



Food and Agriculture
Organization of the
United Nations



Foot and Mouth Disease FAO Activities

SEACFMD
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Filip Claes and Melissa McLaws
FAORAP





**SPREAD THE
WORD**

PCP-FMD HUB

Repository for resources
supporting PCP-FMD

FAO Virtual Learning Centers

The Progressive Control Pathway for Foot-and-Mouth
Disease Hub



Self register: <https://virtual-learning-center.fao.org/admin/tool/custompage/view.php?id=58>

PREPAREDNESS FOR EMERGING FMD VIRUS SEROTYPE SAT1 IN SOUTH AND SOUTHEAST ASIA

TCP/RAS/4101

MAY 2026–2027

1 IMPACT

Earlier detection, rapid diagnosis, and coordinated response to emerging FMD serotypes will safeguard livestock value chains, trade, and livelihoods and protect regional food security while avoiding the substantial economic losses associated with uncontrolled FMD epidemics.



RECIPIENT COUNTRIES

CAMBODIA
INDONESIA
LAO PDR
MONGOLIA
PHILIPPINES
PAKISTAN
THAILAND
VIET NAM

2 OUTCOME

Earlier detection, rapid diagnosis and characterization, and timely response to the incursion of new FMD viral strains in South and Southeast Asia.



EARLY WARNING
& SURVEILLANCE



DIAGNOSTICS &
LAB CAPACITY



COORDINATED
RESPONSE



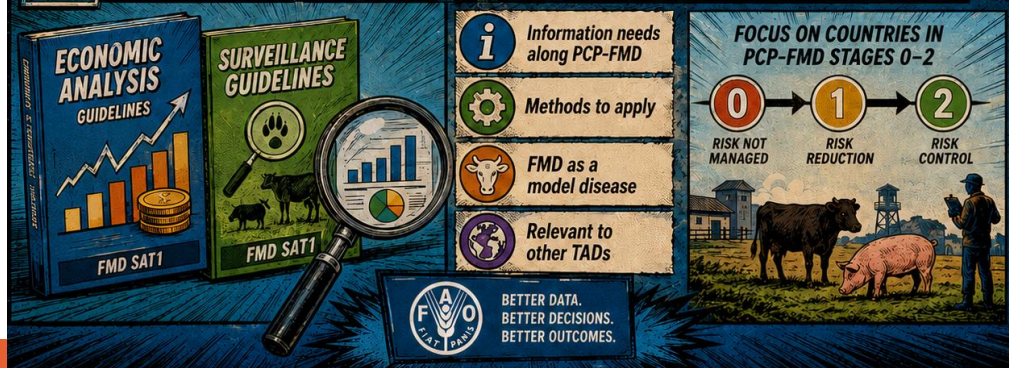
PROTECT LIVELIHOODS
& FOOD SECURITY

TOOLS AND GUIDANCE

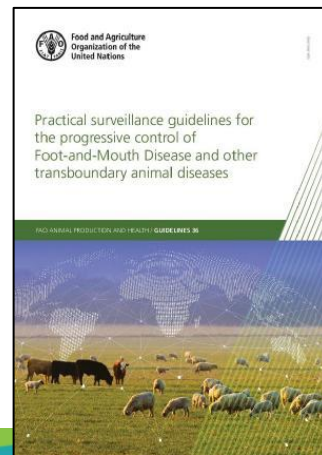
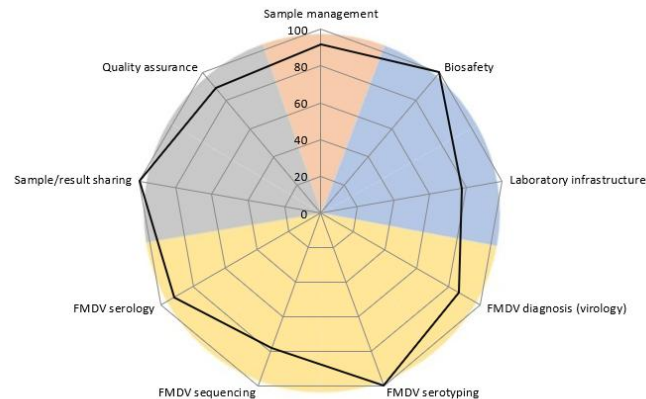
1 LABORATORY MAPPING TOOL - FMD MODULE



2 GUIDELINES: ECONOMIC ANALYSIS AND SURVEILLANCE



LMT-FMD Output

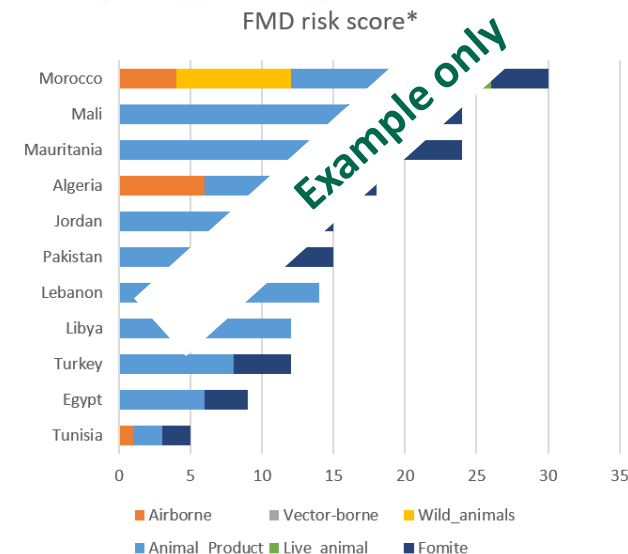


Tools and guidelines

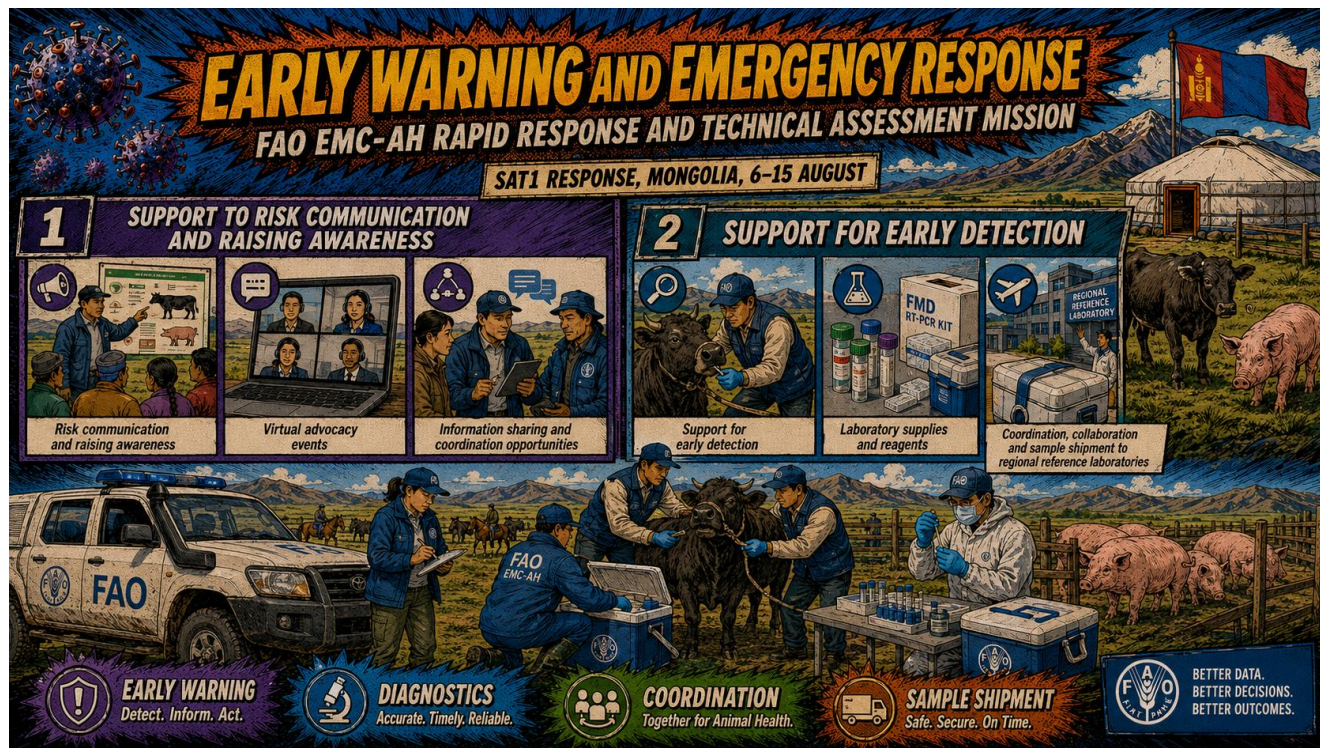
Risk Monitoring Tool

- A framework to monitor the risk of entry of FAST diseases, using available information
- Tool calculates **risk scores** from the perspective of a single "target" country, and considers
 - The disease risk in the source countries
 - The strength of connection between the source countries and target country
 - The effectiveness of the pathways at transmitting disease
- Virtual training webinars held on 24 June and 16 July, with wide participation including TCP project countries

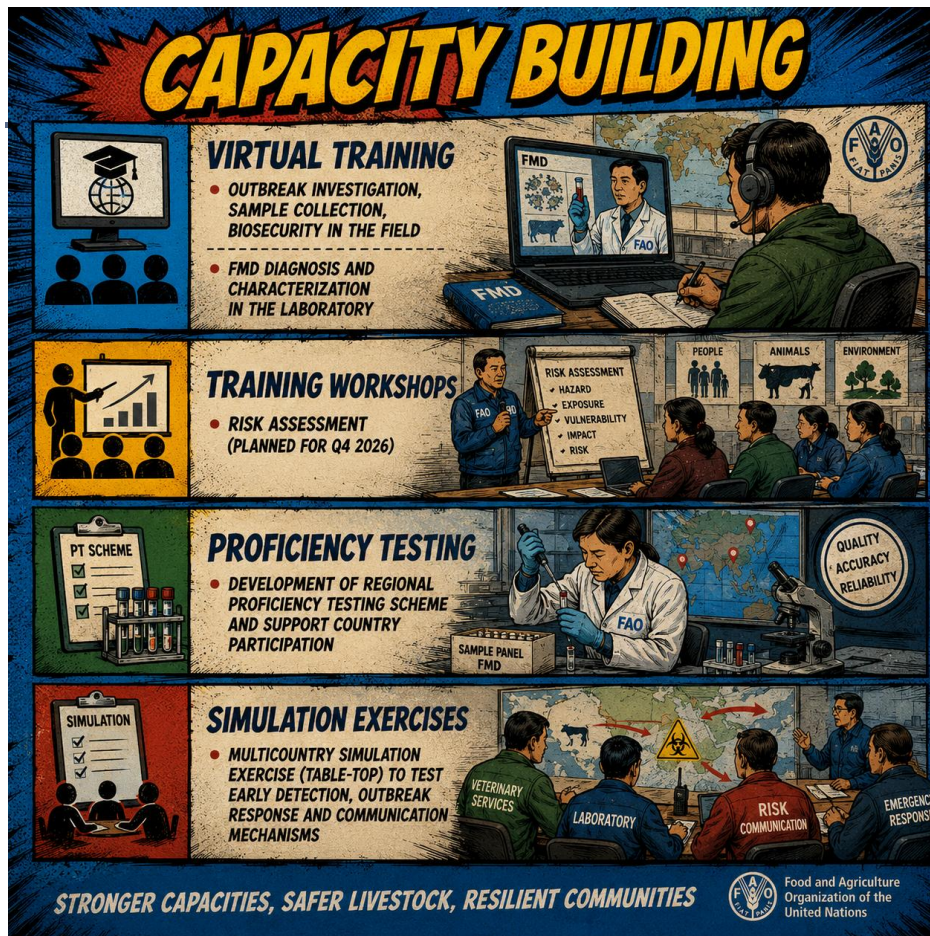
region	Country	FMD	PPR	LSD	BEF	RVF	SGP
SEEN	Afghanistan	0	0	0	0	0	0
SEEN	Iraq	0	0	0	0	0	0
SEEN	Georgia	0	0	0	0	0	0
SEEN	Armenia	0	0	0	0	0	0
SEEN	Azerbaijan	0	0	0	0	0	0
SEEN	Iran	0	0	0	0	0	0
Middle East	Syria	0	0	0	0	0	0
Middle East	Palestine	0	0	0	0	0	0
Middle East	Sudan	0	0	0	0	0	0
North Africa	Tunisia	7	16	0	0	0	25
Middle East	Egypt	9	6	9	8	3	8
SEEN	Turkey	12	4	6	6	0	10
Middle East	Libya	12	12	0	0	10	12
Middle East	Lebanon	14	12	12	0	0	12
SEEN	Pakistan	15	8	0	6	0	12
Middle East	Jordan	15	12	12	8	0	12
North Africa	Algeria	27	8	0	0	0	36
North Africa	Mauritania	24	12	27	7	21	18
North Africa	Mali	24	12	27	0	24	0
North Africa	Morocco	34	26	0	0	0	0



Early warning and emergency response



EMC mission to Indonesia, 2022



Strategic direction





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FMDV

ANY QUESTIONS?

FOOT-AND-MOUTH DISEASE (FMD)



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FAO

VETERINARY SERVICES

FAO

MOBILE FIELD LAB

SAMPLE TRANSPORT

FMD SAMPLES

FMDV PCR
Ag ELISA
VNT
BUFFER

FMD CONTROL STRATEGY

- ☒ SURVEILLANCE
- ☒ VACCINATION
- ☒ BIOSECURITY
- ☒ RAPID RESPONSE
- ☒ COMMUNICATION

RT-qPCR
MOBILE LAB

WORKING TOGETHER TODAY FOR A DISEASE-FREE TOMORROW