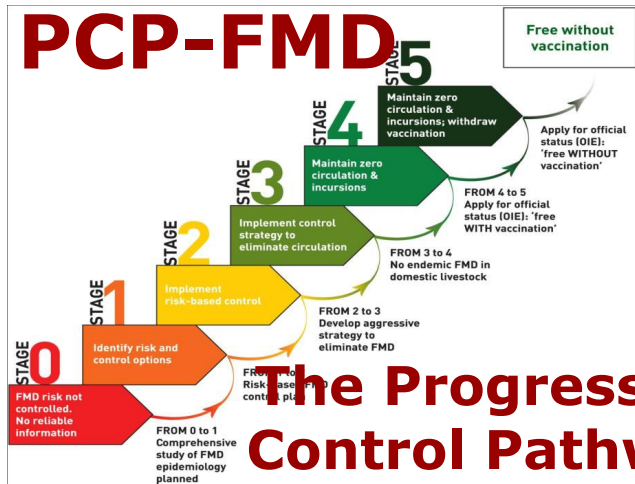
- 1. Context of the Strategy (history and present worldwide FMD situation)**
- 2. Rationale for FMD control**
  - In developing countries food security and increased income generation through raising animal production and better market opportunities (FMD damage gravely underestimated - overview of related socio-economic studies)**
  - In developed countries reduced risk for FMD virus introduction**
  - Spin off effects:**
    - improved animal health systems (output 2)**
    - Better control of other TADs (output 3)**

# 3. Tools

OIE standards  
new article in  
the Terr. Code

Laboratories

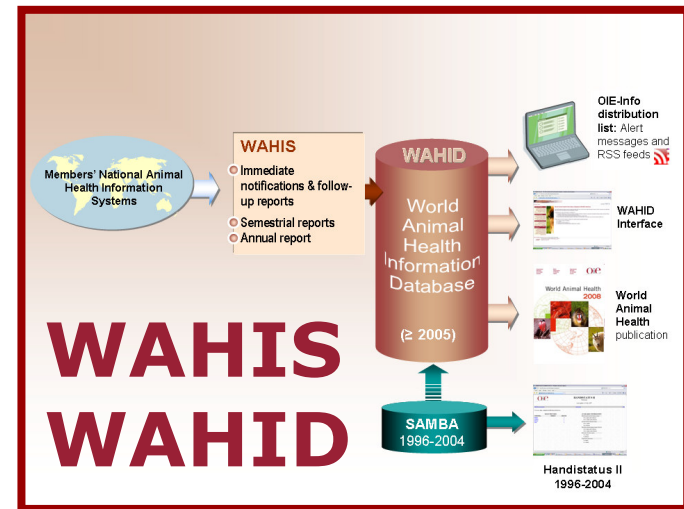
## PCP-FMD



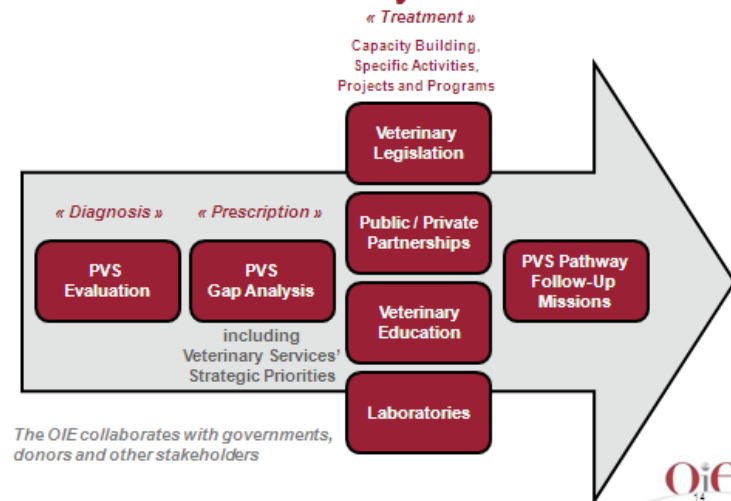
## The Progressive Control Pathway for Foot and Mouth Disease

Vaccines

## Surveillance systems



## The OIE PVS Pathway





**Other tools in *more advanced FMD control stages*:**

- **Emergency response**
- **Identification of farms and animals**
- **Biosecurity**
- **Public/private partnerships**

**4. Already well-established Regional Programs: building experience**

**SEACFMD and PHEFA (South America)**

**5. Research needs and expectations (research funding requested, but only foreseen for specific purposes)**

## **6. Activities: the strategy**

### **Underlying principles**

- **The world is a global village**
- **We can do better with existing tools**
- **Prevention for FMD free countries should include support to fighting/eliminating the disease at source**
- **Risk-based approach at country level in FMD endemic countries, mainly based on the PCP**
- **FMD control hand in hand with improvement of veterinary services (spin-off effect)**



## **Underlying principles (cont.)**

- **The strategy is tailored according to the national and regional situations**
- **Concept of regional virus pools**
- **Interim benefits along the pathway to control and eradication to be constantly assessed**
- **FMD control is considered to be a global public good**
- **Firm political and economic commitment**

# Activities at global level



**(FAO, OIE, through FMD-WG)**

- **Advocacy and communication: FMD control is considered to be a global public good**
- **Further development/roll out of the Global Strategy**
- **Technical support to FMD endemic countries (by assisting with programs, projects, list of approved experts)**
- **Harmonization/coordination of acceptance procedure of country PCP status (with clear role of GF-TADs regional Steering Committees)**
- **Monitoring progress and constraints, Annual report of global FMD control situation**

# Activities at regional level

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## Regional GF-TADs Steer. Committees

- **Try to combine FMD control strategy with other regional priorities (disease control or production programs) to increase incentives (for instance PPR)**
- **Create and support laboratory and epidemiology networks**
- **Support regional labs (for vaccine quality control); set up vaccine banks where appropriate**
- **Conduct regional roadmap meetings to exchange information, to coordinate, to stimulate and to review progress and remove constraints**

# Activities at country level



**Capacity building through Technical Cooper. Projects and specific training:**

- At central Veterinary Service level (epidemiological expertise, laboratory, organization, finances, legislation)**
- At regional Veterinary Service level (operational)**
- In the field (vets, paravets, veterinary assistants, laboratories...)**

**To build relationships and trust with farmers, small holders, other stakeholders**

**To increase awareness through better information**

**To raise laboratory capabilities**



# 7. Limiting factors



**Political commitment, Vet. Services,  
Economical capacity**

**No clear benefits other than exports**

**Movement controls, Globalisation of trade**

**Wildlife reservoir**

**Epidemiology knowledge**

**National surveillance systems,**

**International surveillance**

**Laboratory capacities and regional networking**

**Vaccination: mass vaccination, vaccines,  
vaccine quality control**

**Education, training**

**Private Public Partnership**



## **8. Implementation, governance**

**-International level**

**-Regional level**

**-National level**

## **9. Conclusions**



## **Part B**

# **Action Plan and Cost of the strategy**

## **Part C**

# **Portfolio and Financial Gaps**

## **Bibliography**

## **Annexes**




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# **The Global FAO-OIE FMD Control Strategy**

**And its articulation to regional  
initiatives, including  
Regional Road Maps**

# FMD: 7 regional virus pools

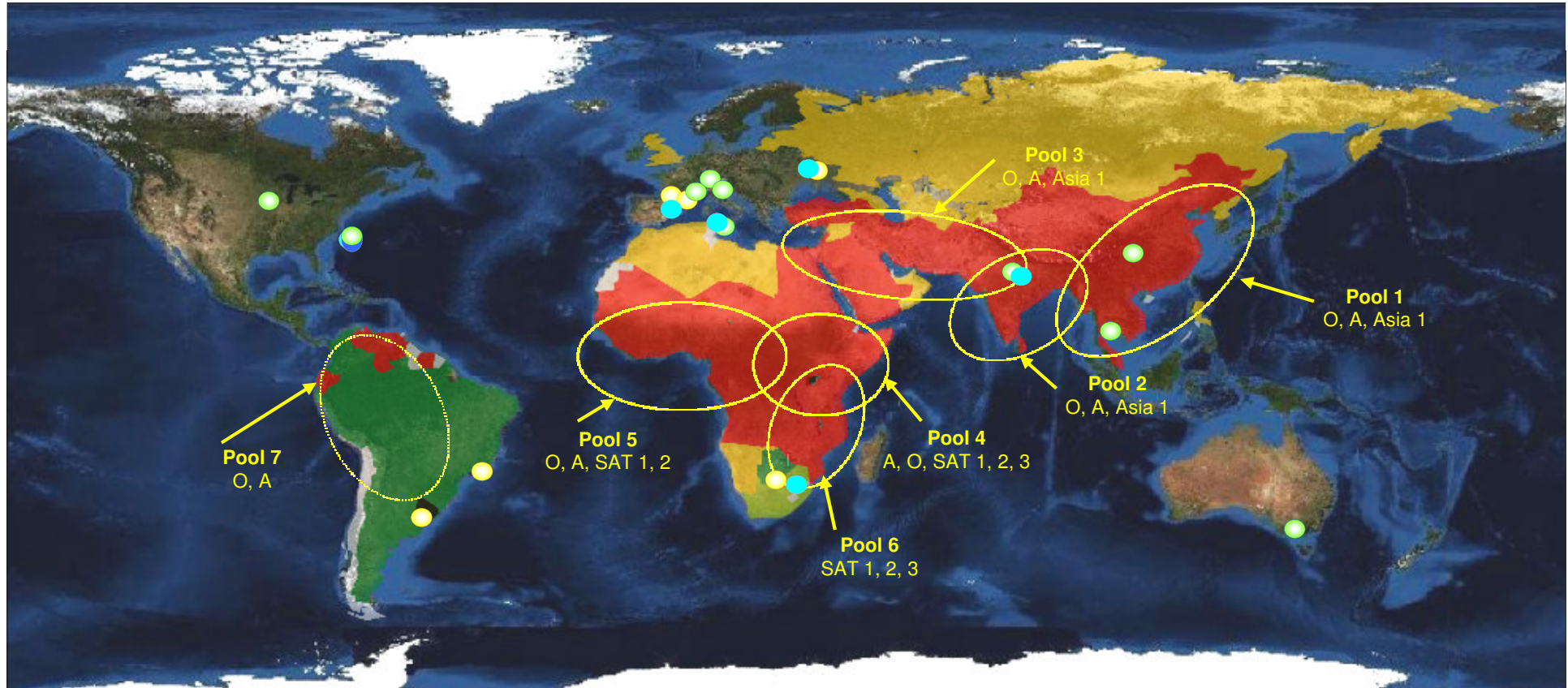
 Reference Laboratories and Collaborating Centres



Reference Centres  
(UK, Belgium, Italy, South Africa, India, Russian Fed – at 3/09)



Regional/National Reference Centres



 FMD - Free

 Free. Virus present in game parks

 Intermediate, sporadic

 Endemic

 Free with vaccination

 Countries with multiples zones

Source: Annual OIE/FAO FMD Reference Laboratory Network Report, 2007



# Some regional programmes

- **South Asia**
- **West Eurasia**
- **East Africa**
- **SEA C FMD**
- **OIE/JTF Project, FMD Control for Asia**
- **Southern America: PHEFA, CVO/PAMA**
- **European Union**



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# **FMD PCP Road Map West Eurasia**

## **Meeting 27-29 March 2012, Istanbul**





eofmd  
European Commission for the  
control of foot-and-mouth disease

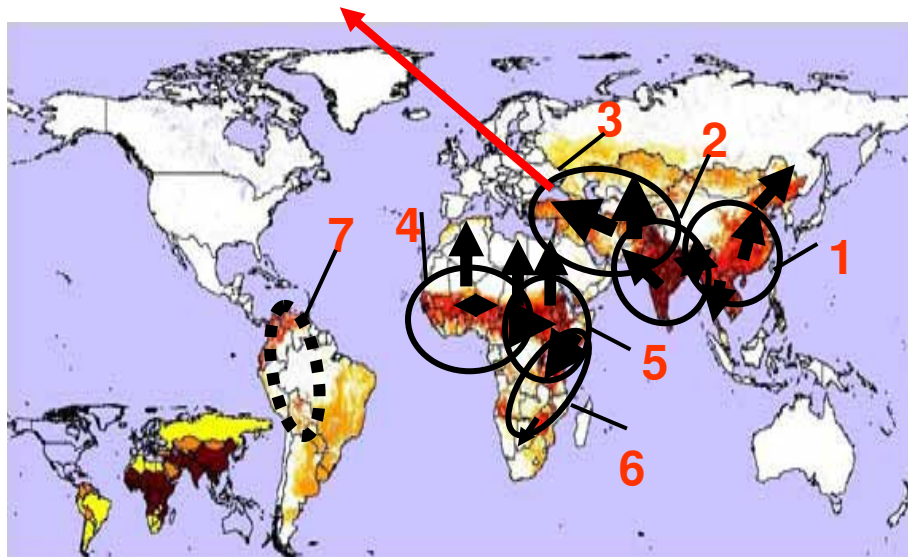


# Progressive Control Pathway (PCP)

## West-Eurasia regional roadmap

		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
		Shiraz	Istanbul	Istanbul										
West Eurasia	Afghanistan	Red	Orange	Yellow	Light Green	Green	Dark Green	Black						
	Armenia	Yellow	Light Green	Green	Dark Green	Black								
	Azerbaijan	Yellow	Light Green	Green	Dark Green	Black								
	Georgia	Yellow	Light Green	Green	Dark Green	Black								
	I.R. Iran	Yellow	Light Green	Green	Dark Green	Black								
	Iraq	Yellow	Light Green	Green	Dark Green	Black								
	Kazakhstan	Yellow	Light Green	Green	Dark Green	Black								
	Kyrgyzstan	Yellow	Light Green	Green	Dark Green	Black								
	Pakistan	Red	Orange	Yellow	Light Green	Green	Dark Green	Black						
	Syria	Yellow	Light Green	Green	Dark Green	Black								
	Tajikistan	Yellow	Light Green	Green	Dark Green	Black								
	Turkey	Yellow	Light Green	Green	Dark Green	Black								
	Turkey Thrace	Light Green	Green	Dark Green	Black									
	Turkmenistan	Red	Orange	Yellow	Light Green	Green	Dark Green	Black						
	Uzbekistan	Red	Orange	Yellow	Light Green	Green	Dark Green	Black						

	N	Z
Level 0	Red	Vertical Red Stripes
Level 1	Orange	Vertical Orange Stripes
Level 2	Yellow	Vertical Yellow Stripes
Level 3	Light Green	Vertical Light Green Stripes
Level 4	Green	Vertical Green Stripes
Level 5	Dark Green	Vertical Dark Green Stripes







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# **FMD PCP Road Map for East Africa**

## **Meeting 5-6 March 2012 , Nairobi**





**FAO/OIE Sub-Regional Seminar**  
**“Progressing towards Foot and Mouth Disease  
(FMD) Control and OIE recognized status of  
SADC Member States”**



**Oie**

World Organisation for Animal Health  
SUB-REGIONAL REPRESENTATION FOR SOUTHERN AFRICA  
SRR Southern Africa



Food and Agriculture Organisation  
of the United Nations  
Emergency Centre for Trans-boundary Animal Diseases  
ECTAD Southern Africa

**Regional Animal Health Centre  
for Southern Africa  
Gaborone, Botswana**

**16-18 March, 2011**

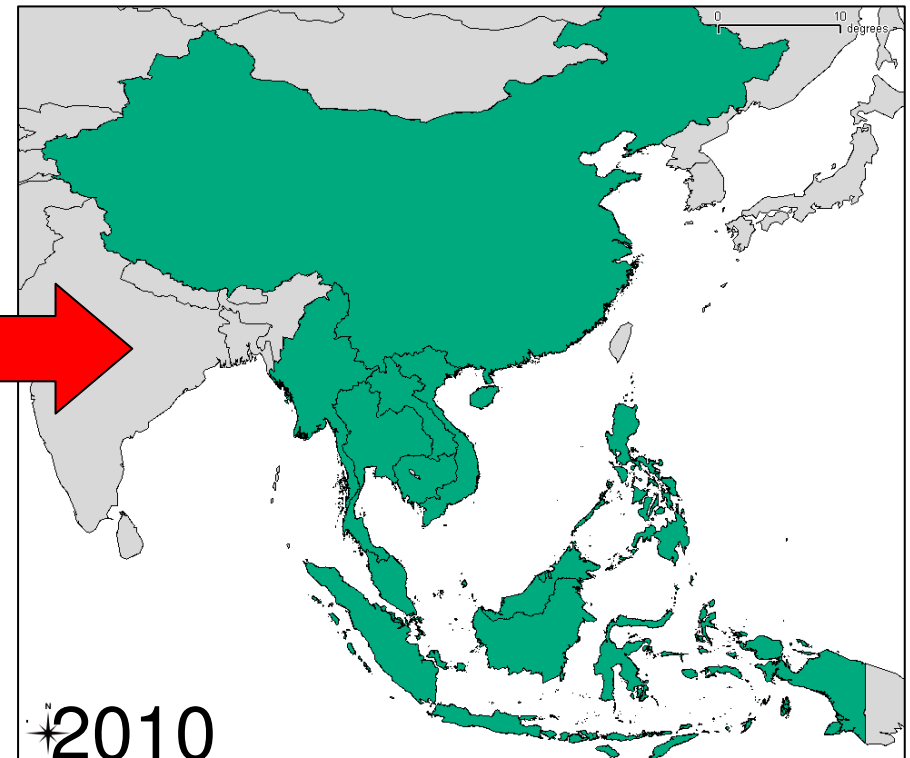
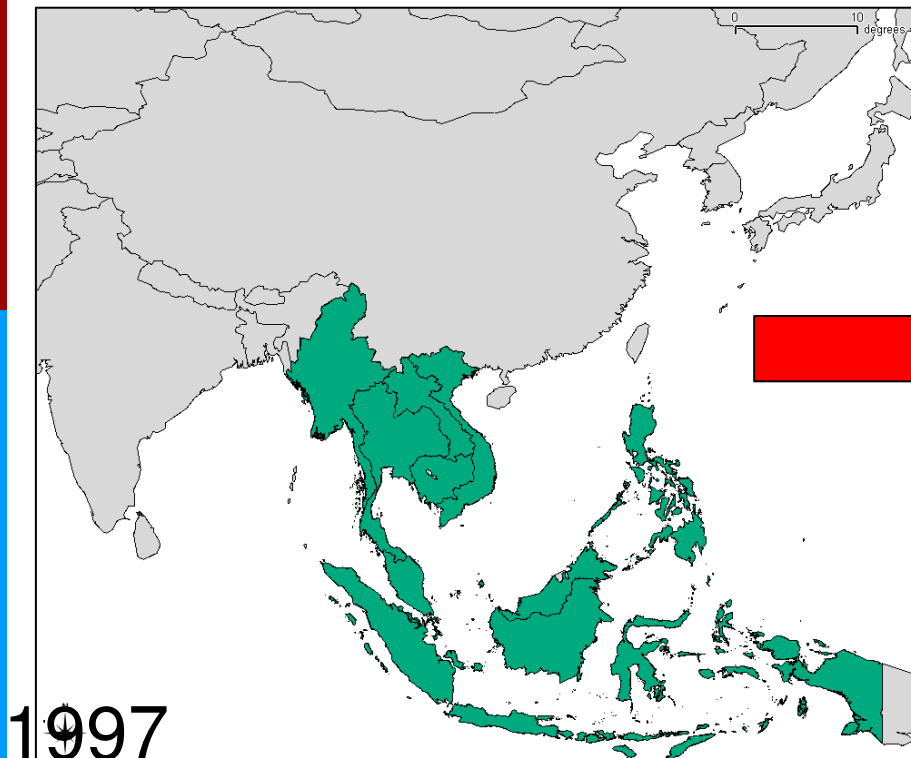


Countries	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Angola	1	1	1	2	2	2	3	3	3	3
Angola (zonal)	1	1	1	2	2	3	3	4	4	4
Congo (Dem. Rep. of the)	1	1	1	1	2	2	2	2	2	3
Malawi	3	3	3	3	3	3	3	3	3	3
Malawi (zonal)	3	3	3	4	4	4	4	4	4	4
Mozambique	2	2	3	3	3	3	3	3	3	3
Mozambique (zonal : Tete, Manica)	2	2	3	3	3	5	5	5	5	5
Mozambique (zonal : south)	2	2	3	3	4	4	4	4	4	4
Seychelles	hist.freed.	5	5	5	5	5	5	5	5	5
Tanzania	1	1	2	2	2	3	3	3	3	3
Tanzania (zonal : mainland)	1	1	2	2	2	3	3	4	4	4
Tanzania (islands : Zanzibar, Pemba)	1	1	2	3	3	4	4	4	4	4
Zambia	2	2	3	3	3	3	3	3	3	3
Zambia (zonal)	2	2	3	3	4	4	5	5	5	5
Zimbabwe	1	2	3	3	3	3	3	3	3	3
Zimbabwe (zonal)	1	2	3	3	3	4	4	5	5	5



# SEACFMD Campaign

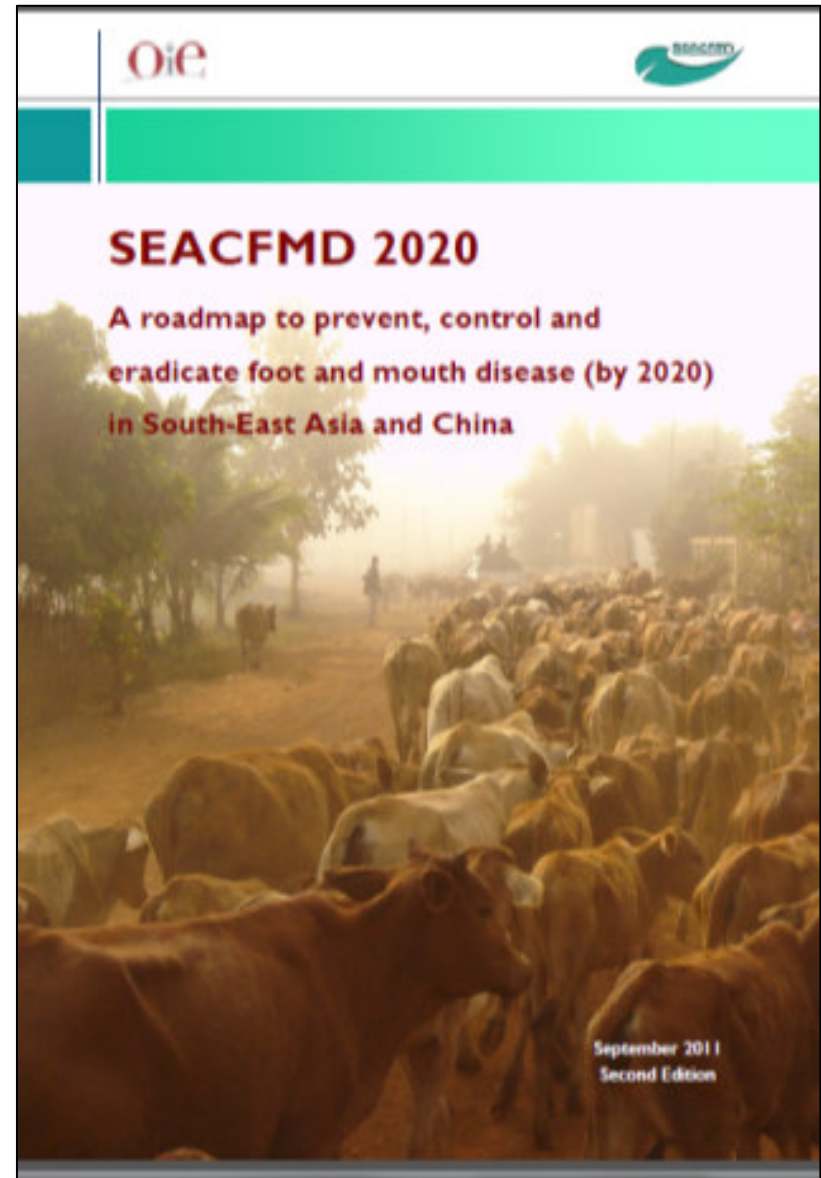
# The South East Asia and China Foot and Mouth Diseases (SEACFMD) Campaign



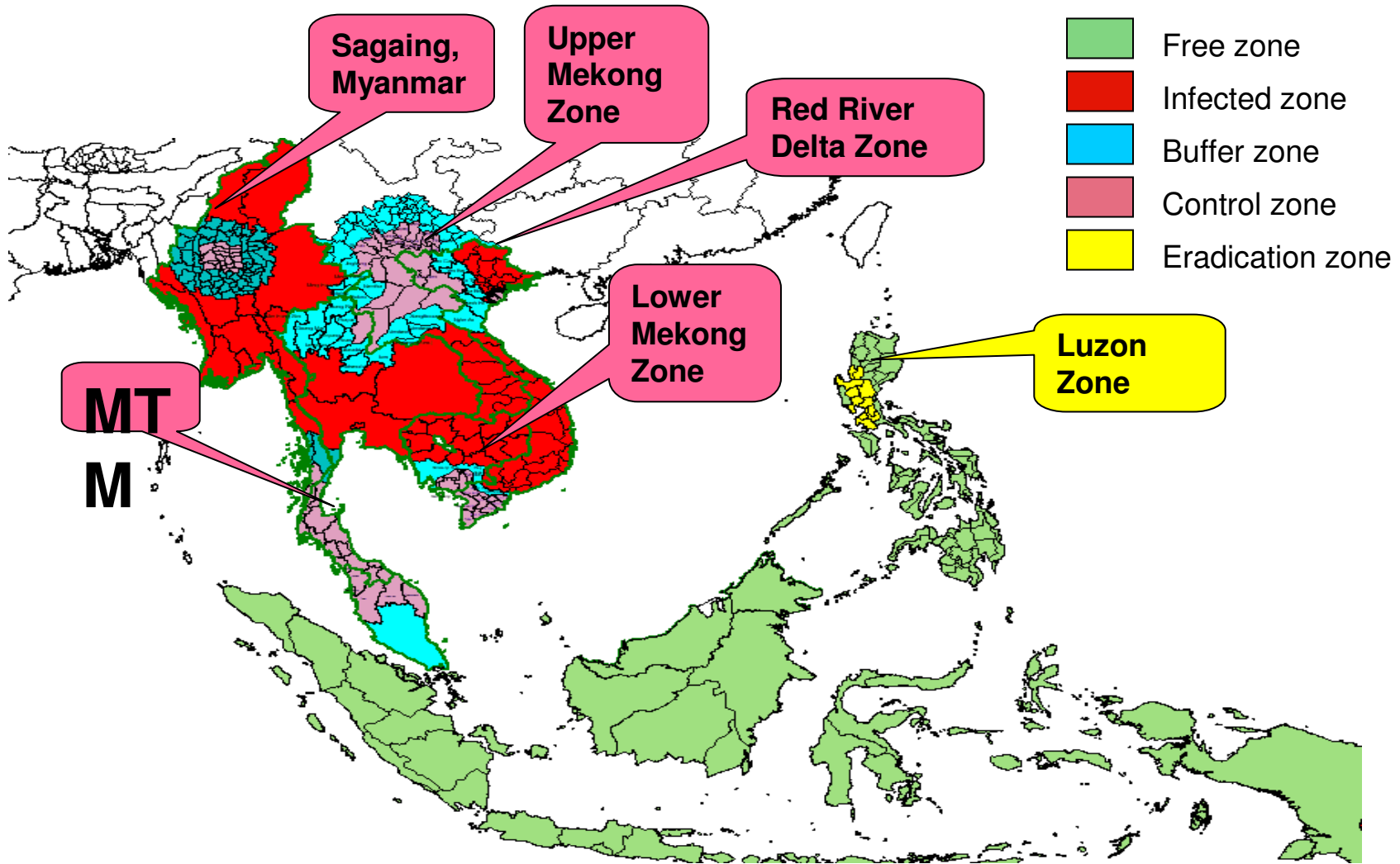
Approved by the OIE General Assembly in May 25, 2010, PARIS

# SEACFMD 2020 Roadmap

- **Endorsed by Sub-commission March 2011 and by OIE Regional Commission in May 2011**
- **Three main strategies**
  - **Targeting hotspots and critical points**
  - **Progressive zoning**
  - **Maintenance of free zones**

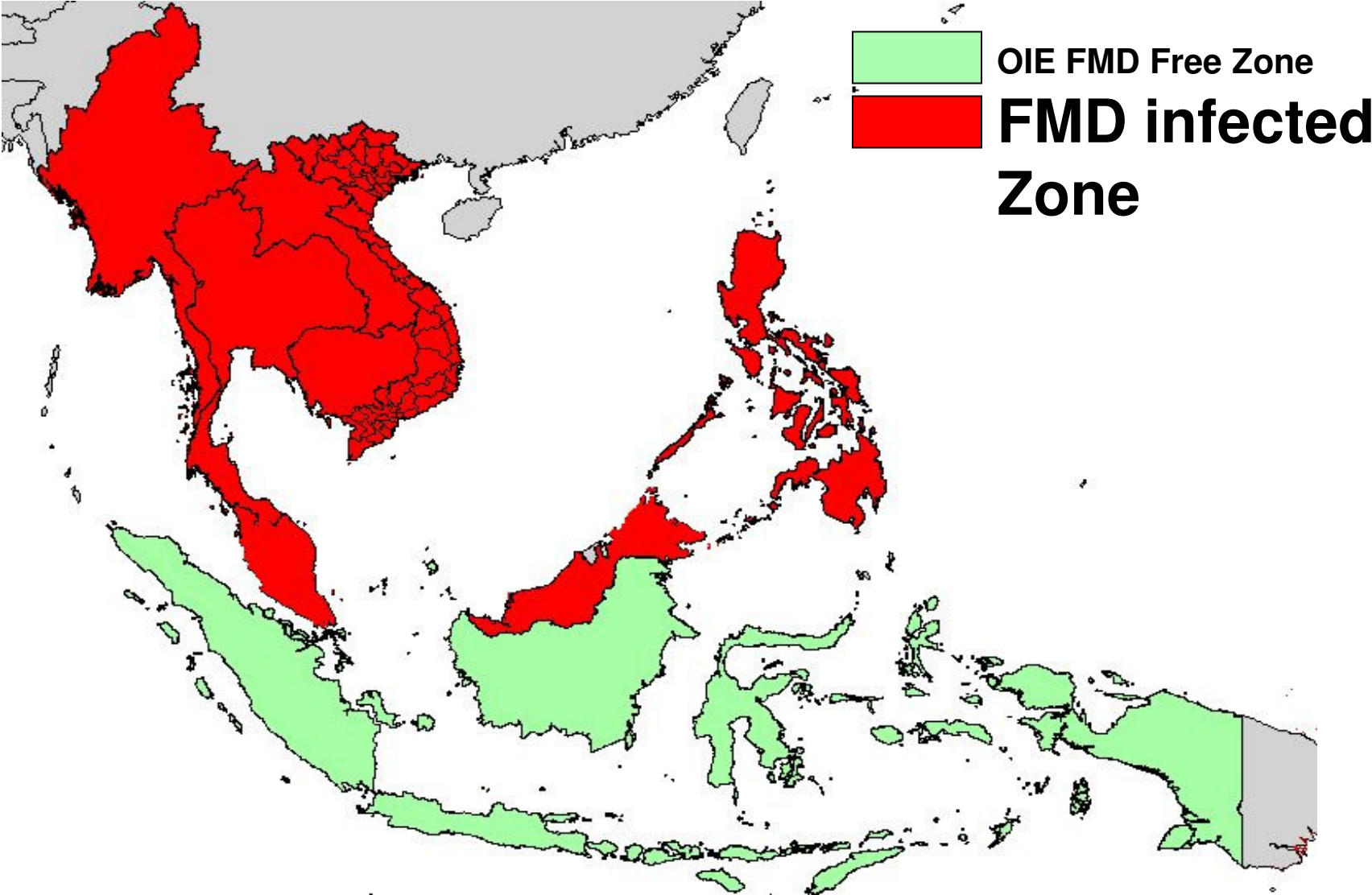


# SEAFMD Progressive Zoning

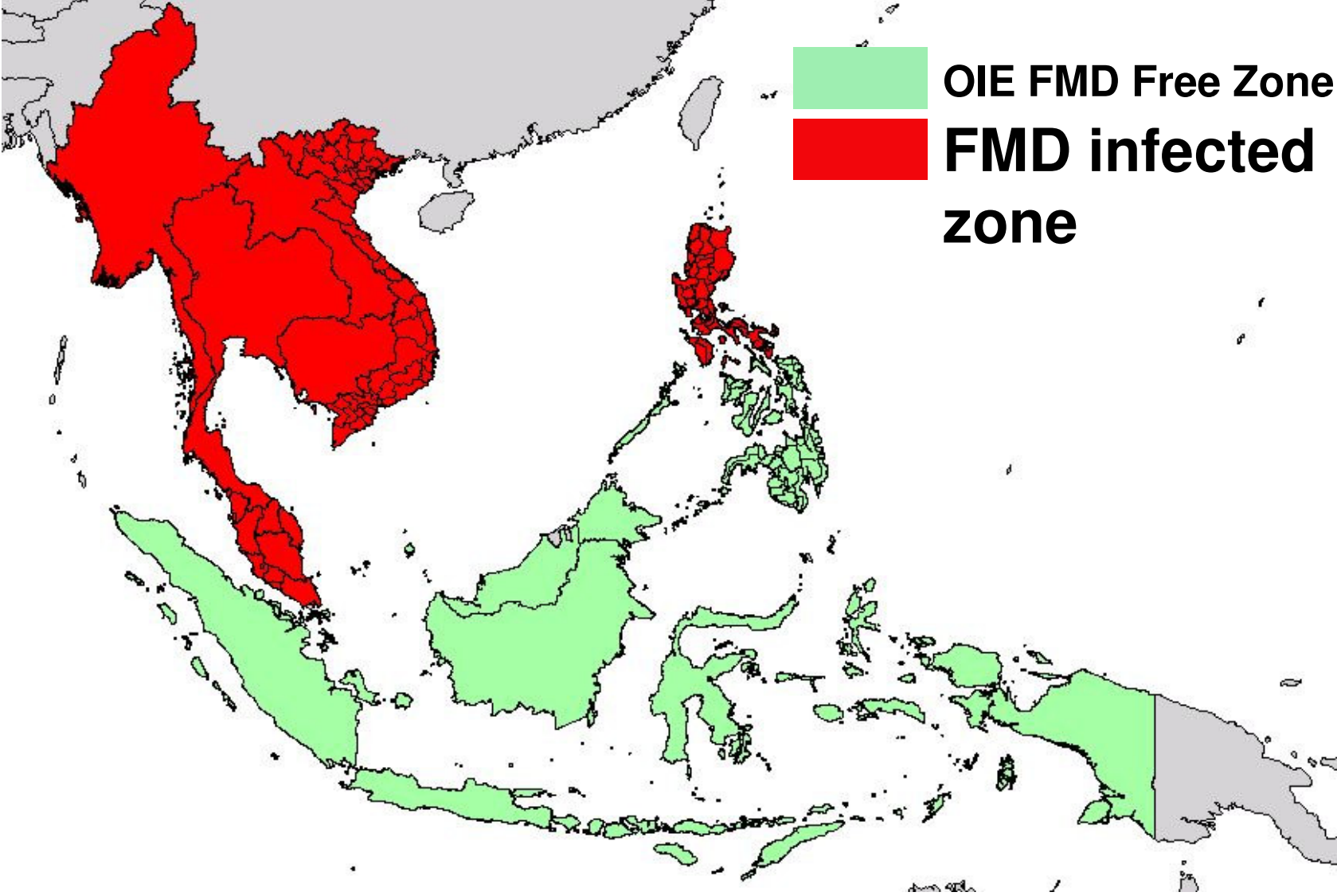




# SEAFMD 1997

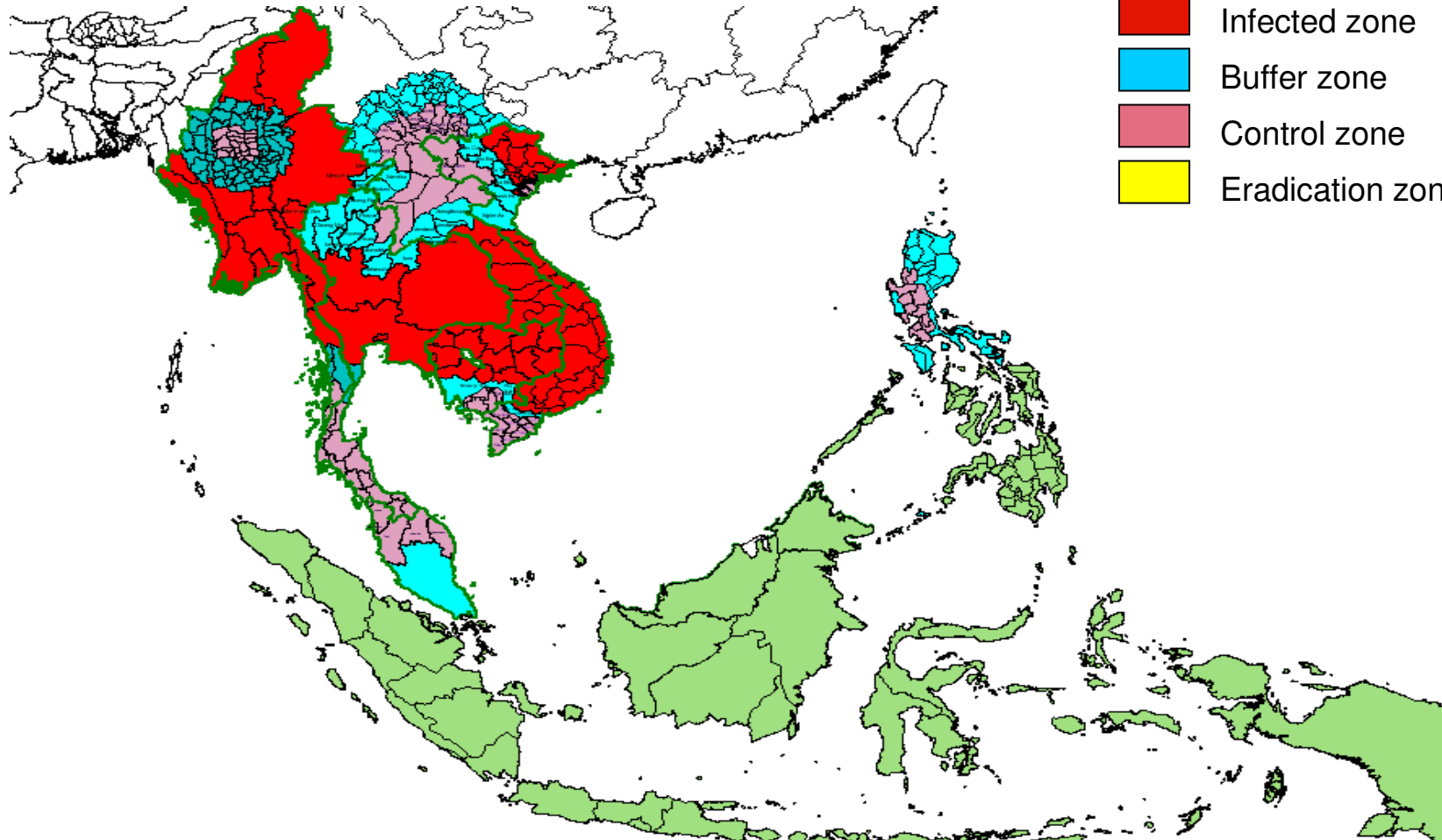


# SEAFMD 2004



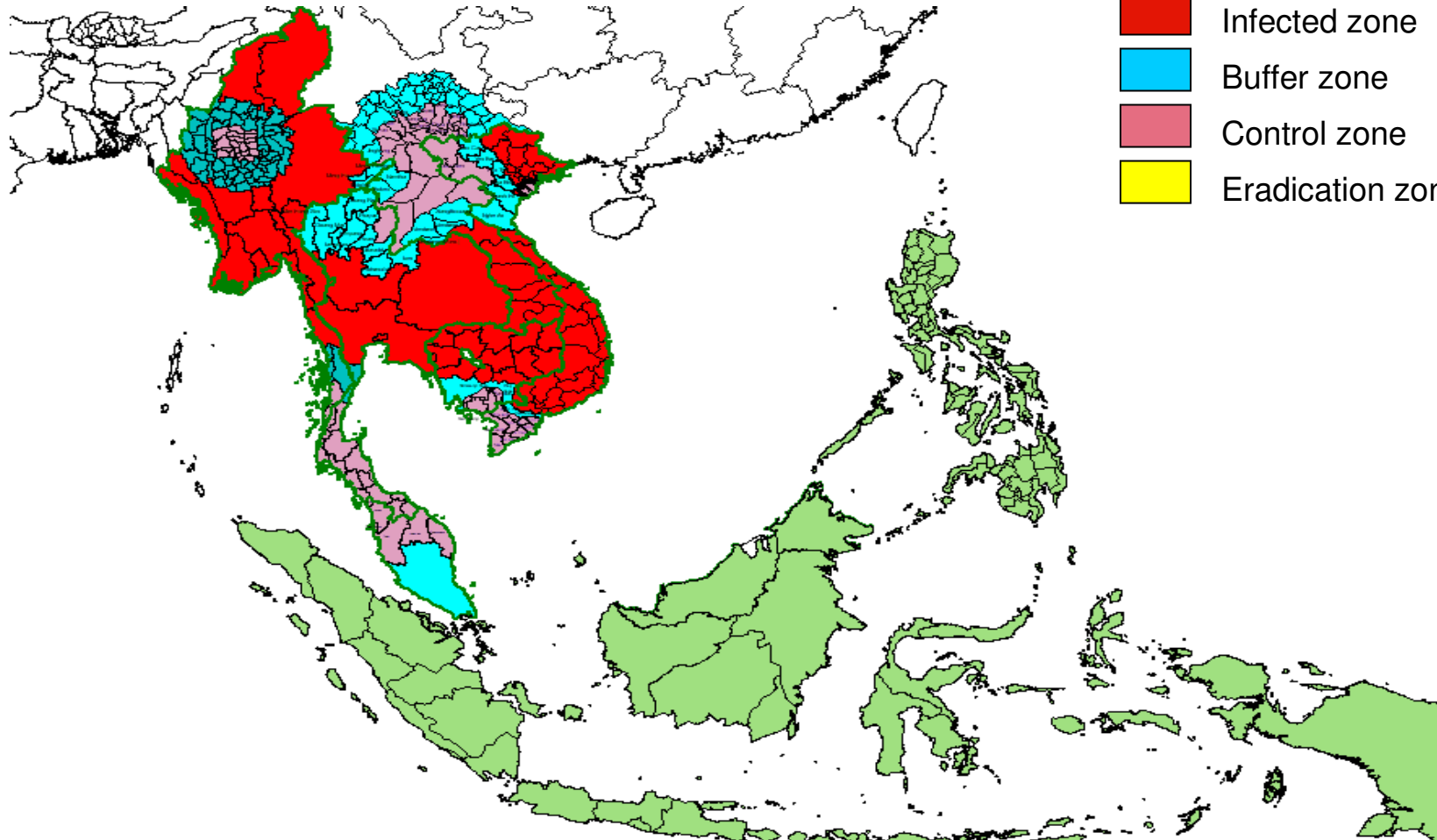
# SEAFMD 2005

- Free zone
- Infected zone
- Buffer zone
- Control zone
- Eradication zone



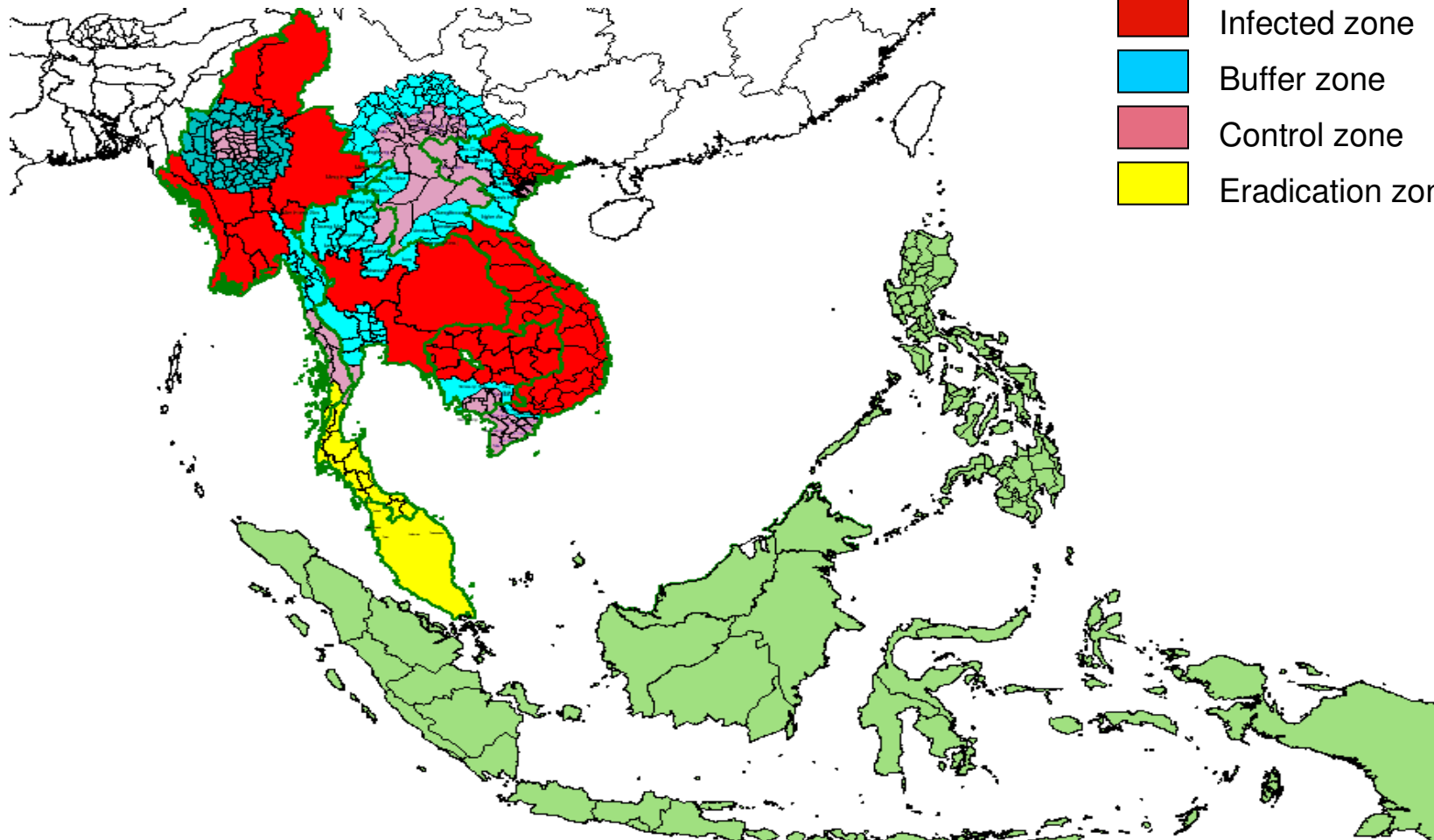
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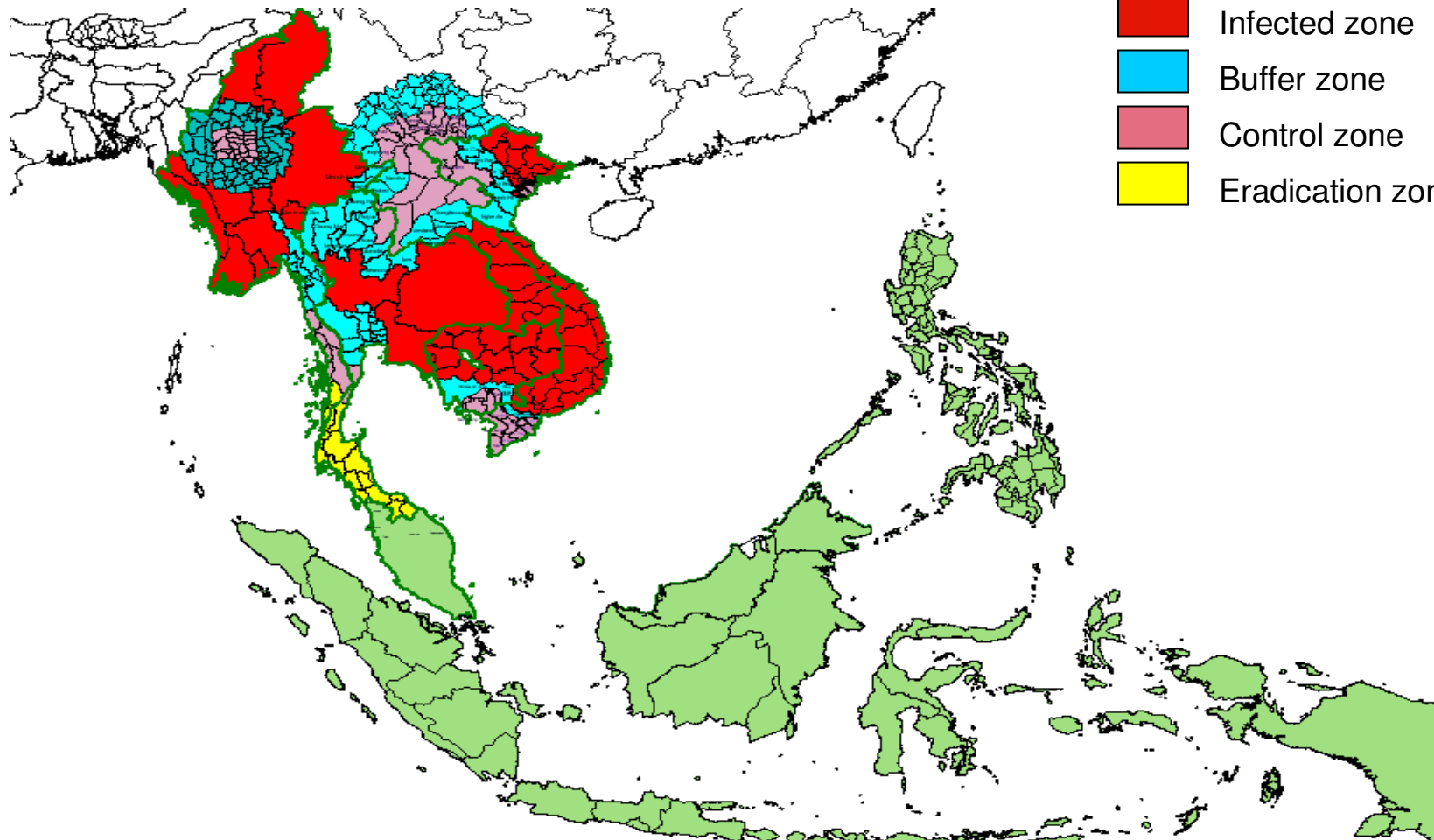
# SEAFMD 2010

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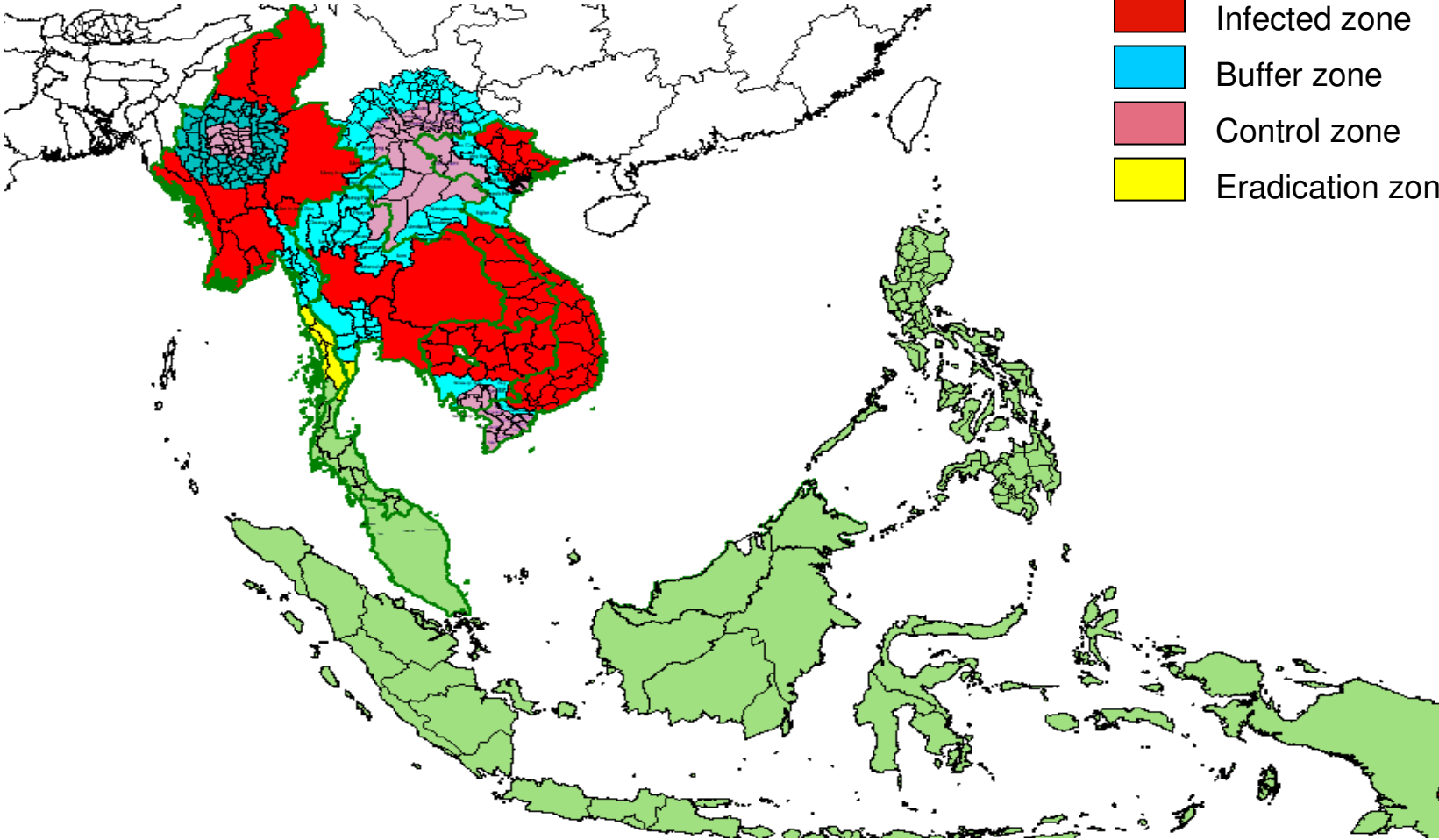
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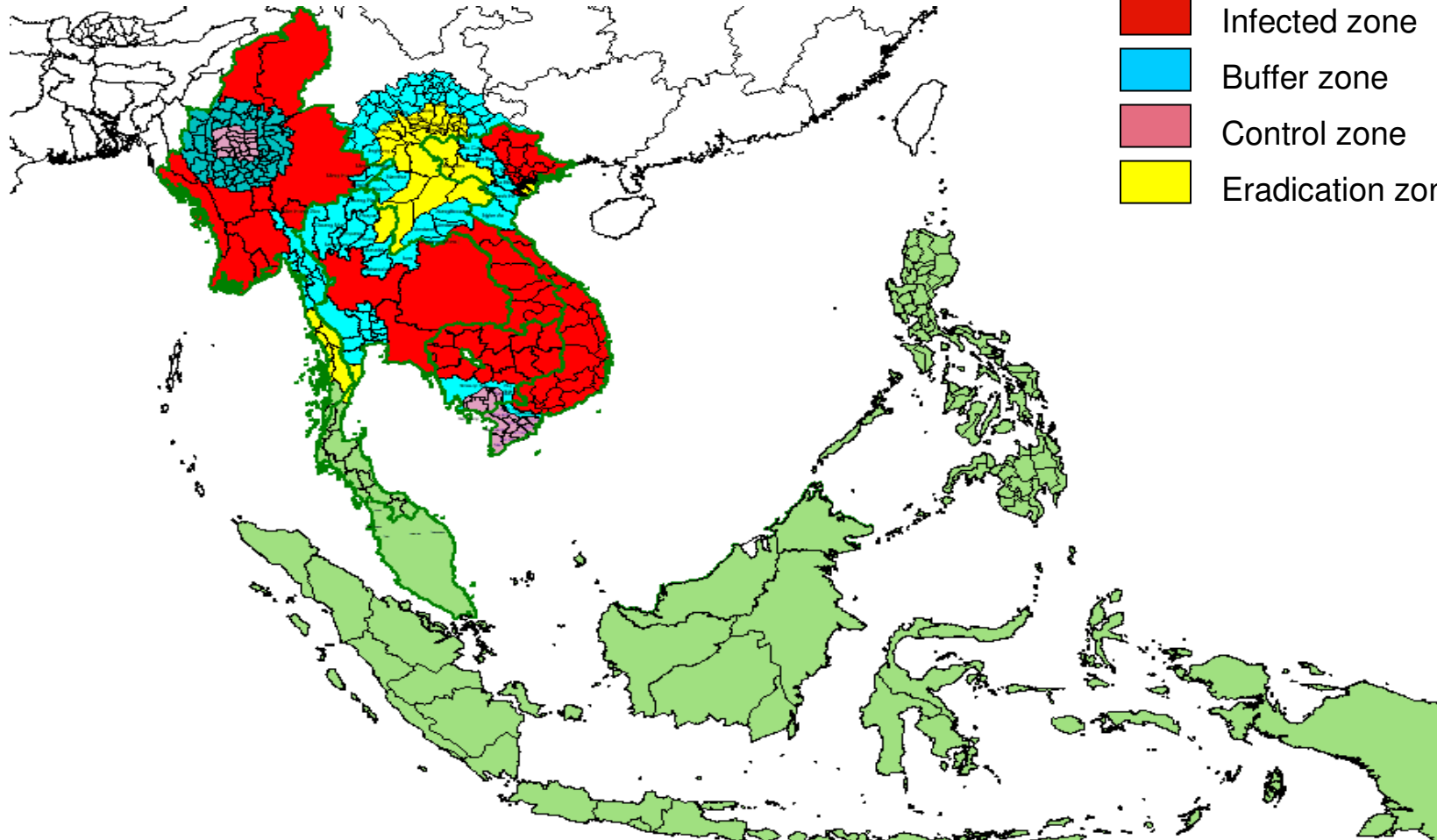
# SEAFMD 2012

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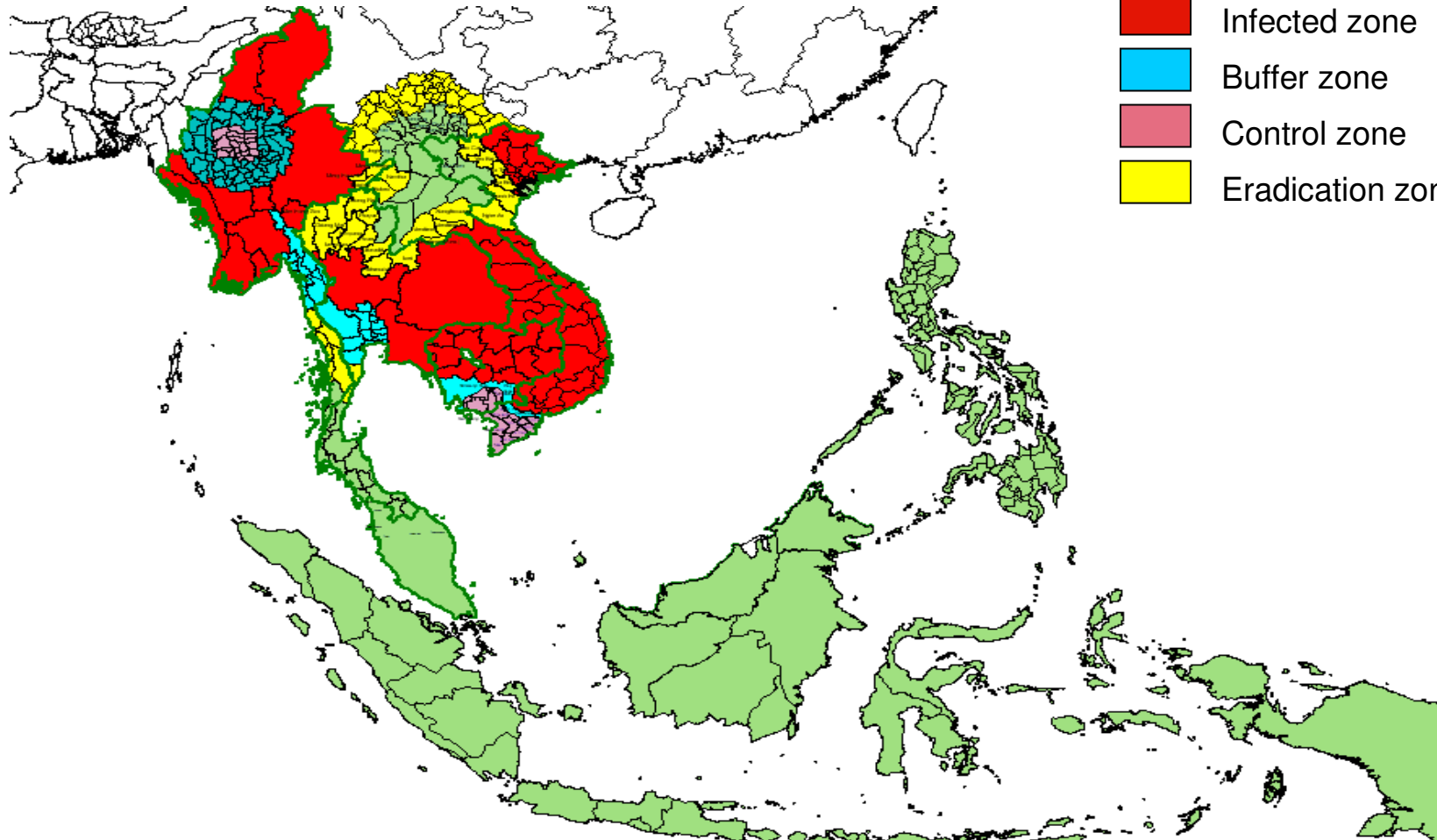
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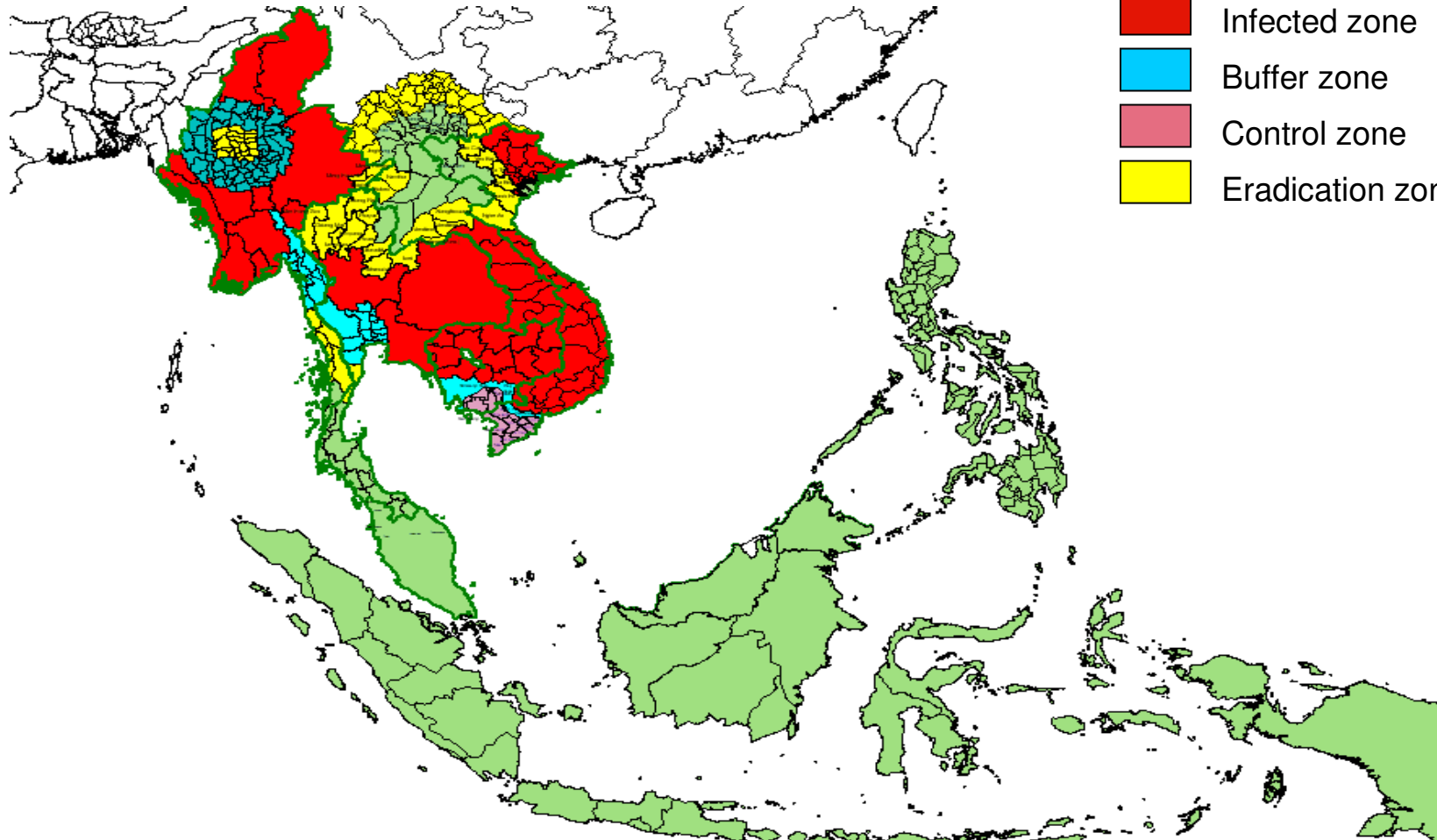
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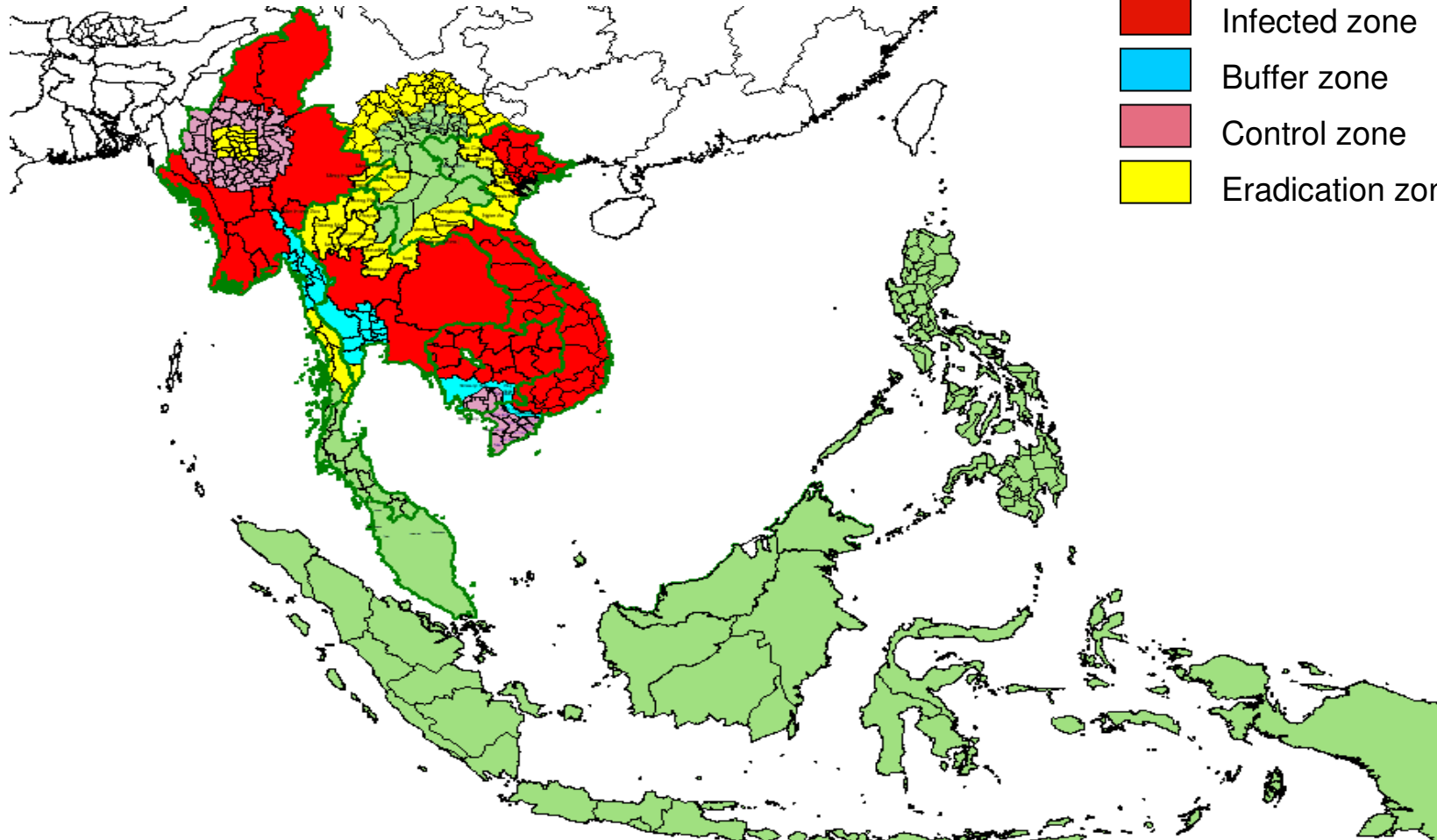
# SEAFMD 2014

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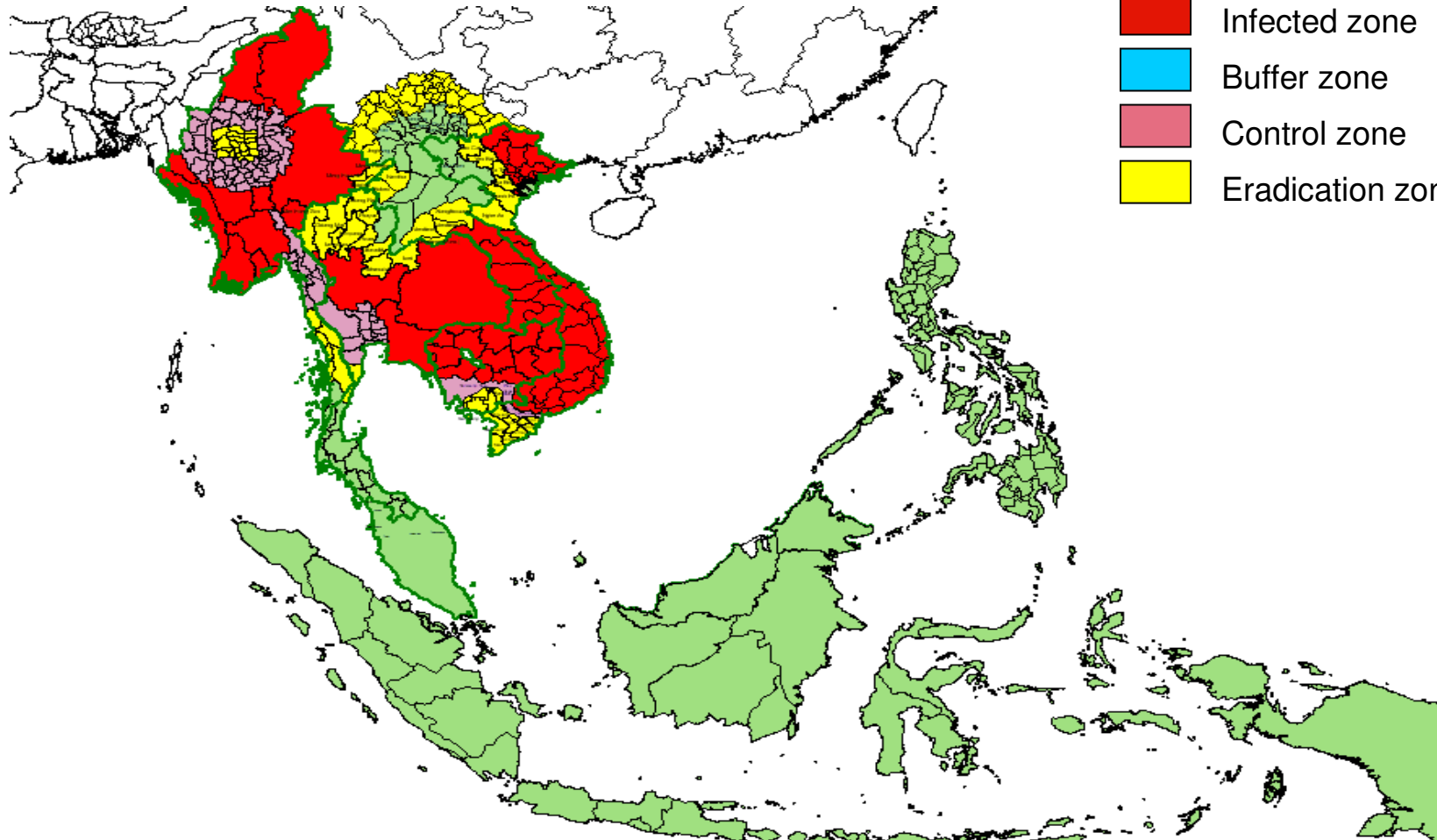
# SEAFMD 2015

- Free zone
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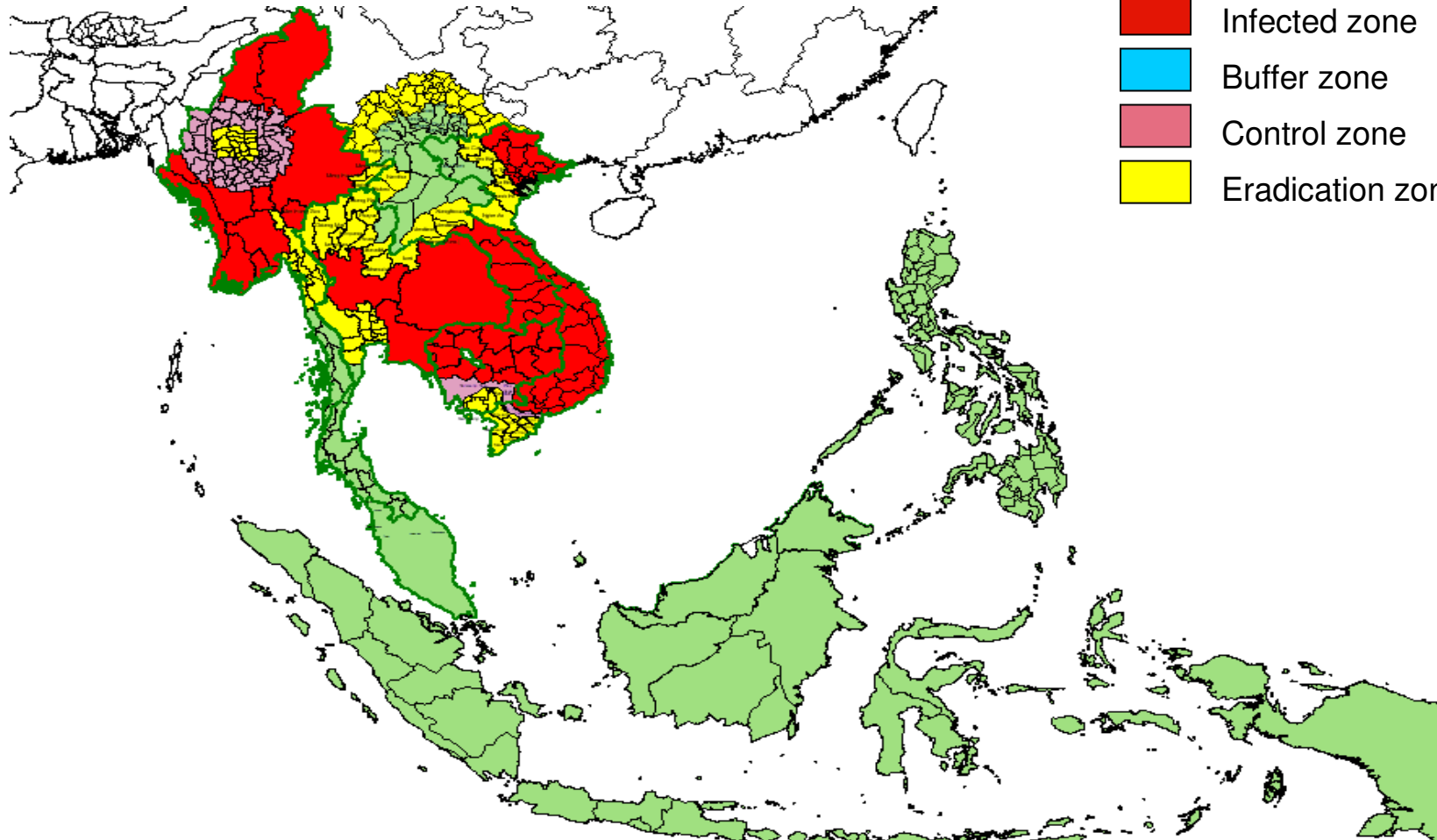
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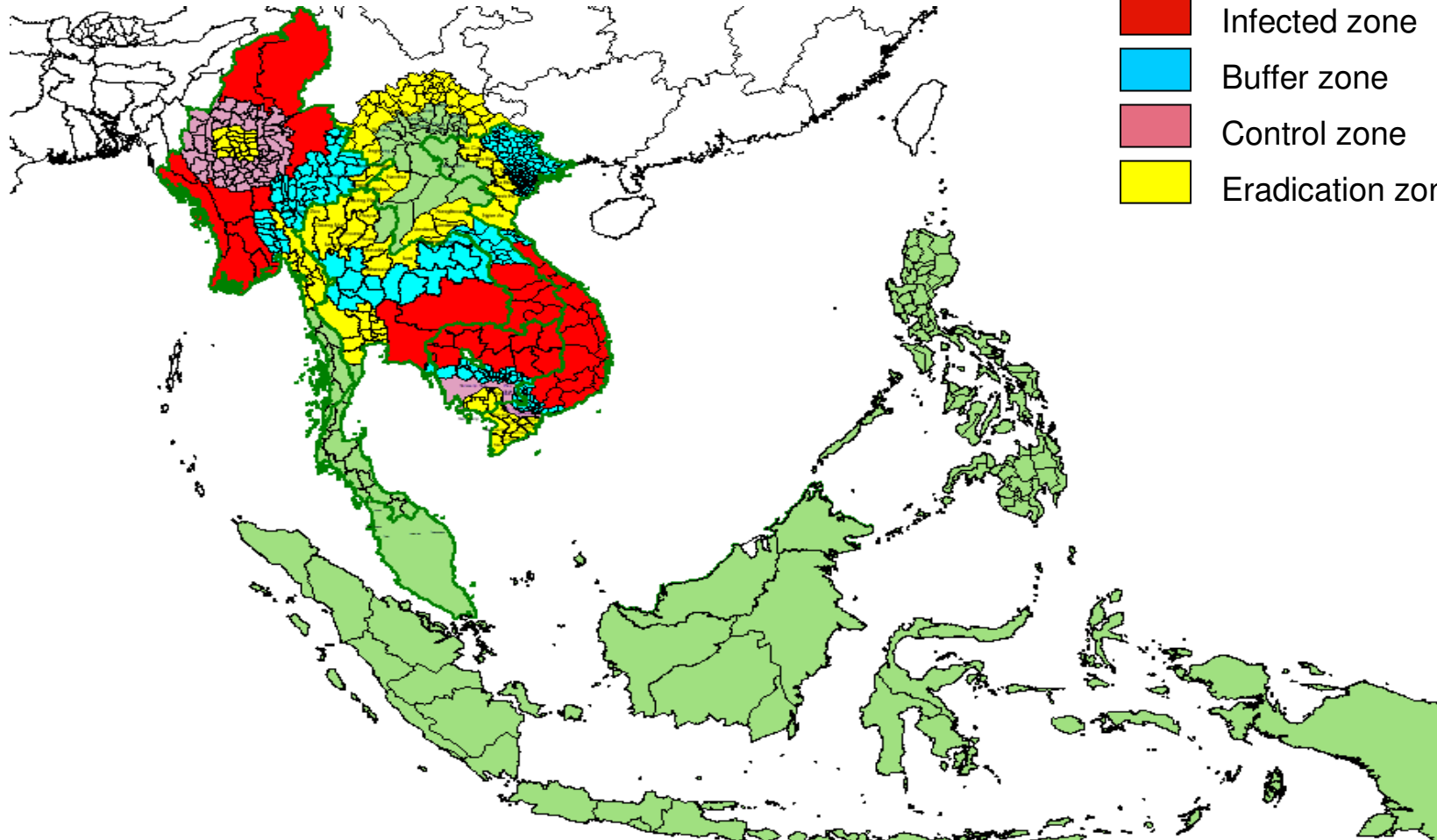
# SEAFMD 2016

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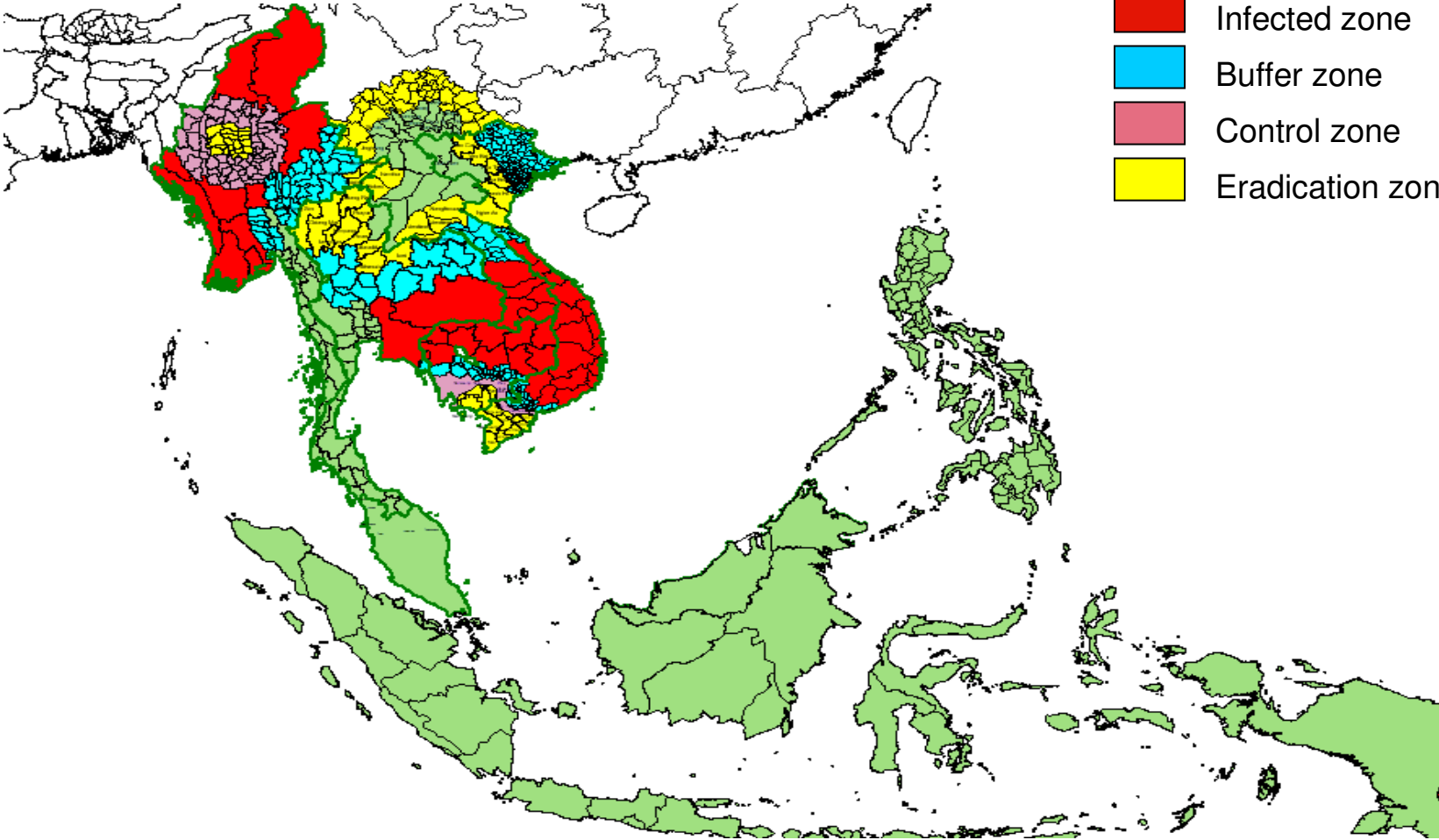
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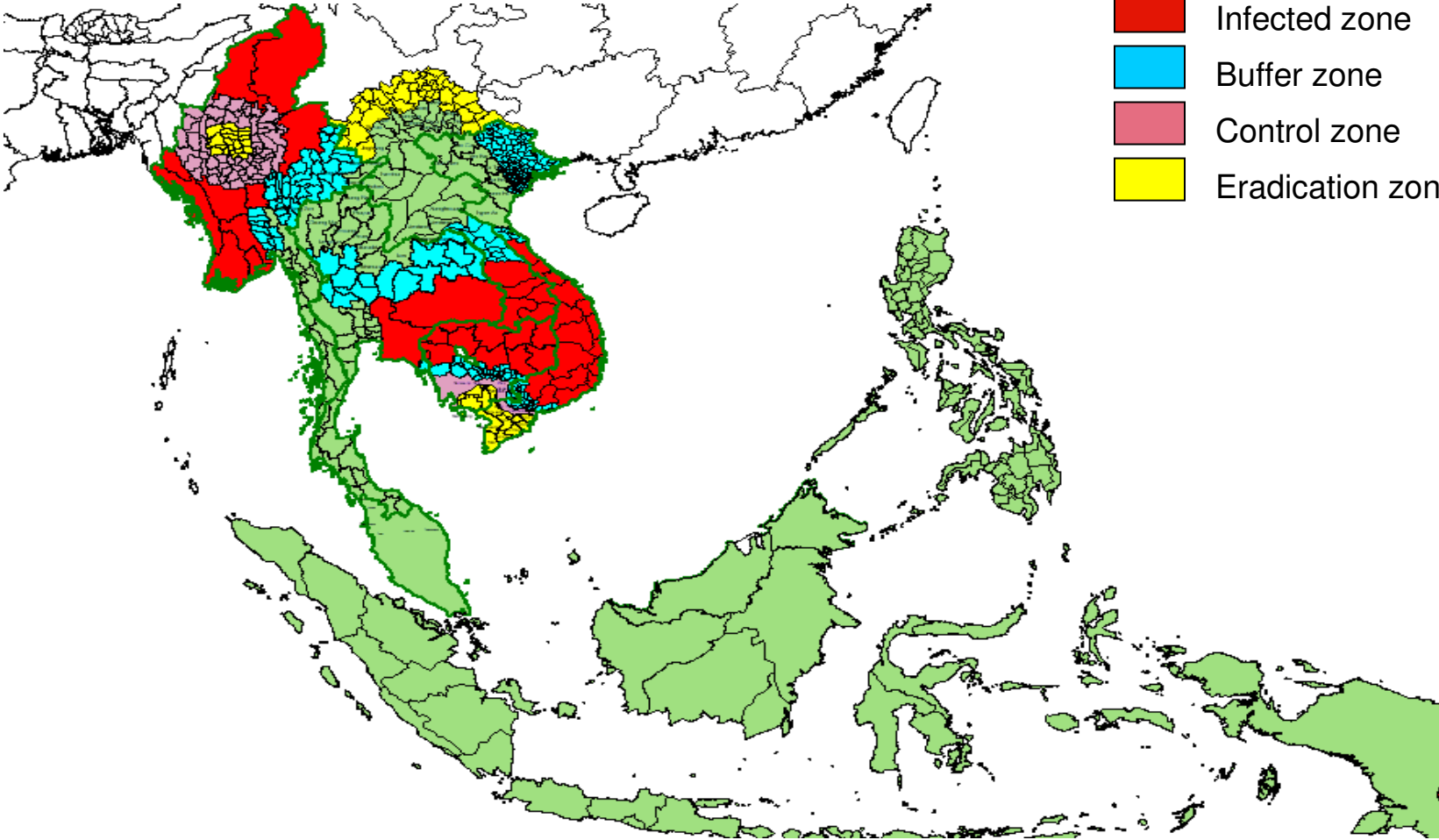
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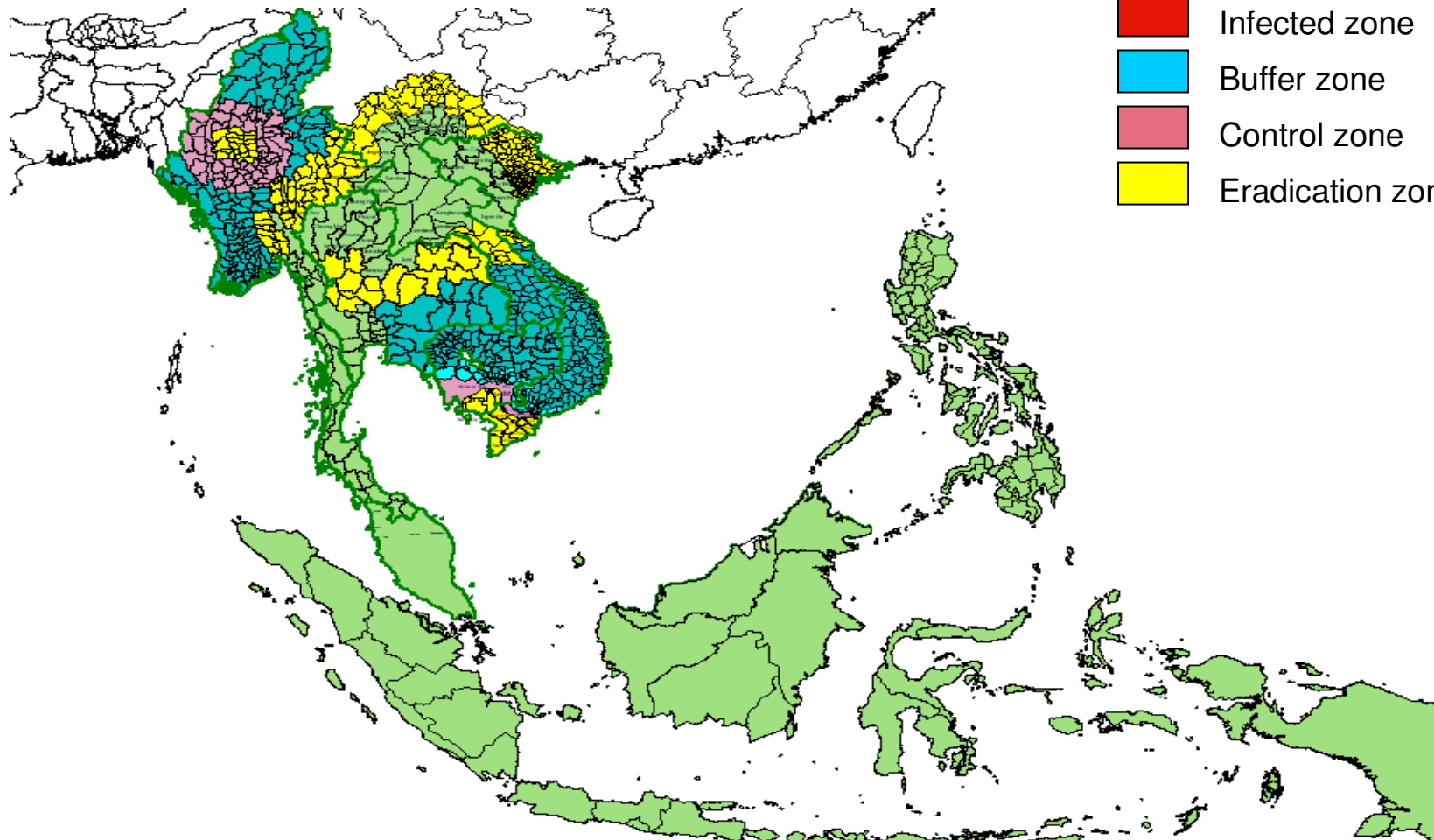
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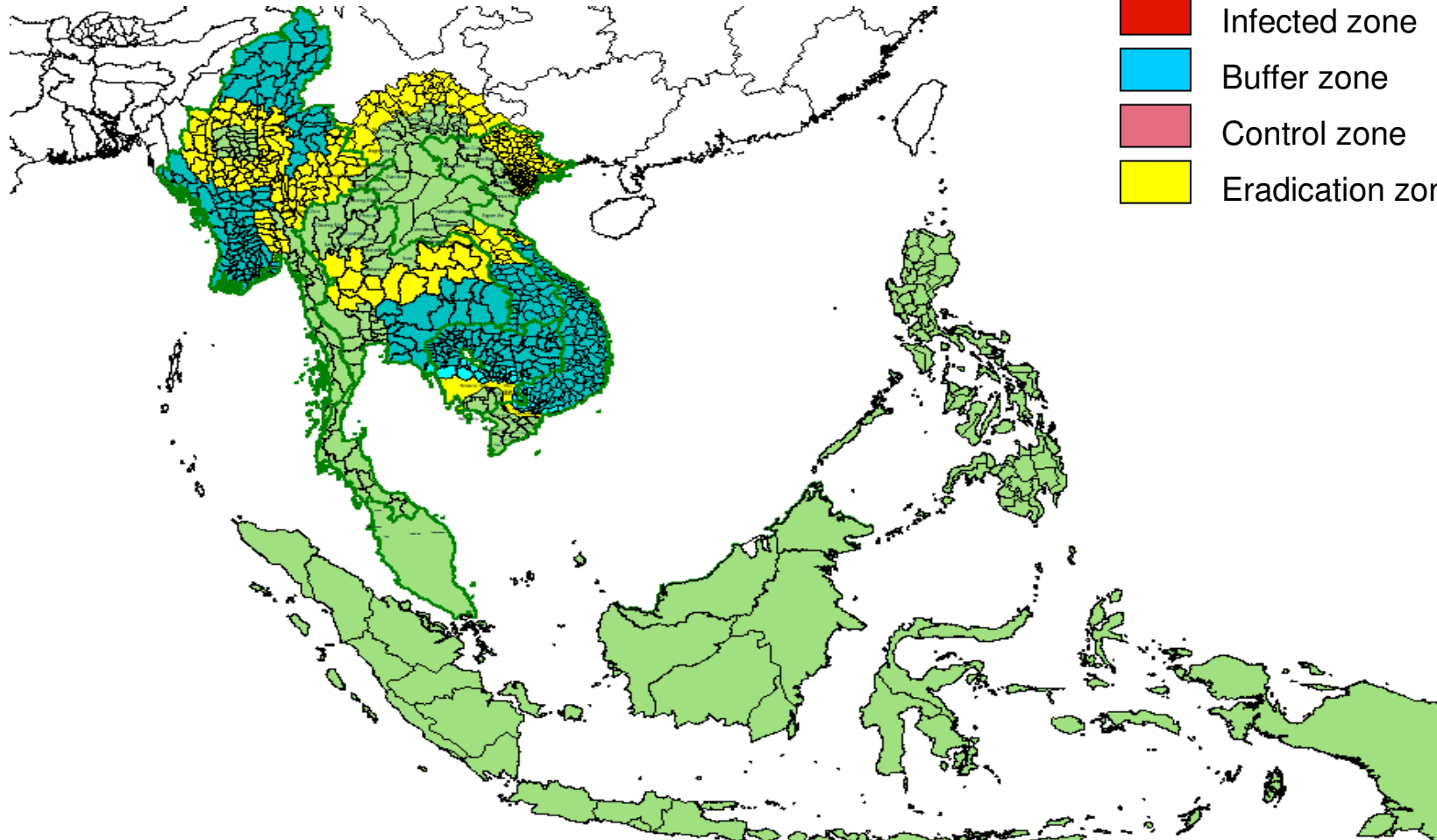
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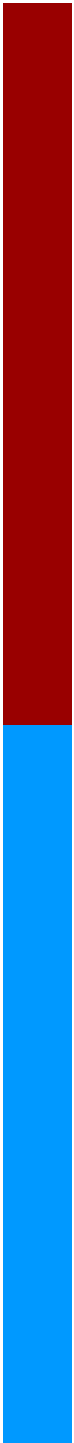
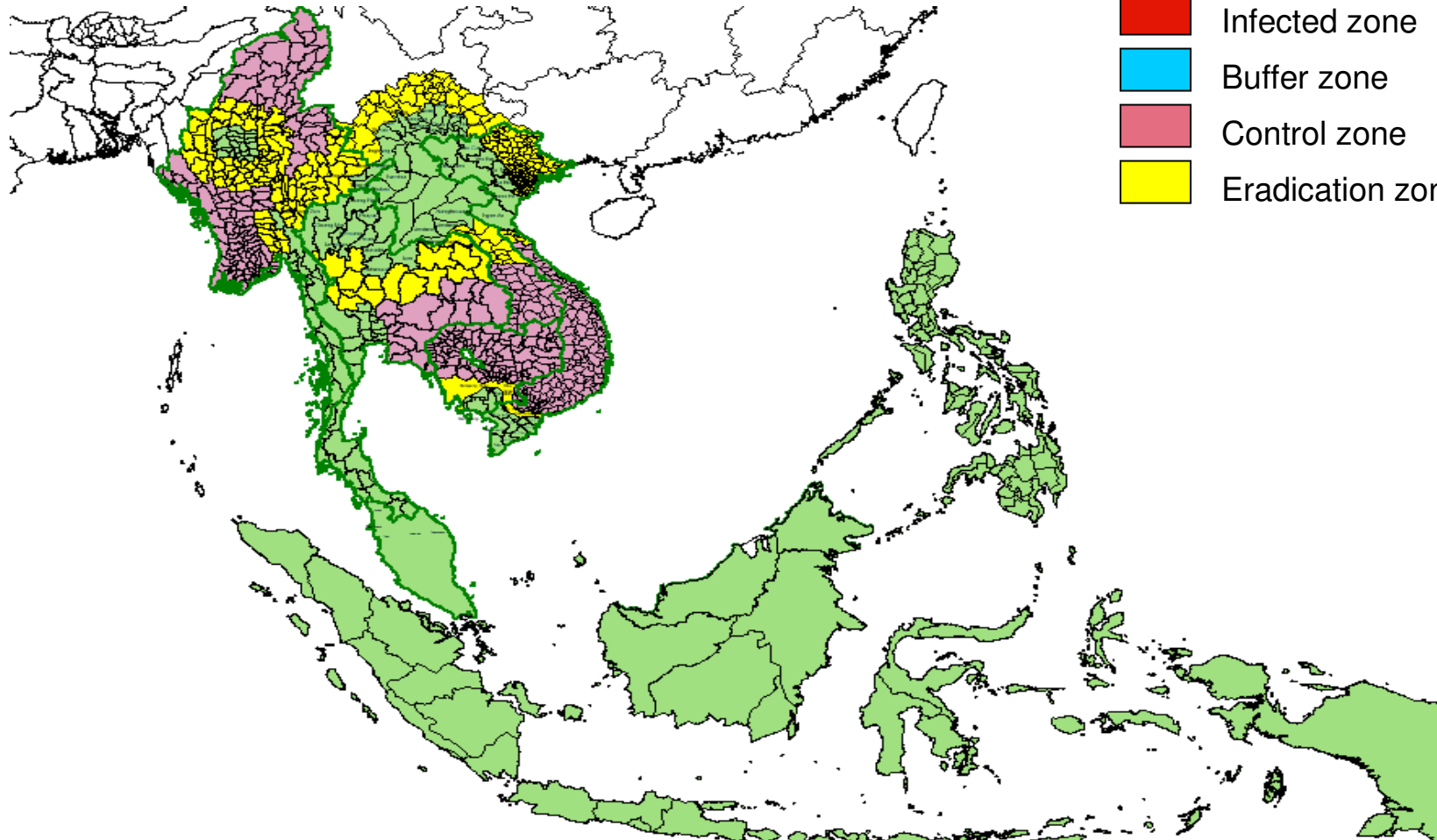
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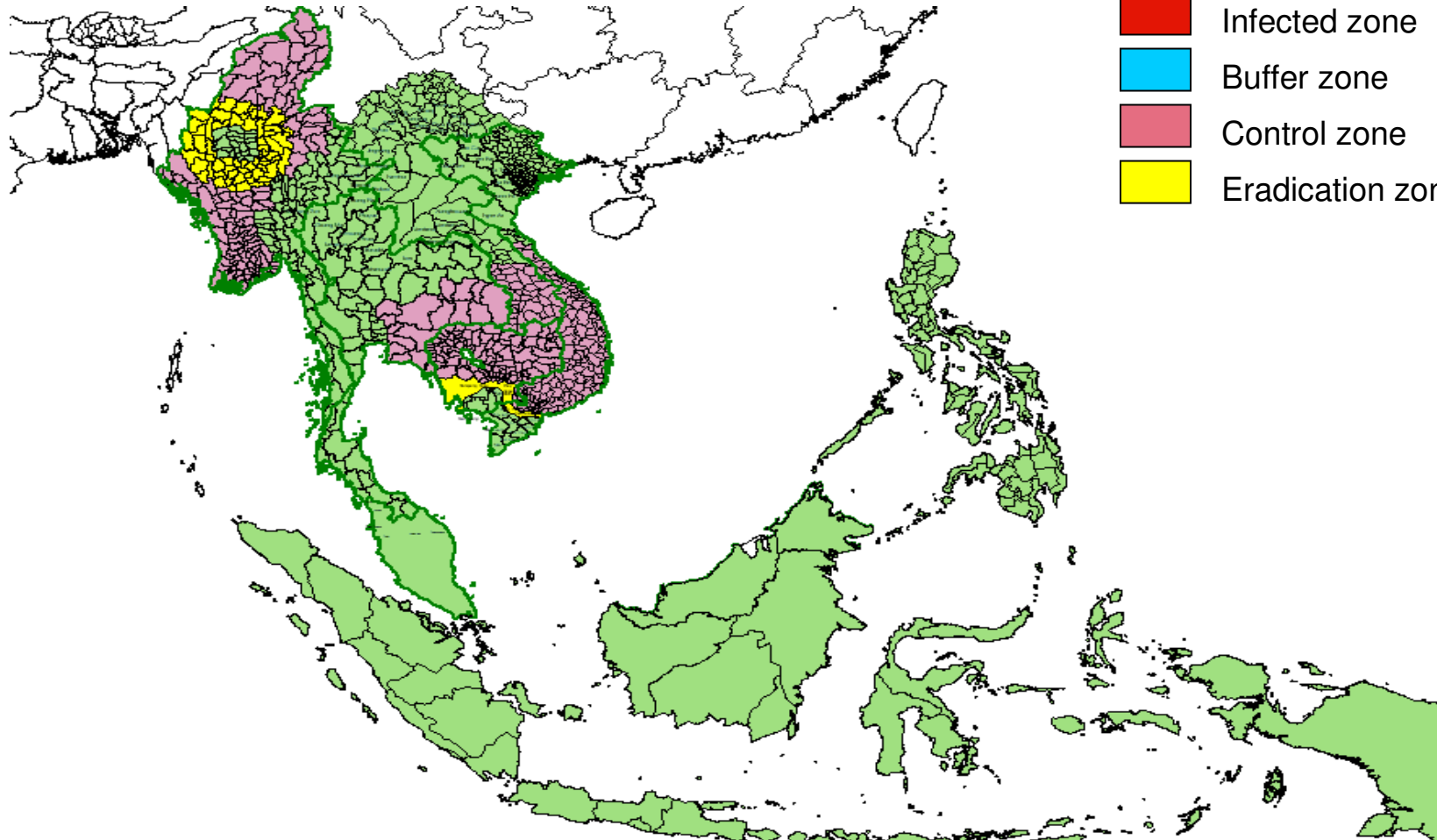
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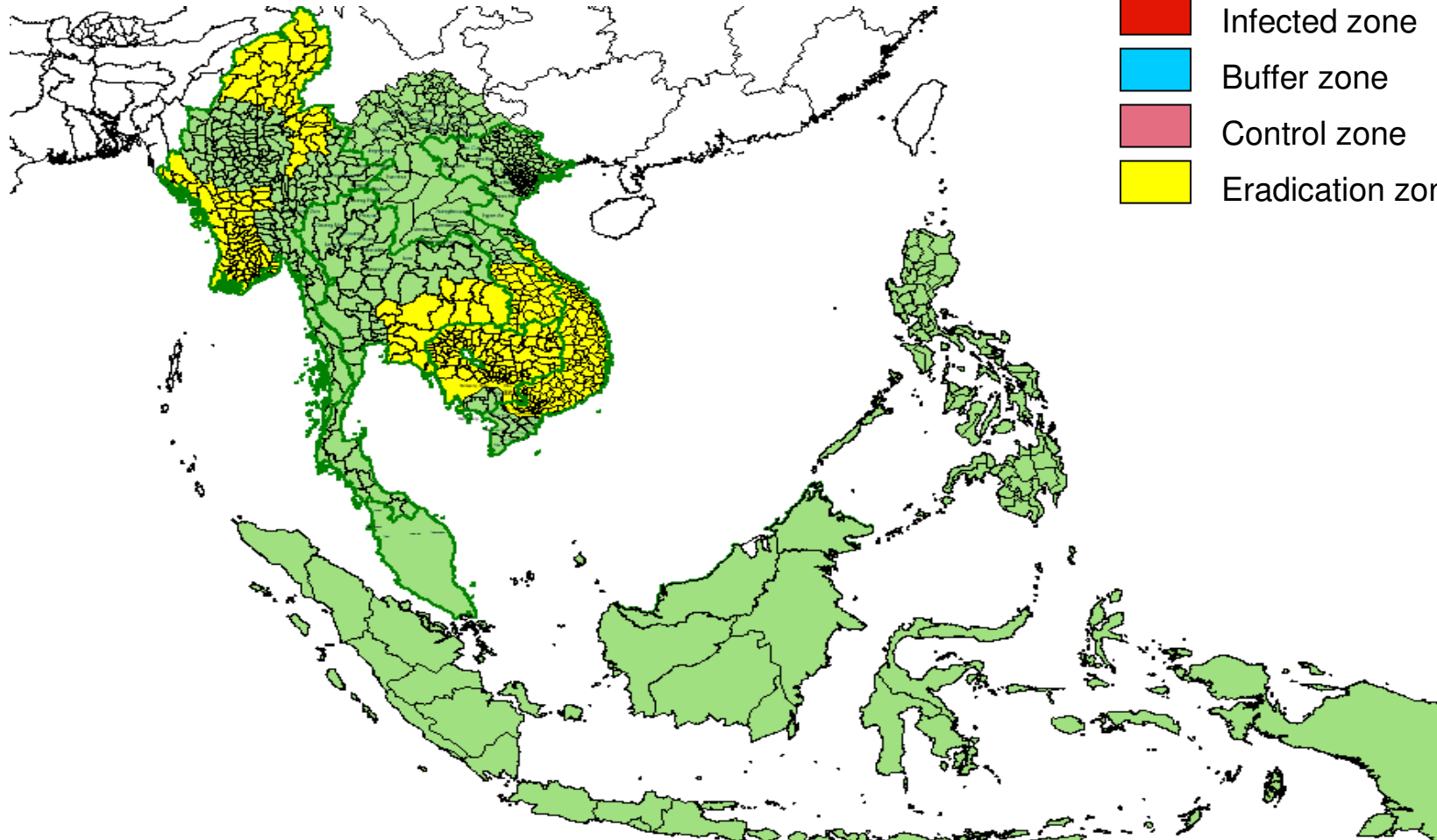
# SEAFMD 2018

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- Control zone
- Eradication zone



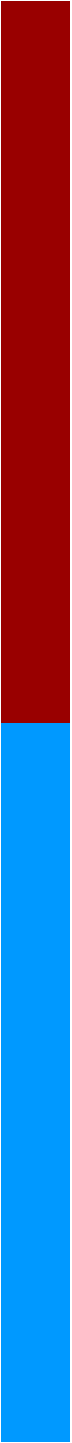
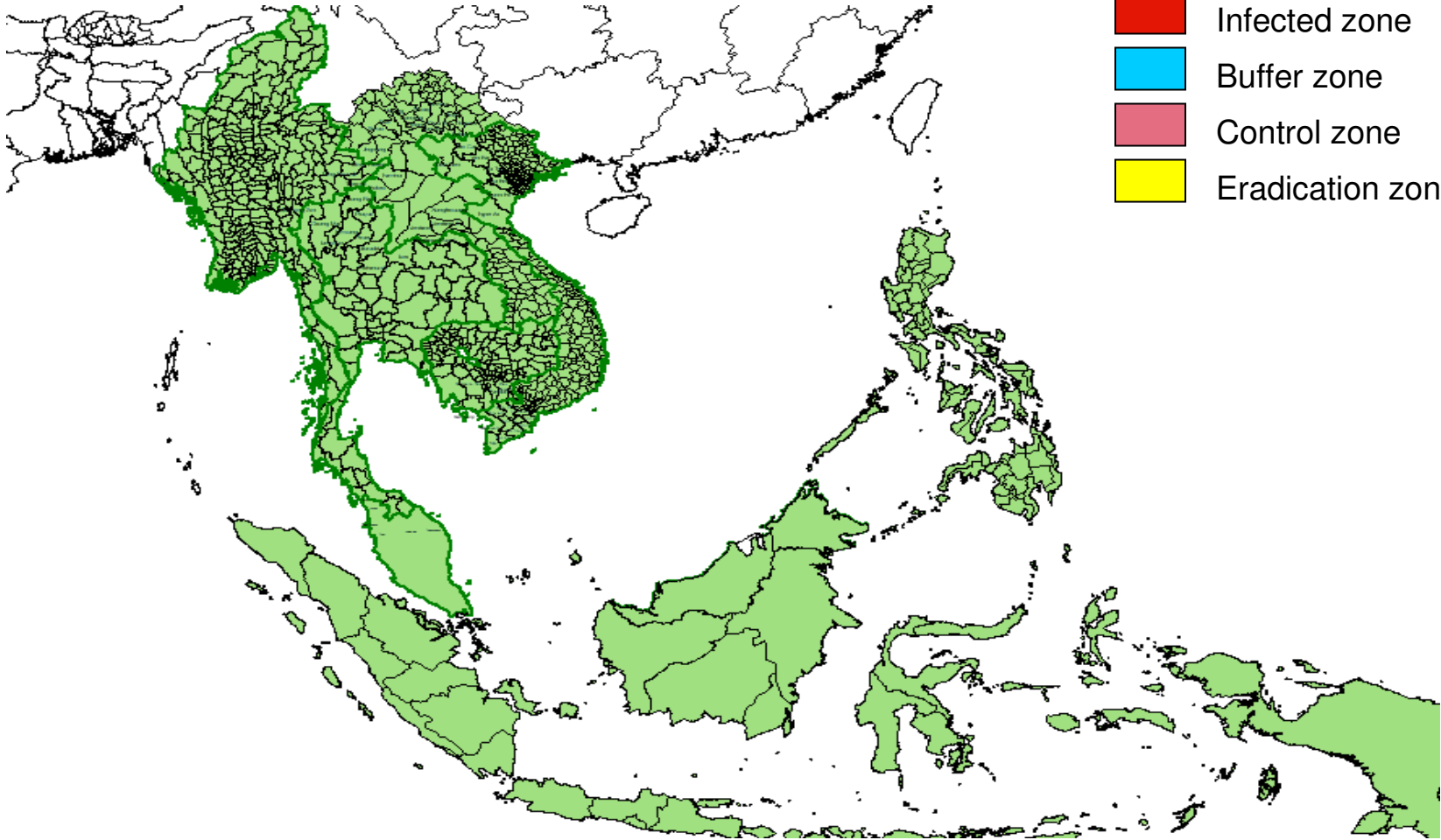
# SEAFMD 2019

- Free zone
- Infected zone
- Buffer zone
- Control zone
- Eradication zone



# SEAFMD 2020

- Free zone
- Infected zone
- Buffer zone
- Control zone
- Eradication zone



# Indicative PCP stages identified at MTM and UMWG

Country	2012	2013	2014	2015	2016	2017	2018	2020
China	Light Green	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green
Thailand	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green
Myanmar	Orange	Yellow	Yellow	Yellow	Light Green	Light Green	Light Green	Dark Green
Lao PDR	Orange	Yellow	Yellow	Light Green	Light Green	Light Green	Dark Green	Dark Green
Vietnam	Yellow	Yellow	Yellow	Light Green	Light Green	Dark Green	Dark Green	Dark Green





FAO/OIE  
**GF-TADs**

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES

# **5th Meeting of the GF-TADs Regional Steering Committee for the Middle East**

## **And FMD PCP Regional Road Map**

**26 April 2012, Dubai**

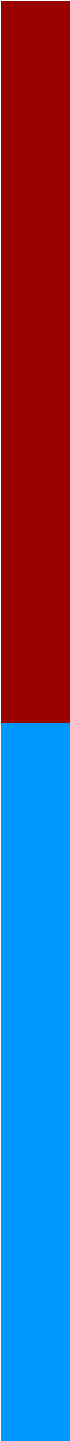
**United Arab Emirates**



**FAO/OIE GLOBAL CONFERENCE ON  
FOOT AND MOUTH DISEASE CONTROL**



**Presentation at the Joint FAO/OIE  
Global Conference on the  
Control of FMD  
Bangkok, Thailand  
27-29 June 2012**

- 
- **Information published on FAO and OIE websites**
  - **Expected number of participants  
350 – 400**
  - **Ministers of key countries are invited**
  - **Conference starts with a technical part (“State of the art”) and ends with a “Donor consensus support session” for donors, Reg Org. and individual countries**



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PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



**Thank you for  
your attention**