



Food and Agriculture Organization
of the United Nations

FMD Risk Assessment Training Workshop
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FAO contribution to FMD control in Africa

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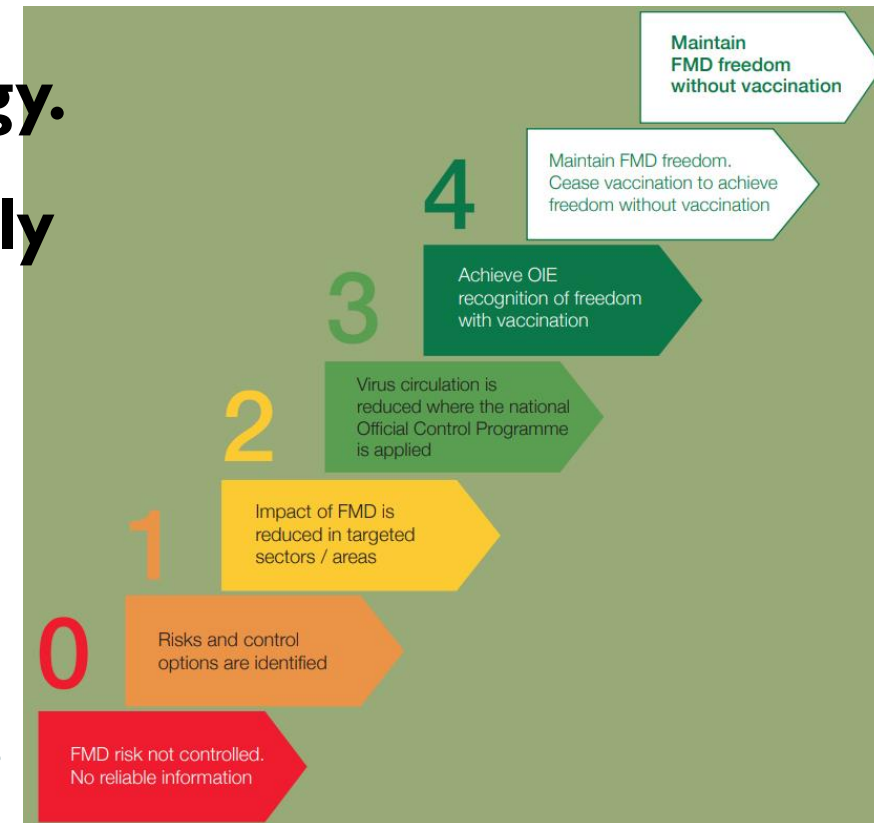
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INTRODUCTION



I. INTRODUCTION

- **FAO supports countries/regions in line with component I Global FMD Control Strategy.**
- **Support endemic countries to progressively control FMD**
- **Assist free countries to maintain their status**
- **Support uses PCP-FMD tool, which guides endemic countries through a series of steps**





I. INTRODUCTION

GF-TADs (FAO+WoAH) support structures & mechanisms :

- **GF-TADs FMD Working Group**
- **Regional FMD Roadmap meeting**
- **Regional Advisory Groups &**
- **PCP Support Officers**
- **Other networks**

**FAO support based on specific needs of countries/regions,
e.g. emergency response to outbreaks**

SUPPORT PROVIDED



2. SUPPORT PROVIDED

- i) Technical support through Regional Roadmaps, RAGs, PCP Support Officers**
- ii) Capacity building (training, lab reagents, field operations, Risk Based strategy development)**
- iii) Control of FMD outbreaks (vaccination, surveillance)**



2. SUPPORT PROVIDED

2.1 Regional Roadmaps

- **Regional Roadmap meetings organized & conducted by GF-TADs FMD Working Group**
- **Coupled with RAGs meetings**
- **So far 12 Regional Roadmap meetings conducted**



2. SUPPORT PROVIDED

2.1 Regional Roadmaps

Sub-region	1st Roadmap	2 nd Roadmap	3rd Roadmap	4th Roadmap
C. Africa	Cameroon, Sep/2018	Virtual, Sep/2022		
E. Africa	Kenya, Mar/2012	Rwanda, 2014	Uganda, Jul/2018	Virtual, Mar/2022
S. Africa	Botswana, Mar/2011	Tanzania, Sep/2017	Virtual Nov/2020	
W. Africa	Togo, Sep/2016	Senegal, Sep/2019	Virtual, Nov/2021	



2. SUPPORT PROVIDED

2.1 Regional Roadmaps

Current PCP-FMD Stages

FMD Regional Roadmap (#countries)	PCP Stage/# of countries								
	0	1*	1	2*	2	3*	3	4 or above	UnKn
East Africa (10)	1	2	3	1	3	0	0	0	0
Central Africa (7)	6	0	1	0	0	0	0	0	0
SADC (16)	0	3	1	3	1	1	0	5	2
West Africa (16)	1	6	7	0	0	0	0	0	2
Total	8	11	12	4	4	1	0	5	4

* Provisional Stage

- # of African Countries engaged in FMD-PCP = 49

- Stage 0 to provisional stage 2 = 35 countries



2. SUPPORT PROVIDED

2.2 Capacity Building – Southern Africa

- **Regional FMD strategy aligned to Global Control strategy**
- **Validated by SADC LTC Nov. 2021 & endorsed by the SADC Ministers in May 2022**
- **Training of FMD Risk Analysis & Mapping (STOSAR+CIRAD)**
- **16 experts from 15 countries from Southern Africa trained**



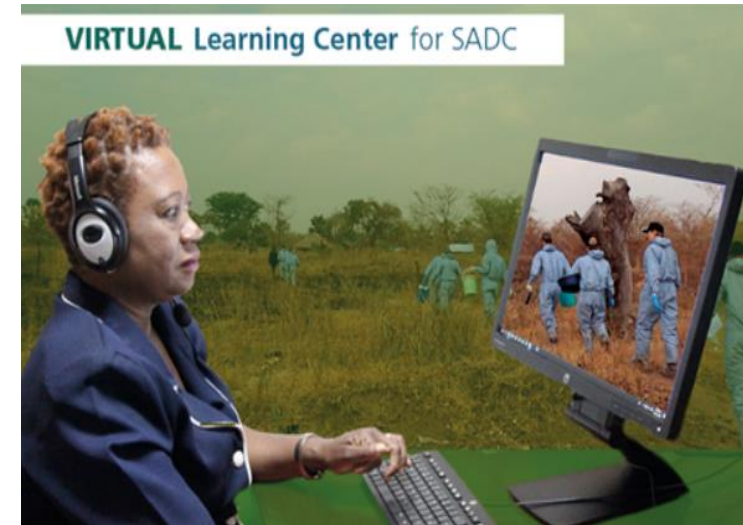


2. SUPPORT PROVIDED

2.2 Capacity Building – Southern Africa

FAO-SFS VLC + EuFMD provided on-line course

- **FMD vaccine, vaccination & PVM**
- **FMD investigation training course**
- **FMD simulation exercise course (for FMD free countries)**
- **Application of PPP in FMD-PCP & similar TADs**
- **FMD Risk analysis along the value chain**





2. SUPPORT PROVIDED

2.2 Capacity Building – Southern Africa

No.	Title	Date	AO	BW	DRC	LE	MG	MU	MW	MZ	NA	SE	SW	TZ	ZA	ZM	ZW	Enrolled	Completed
1	FMD vaccine, vaccination & post vaccination monitoring	Feb-20			1/4	1/4	1/4	2/2	2/4	1/2				1/4	4/4	2/4	4/4	34	17
2	FMD investigation training course	Apr – May 2020		12/27	3/5	3/6	1/2	3/5	5/23	2/8	9	0	11/12	12/60	36/56	20/33	37/85	228	154
3	FMD simulation exercise course (for FMD free countries)	Jul – Jul 2020		0/4		0/7		0/8			3/4		6/8					35	9
4	Application of PPP in the PCP of FMD & similar TADs	Jun – Jul 2020		1/9	0/4		1/5						1/3	4/14	2/2	5/9	3/10	56	17
5	Risk analysis along the value chain	Jul – Aug 2020			4/5				4/4					0/9		3/4	0/4	26	11
TOTAL																		379	208



2. SUPPORT PROVIDED

2.2 Capacity Building – Southern Africa

Provision of reagent, consumable, field & laboratory equipment

- ✓ STOSAR Project procured & distributed to almost all SADC countries**
- ✓ 4 FAO TCPs procured for beneficiary countries (Comoros, Malawi, Mauritius & Zambia)**



2. SUPPORT PROVIDED

2.2 Capacity Building – W & C Africa

Under GF-TADs DTRA Funded Project

- **Training on lab competences**
 - 2 lab trainings conducted (virtual & hands-on practical)
 - 16 lab staff trained (2/country) in the 8 target countries
- **GIS risk assessment & risk mapping conducted**
 - 32 Epidemiologist from all 16 countries in the region trained





2. SUPPORT PROVIDED

2.2 Capacity Building - W & C Africa

Support at Country Level

- Support to national Labs for FMD virus detection & serotyping & shipment of samples to reference labs
- Support to 8 countries in conducting:
 - ✓ Risk assessment studies,
 - ✓ Animal mobility surveys,
 - ✓ Socio-economic impact studies,
 - ✓ Surveillance to investigate FMD suspected cases,
 - ✓ Risk-based surveillance at identified hotspots risk-based,
 - ✓ Development of FMD control plans of PCP-FMD;
- 5 countries (Mali, The Gambia, Guinea Bissau, Niger, & Nigeria) progressed to stage I



**SUPPORT PROVIDED
– FMD CONTROL**



2. SUPPORT PROVIDED

2.2 FMD Serotype O control KM

- Response to outbreak of April 2019
- Strengthening the capacity of DVS to Control of FMD & other TADs
- 151,000 USD
- Nov 2019 – Nov 2021
- Outbreak controlled in areas affected (Awareness, vaccination, PVM)
- Capacity of national laboratory enhanced – training, equipment, reagents
- Control of PPR strengthened



Une épidémie
de **fièvre aphteuse**
a été déclarée à **Mohéli**



Allons consulter
les vétérinaires





2. SUPPORT PROVIDED

2.2 FMD Serotype O control MW

- **Response to outbreak of March 2022**
- **Emergency Support for the Control of FMD in Malawi**
- **500,000 USD**
- **June 2022 – Dec 2023**
- **Outbreak controlled in affected districts (Awareness, vaccination, PVM)**
- **Resilience to prevent future outbreaks built (Surveillance, Lab capacity, RBSP, cross-border Coordination)**





2. SUPPORT PROVIDED

2.2 FMD Serotype O control Mauritius

- **Response an outbreak of March 2021**
- ***Technical emergency support for FMD surveillance & control in Mauritius***
- **eTCP 400,000 USD, Nov 2021 – Dec 2023**
- **Awareness raising campaigns**
- **Vaccination campaign**
- **Capacity on surveillance & laboratory diagnosis**
- **Evidence for regaining FMD freedom status submitted to WoAH**



2. SUPPORT PROVIDED

2.2 FMD Serotype O control ZM

Response to outbreak of March 2018, 2 projects:

- i) Risk reduction of FMD in Northern & Southern provinces of Zambia (Czech R. 184,000 USD)***
- ii) Technical Assistance to mitigate the impact of FMD incursions in Zambia (FAO TCP 251,000 USD)***
- Vaccination, provision of field & laboratory equipment, reagents, consumables, awareness raising**



SUPPORT IN PIPE-LINE



4. Support in pipe-line

- **FMD Risk assessment study planned targeting FMD serotype O (FAO TCP) – Southern Africa**
- **Support in capacity building in targeted countries (DTRA Support) – All regions of Africa**



4. Support in pipe-line

FMD Serotype O risk assessment

- **Response to threats of FMD-O further spread in the region**
- **Emergency TCP - the risk of FMD serotype O in Southern Africa**
- **Aug 2023 – May 2024; 500,000 USD**
- **Strengthened capacity for early detection, preparedness & response, provision of reagents, RBSP (MZ & ZW)**
- **Comprehensive risk assessment of Serotype O to identify main risk pathways for informed risk-based control**



4. Support in pipe-line

Capacity development under DTRA Support – Global level including Africa - GCP/GLO/074/USA

- **PSO induction training (EN & FR)- Sep/Oct 2023**
 - Induction training on-going in English 9 participants (**East Africa**)
 - French session planned in October 2023 for 5 participants (**West & Central Africa**)
- **Epi training for national Epi focal points (Q4 2023)**
 - PCP focal point training (Q1 2024)
 - Development of surveillance and socioeconomic guidelines – In progress
- **FMD Laboratory Mapping Tool developed (to be piloted)**
- **FMD field outbreak investigation, disease recognition, sample collection & shipment (**Southern Africa** – MZ, TZ & ZM)**



5. CONCLUSIONS

FAO's support (with partners) target:

- **Reduction of virus load in endemic countries & maintenance of freedom status in free countries**
- **Technical support through GF-TADs structures & mechanisms (FMD-WG, Regional Roadmap, RAG, PSO)**
- **Capacity development**
 - **RBSP**
 - **Training: lab, field**
 - **Provision of reagents, consumable, field & lab equipment**
- **Vaccination to control outbreaks (awareness, surveillance, PVM)**



Thank you for your attention!