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Organization of the
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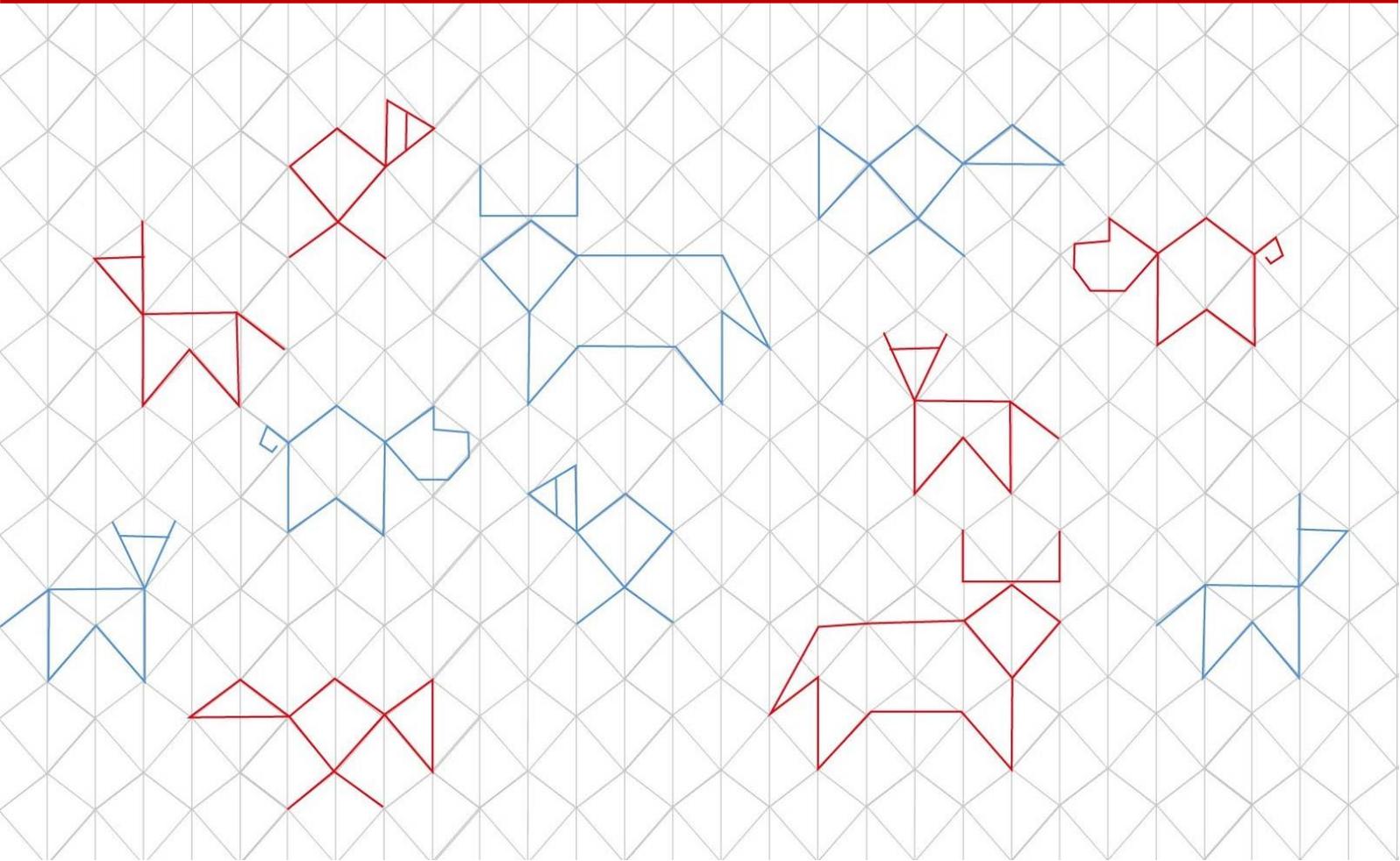


World Organisation
for Animal Health
Founded as OIE

PPR Blueprint Consultation and FMD Roadmap meeting for Economic Cooperation Organisation (ECO)/West Eurasia countries

Baku, Azerbaijan
25-27 April 2023

Report



Vision for the West Eurasia Roadmap for Foot-and-Mouth Disease Control

Regional cooperation among West Eurasian countries for the progressive control of FMD leading towards freedom of clinical disease by 2027 for regional economic development, food security, and poverty alleviation.

Видение Дорожной карты по контролю ящура в Западной Евразии

Региональная кооперация между Евразийскими странами в целях прогрессивного контроля ящура ведет к свободе от клинического проявления болезни к 2027 г. для экономического развития и снижения уровня бедности.

Acknowledgements

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FAO and WOAHA also express their sincere thanks to the Republic of Azerbaijan, for hosting the event and thus contributing to the success of the meeting in 2023.

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Acronyms

ANSES	Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail
ARRIAH	Federal Service for Veterinary and Phytosanitary Surveillance
CVO	Chief Veterinary Officer
ECO	Economic Cooperation Organization
EpiNet	West Eurasian Epidemiology Network
EuFMD	European Commission for the Control of Foot-And-Mouth Disease
FAO	Food and Agriculture Organization of the United Nations
FAO REU	FAO Regional Office for Europe and Central Asia
FMD	Foot-and-mouth disease
FMD WG	FMD Working Group
GF-TADs	Global Framework for the Progressive Control of Transboundary Animal Diseases
IZSLER	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna
OCP	Official Control Programme
PCP-FMD	Progressive Control Pathway for the control of Foot-and-Mouth Disease
PPR	Peste des petits ruminants
PPR GCES	PPR Global Control and Eradication Strategy
PPR GEP	PPR Global Eradication Programme
PMAT	PPR Monitoring and Assessment Tool
PSO	PCP-FMD Support Officer
PTS	Proficiency testing schemes
PVM	Post-Vaccination Monitoring
PVS	Performance of Veterinary Services
RAG	Regional Advisory Group
RAP	Risk Assessment Plan
RBSP	Risk-Based Strategic Plan
RECs	Regional Economic Communities
SAT	PCP-FMD Self-Assessment Tool
TADs	Transboundary Animal Diseases
ToRs	Terms of Reference
VLC-REU	Virtual Learning Center for Europe and Central Asia
WelNet	West Eurasian Laboratory Network
WOAH	World Organisation for Animal Health
WOAH SRR	WOAH Sub-Regional Representation
WRL-FMD	World Reference Laboratory for FMD, Pirbright Institute, UK

Background

Foot-and-mouth disease (FMD) roadmap meetings are organised under the umbrella of the Global Framework for the Progressive Control of Transboundary Animal Diseases (GF-TADs) of the Food and Agriculture Organization (FAO) and World Organisation for Animal Health (WOAH, founded as OIE). They are initiated by the FMD Working Group, with the technical support from the European Commission for the control of FMD ([EuFMD](#)). Participants include Chief Veterinary Officers (CVOs)/WOAH Delegates and national laboratory, epidemiology and PCP-FMD focal points (experts) engaged in FMD control programmes, FAO regional and national representatives, WOA Regional and Sub-Regional representatives, representatives from regional bodies and from the FAO/WOAH Reference Laboratory [Network](#) for FMD. This is one of several initiatives to implement the [Global FMD Control Strategy](#) and to encourage countries to progressively control FMD using the [Progressive Control Pathway for FMD](#) (PCP-FMD) at country level, with efforts coordinated at regional level.

The West Eurasia (WEA) Regional Roadmap was launched in 2008 in Shiraz (Iran) and followed by eight meetings in Istanbul 2009, 2010, 2012, Baku 2013, Astana 2014, Almaty 2015, Bishkek 2016, and Shiraz 2019.

The 9th Regional Meeting to review the progress of the West Eurasia FMD Roadmap was held in Baku, Azerbaijan under the umbrella of the GF-TADs by its FMD Working Group, with the collaboration and support of the EuFMD, the Food Safety Agency of the Republic of Azerbaijan, the WOA sub-regional representation for Central Asia and FAO regional office for Europe and Central Asia and its Virtual Learning Center (VLC-REU).

The meeting, for the first time, addressed both *Peste des Petits Ruminants* (PPR) and FMD (albeit in sequential order, and not mixing the two), and was organized in two phases: (i) the virtual preparatory phase occurred a week before the in-person meeting and aimed at helping country participants prepares for the in-person meeting (this phase was hosted on the [VLC-REU dedicated Moodle page](#)) ; and (ii) the in-person regional meeting from 25 to 27 April 2023. The agenda of the in-person meeting is available in Annex 1.

The WEA roadmap region belongs to the FMD virus (FMDV) Pools 3 (map [here](#)).

Ten countries (Azerbaijan, Georgia, the Islamic Republic of Iran, Kazakhstan, Kyrgyzstan, Syria, Tajikistan, Türkiye, Turkmenistan, and Uzbekistan) of the WEA FMD roadmap region participated in this meeting. In addition, the FAO Regional and National Representatives, WOA Regional and Sub-Regional Representatives, and representatives from regional bodies and from the WOA/FAO Reference Laboratory Network for FMD were invited. The presentations given by technical experts and useful links and resource documents/tools included in the PCP-FMD toolkit are available on the [VLC-REU dedicated Moodle page](#), for which access is restricted to invited participants.

Objectives (FMD Specific)

- i. Review implementation of the recommendations of the 8th West Eurasia FMD Roadmap meeting;
- ii. Share and review information on changes in risks related to FMD virus circulation within the WEA FMD virus ecosystem to support recommendations for the implementation of effective control measures, including vaccination strategies;
- iii. Strengthen understanding of PCP-FMD principles and facilitate the application of the PCP-FMD toolkit, including the Self-Assessment Tool (SAT-v2), to assist and guide countries in the development, implementation and monitoring of national strategies;
- iv. Assess and map progress in FMD control by reviewing the results of ongoing FMD control activities at the national level (SAT-v2 results);
- v. Strengthen the capacity of the FMD Regional Advisory Group (RAG) to monitor and follow-up on the recommendations of the WEA FMD roadmap;
- vi. Update the roadmap for the regional control of FMD in WEA until 2027 using the principles of the PCP-FMD;
- vii. Identify the support needed by countries from development partners to address FMD and strengthen their surveillance systems and laboratory capacity;
- viii. Strengthen control measures and push for progress in controlling FMD virus circulation in the region.

Methodology

The FMD Working Group and PPR Secretariat engaged virtually with the invited countries in preparation to the joint roadmap meeting, so that the physical meeting discussions were focused on achieving expected results.

For FMD, countries were required to complete and submit the PCP-FMD self-assessment tool (SAT-v2) and questionnaires about their FMD situation including vaccination prior to the meeting.

The meeting combined presentations, plenary and group discussions. International and regional organizations (i.e., FAO, ECO and WOA) presented the global and regional perspective of FMD and PPR, opportunities that exist for FMD control and eradication of PPR, and possible support each organization may offer. A group discussion on the way forward based on the grouping of countries according to the epidemiology of FMD, PPR or other similar arrangements was organised to build consensus on interventions to be implemented in the coming few years.

Welcome and adoption of the agenda

Mereke Taitubayev, WOA Representative for Central Asia, on behalf of WOA Director General and WOA Regional Representative in Moscow, welcomed the participants of this three-day in-

person meeting, and started by reminding the context of the meeting, acknowledging the presence of Member countries in the meeting.

Goshgar Tahmazli (Chairman Food Safety Agency of the Republic of Azerbaijan), Bariz Mehdiyev (FAO Azerbaijan), Carsten Poetzch (EuFMD), and Gurkan Polat (ECO Secretariat) provided their remarks on behalf of their respective organizations.

The meeting was officially opened by His Excellency, Majnun Mammadov, Minister of Agriculture of the Republic of Azerbaijan.

The agenda and list of participants are in Annex 1 and 2 respectively.

Updated membership of the Regional Advisory Group for West Eurasia (2023-2025)

Participants elected three Delegates and two experts from West Eurasian Epidemiology (EpiNet) and laboratory (WelNet) Networks as voting members of the Regional Advisory Group (RAG) for West Eurasia:

- Galib Abdulaliyev, Delegate of Azerbaijan (Chairperson of the RAG);
- Samat Tyulegenov, Delegate of Kazakhstan;
- Amir Javadi, Representative of the Delegate of Iran;
- Satenik Kharatyan, EpiNet Leader from Armenia (elected at the WEA Epi and Lab meeting in August 2021) ;
- Abdalnaci Bulut, WelNet leader from Republic of Türkiye (elected at the WEA Epi and Lab meeting in August 2021).

Non-voting RAG members are as follows:

- The FMD-WG members;
- FAO and WOAHA Regional Representatives;
- The World Reference Laboratory for FMD (WRLFMD) representative.

Overview of global and regional FMD situation and vaccines recommendations

[D. King/Pirbright Institute on behalf of WOAHA/FAO FMD Laboratory Network (<https://foot-and-mouth.org/>)]

The presentation provided by Donald King (full presentation available on [VLC-REU dedicated Moodle page](#)) summarised data from the WOAHA/FAO FMD Laboratory Network (www.foot-and-mouth.org) relevant to FMD in West Eurasian countries. West Eurasian countries represent an important component of FMD endemic Pool 3 where serotypes O, A and Asia 1 circulate. The presentation summarised the distribution of the established FMDV lineages including O/ME-SA/PanAsia-2, A/ASIA/Iran-05 and serotype Asia 1.

The region has also recently experienced introductions of new viral strains from other endemic pools. From Pool 2 (South Asia), the O/ME-SA/Ind-2001e lineage has caused FMD cases in Pakistan, while the O/ME-SA/SA-2018 lineage has spread during 2021 to Oman and UAE. Viruses of East African (Pool 4) origin have been detected in the Gulf States (O/EA-3 and A/AFRICA/G-I) and Palestine (O/EA-3) (Figure 1).

Epidemiological events in the region have been recently over-shadowed by the emergence of the SAT2/XIV topotype to cause FMD outbreaks in Iraq, Jordan, and Türkiye. These are the first cases due to SAT 2 in these countries and analysis of data for samples and sequences kindly shared by colleagues at the Central Veterinary laboratory and Researches Veterinary Dept, Iraq, FMD (ŞAP) Institute, Türkiye, Jordanian University of Science and Technology (JUST), Jordan and the Animal Health Institute (AHI), Ethiopia, demonstrates that the viruses causing these outbreaks are closely related to each other (>99% nucleotide identity). A new lineage-specific rRT-PCR for SAT/XIV has been developed by KVI, Israel and WRLFMD, where initial results indicate that the ver2 primer/probe set can detect SAT2/XIV viruses but not serotype O, A, Asia 1 or SAT2/VII viruses (further updates can be found at: <https://www.foot-and-mouth.org/science/lineage-specific-pcr>). Furthermore, encouraging data from FMD (ŞAP) Institute, Türkiye and WRLFMD indicate that the SAT 2 specific Ag-ELISA produced by IZSLER can detect SAT2/XIV viruses.

It is important to recognise that further rapid spread of this lineage should be anticipated since SAT2/XIV is spreading in naïve animals without any immunity conferred by previous infection/vaccination. Preliminary results from full genome sequencing (for 9 SAT2/XIV isolates) suggests that there are unsampled cases in the affected countries or elsewhere in the region.

Vaccine matching data has been generated for field viruses collected from the region suggest that two FMD vaccines from Boehringer Ingelheim (SAT2/ERI-98 and SAT2/Zim) are well matched to the SAT2/XIV viruses. Across the different serotypes, the vaccine matching results for serotypes O, A and Asia 1 reinforce the importance of ensuring that good quality vaccines are used with a booster regime (where this is recommended) with good coverage in target host populations. There are a diverse range of FMD vaccines and vaccine strains used in the region (including those from international suppliers and local sources) and the use of harmonised regional reference FMDV antigens provides an approach that could be adopted to allow heterologous post-vaccination responses to be measured and compared.

FMD virus lineage	West Eurasia	Gulf States
O/ME-SA/PanAsia-2	✓	✓
A/ASIA/Iran-05	✓	✓
Asia-1	✓	✓ 2011

From Pool 2		
A/ASIA/G-VII	✓	✓
O/ME-SA/Ind-2001e	✓	✓
O/ME-SA/SA-2018		✓
From Pool 4		
O/EA-3		✓
A/AFRICA/G-I		✓
SAT 2 toptype XIV	✓	✓

Figure 1: FMDV lineage risks in West Eurasia (FMDV Pool 3)

Presentation of outcomes of breakout groups and plenary discussion

A SWOT analysis was used as a framework for analysing strengths and weaknesses of Veterinary Services in the region in disease surveillance, diagnostics, prevention and control of FMD and the opportunities and threats faced to progress along the PCP-FMD. Hereafter are reported the main outcomes of the exercise.

Strengths: trained lab man-power, testing capabilities, capacity to conduct disease surveillance, international support, bilateral agreements, strong cooperation among Members States of Commonwealth of Independent States (CIS), Economic Cooperation Organization (ECO), Eurasian Economic Union on joint investigations and encounter disease threats. Therefore, willingness to control and/or eradicate TADs prevail in the region.

Weaknesses: lack of diagnostic materials and early warning systems, procurement of vaccines and lab supplies, shipment of samples to reference labs, poor communication, weak follow up between two successive regional roadmap meetings.

Opportunities: implementing national and regional studies on animal movement and socioeconomics, finding synergies for the control of TADs using PCP-FMD principles, designing and implementing early warning and vaccination monitoring systems at national and regional levels, promoting public private partnership and donors' engagement

Threats: political commitment and financial support, geopolitical differences that affect regional ownership, rapid genetic evolution and incursion of exotic FMD viruses, vaccine availability and efficacy.

Results of Self-Assessment Tool

A new version (2023) of the PCP-FMD SAT (SAT-v2) was piloted to understand how well a country is progressing on PCP-FMD Stages 1, 2 and 3. A total of 10 countries participated in the exercise

and provided the SAT results which were analysed and presented in the in-person meeting. The key highlights are as below:

- Early warning, information sharing, and vaccination coverage had the highest scores as reported by the countries;
- Improvement is required in value chain description and mapping, socio-economic impact and vaccine matching.

The full presentation is available on the [VLC-REU dedicated Moodle page](#). An online survey was conducted after the meeting to collect end-users' feedback on this new version.

Results of FMD Vaccines and Vaccination Survey (online)

Eleven countries participated in the FMD vaccination survey. The highlights and conclusion of the survey is as follows. The summary presentation provided by the FMD-W is available on the [VLC-REU dedicated Moodle page](#).

Key highlights:

- 9 countries reported vaccinating in both 2022 and 2023
- targeted (n=4) or emergency vaccination (n=6) were reported, 4 countries reported different vaccination intervals for large ruminants (LR) and small ruminants (SR)
- 11 countries reported vaccination coverage for LR and 8 for SR (2022-23)
- 6 countries replied that vaccination is entirely covered by the government
- 2/11 countries indicated that funds in the national budget were NOT sufficient
- Shchelkovo Biocombinat, FGBI "ARRIAH", Boehringer Ingelheim, ŞAP INSTITUTE are main vaccine supplier in the region.
- 11/11 countries confirmed NOT having serotype C included in vaccines used or registered nationally
- 6/11 countries reported potency tests on vaccine prior to use
- 8/11 countries reported vaccine effectiveness studies (PVM)
- 3/11 countries reported outbreaks in vaccinated animals
- Only one country reported SAT2 vaccination

Conclusion:

- Majority of LR in responding countries are vaccinated
- Vaccines including serotypes O, A, Asia1 and SAT2 are used in the region
- More information needed about vaccine strains
- Most countries with reported outbreaks have done vaccine matching
- Wider use of surveillance and PVM is needed to:
 - timely monitor the most common circulating strains (samples collection and submitting to reference laboratories)
 - determine how well the vaccines protect against these strains (vaccine matching, small-scale immunogenicity studies, post-vaccination monitoring)

- monitor virus circulation and vaccination effectiveness
- plan FMD control activities at national and regional level

Provisional West Eurasia FMD Roadmap for 2027

9th FMD Roadmap meeting for West Eurasia (25-27 April 2023, Baku, Azerbaijan)
Presentation of provisional roadmap for 2008-2027, based on information, shared by countries

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	2026	2027	
Afghanistan <i>(absent)</i>	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Armenia	2	2	2	2	2	2	2*	2*	2	2	2	2	2	2	2	2	2	3	3	4	4
Azerbaijan	2	2	2	2	2	2	2*	2*	2	2	2	2	2	2	2	2	3	3			
Georgia	1	1	2*	2	2	2	2	2	2	2	2	2	2	3	3	3					
Iran	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	
Kazakhstan																					
9 northern regions	1	1	1	1	1	1	2*	FnV													
5 southern regions	1	1	1	1	1	1	2*	2*	2*	FwV											
Kyrgyzstan	1	0	0	0	1	1	2*	2*	2*	2*	2*	2*	4	4	4	4					
Pakistan <i>(absent)</i>	0	1	1	1	1	1	2*	2	2	2	2	2	2	2	2	2					
Tajikistan	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Türkiye																					
Thrace																					
Anatolia																					
Turkmenistan	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1					
Uzbekistan	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Assessed by RAG Middle-East (2021)																					
Iraq		1	1	1	2	2	2*	2*	2*	2*	2*	2*	2*	2*	2*	2*	2*	2	2		
Syria		1	1	1	2	2	2*	2*	2*	2*	2*	2*	2*	2*	-						

* provisional status given to the country (countries had six months to provide additional information including Control Plan; if no, they will be downgraded to the previous stage)
** country/zone having entered the OIE pathway for recognition of an FMD free zone with vaccination
FwV : Free with vaccination FnV : Free without vaccination

WOAH

9th West Eurasia FMD Roadmap Meeting Recommendations

The ten countries attending (Azerbaijan, Georgia, the Islamic Republic of Iran, Kazakhstan, Kyrgyzstan, Syria, Tajikistan, Türkiye, Turkmenistan, and Uzbekistan) agreed:

- To re-elect the out-going Regional Advisory Group (RAG) for FMD composed of the CVO/Delegates of Kazakhstan, Azerbaijan, and the Islamic Rep. of Iran in addition to the leaders of WelNET and EpiNET as voting members of the RAG for West Eurasia, for a 3-year period. The new RAG appointed the CVO of Azerbaijan as the new RAG Chairperson.
- To use the assessments of the 9th West Eurasia FMD Roadmap Meeting (Baku, 2023) as a basis to update the Roadmap Table for the West Eurasian countries.

The countries recommended, for a better implementation of the Global FMD Control Strategy at regional level:

General:

1. The participants of the Roadmap to continue the Roadmap process for West Eurasian countries to work towards freedom from clinical FMD in West Eurasia by 2027; the next meeting is proposed to be held in 2025, considering the proposal from Türkiye to host the meeting;
2. Sub-regional FMD meetings be organised among neighbouring countries under the GF-TADs umbrella to ensure (i) the harmonisation objectives and modalities of vaccination strategies; (ii) the improvement of information sharing on outbreaks, animal movements/migration routes and hot spots, market prices, to gain a clear understanding of FMD situation in this sub-region;
3. In order to ensure appropriate vaccine selection and vaccine registration processes, to share and update information on FMD virus serotypes and topotypes both circulating and threatening the region, and on vaccines used (e.g. table including manufacturers and specific vaccine strains lead by WelNet);

Countries:

4. Countries that have not progressed from PCP-FMD Stage 1 since the beginning of the Roadmap process, to be encouraged to develop their RBSP to reach at least Stage 2 of the PCP-FMD by 2024; the GF-TADs FMD Working Group will support through the system of PCP Support Officers (PSOs);
5. To support and strengthen the West Eurasia Epidemiology (EpiNet) and Laboratory (WelNet) networks to share data and information on FMD in the region and to identify needs for improved FMD surveillance and control and reduce the risk of disease; priority

support should be given to countries in PCP-FMD Stage 1 and Stage 2, where a range of technical areas should be strengthened;

6. To make the most possible effort, on regular basis, to collect and deliver samples to FAO/WOAH Reference Laboratories for full characterization of the field isolates, especially in case of suspicion of introduction of new strain or modification of strain currently circulating in the region;
7. To promote the implementation of immunogenicity studies, based on Post-Vaccination Monitoring (PVM) guidelines, and share the results to assess and evaluate immune response to the different vaccines used in the region;
8. To advocate for political commitment and mobilization of resources towards FMD control, supported by socio-economic studies regarding the impact of FMD and benefit of control.

Reference Laboratories:

9. To continue to provide FMD virus diagnostic support to the West Eurasian countries, particularly in (i) facilitation of shipment of FMD samples, (ii) participation in proficiency testing programmes and (iii) vaccine matching;
10. To continue working on the development and evaluation of rapid test kits (Lateral Flow Device - penside test) and their potential use to simplify shipment of samples, to assist countries with limited resources and access to advanced laboratory diagnostics, for the early detection and rapid response to FMD outbreaks;
11. To publish information about circulating strains in the region;
12. To work with countries to establish a feasible system to regularly assess vaccine potency.

EpiNet and WelNet:

13. Reference laboratories to work with countries to establish a feasible system to regular assess vaccine potency (quality);
14. To encourage the active participation of nominated Points of Contact to the epidemiology and laboratory networks (EpiNet and WelNet);
15. The WelNet group (with support from the international reference laboratories), to consider whether common reference strains can be used to calibrate laboratory assays, used to assess heterologous antibody responses of vaccines (in support of PVM);
16. To encourage bilateral coordination between countries sharing borders for the timely sharing of information on outbreaks and disease management activities;
17. To encourage the sharing of information for the development of a regional map of risk hotspots for FMD that include live animal markets, slaughterhouses, migration routes, shared pastures, etc.

Supporting Organisations:

18. To provide technical backstopping to countries for their progression along the PCP-FMD;
19. To facilitate and assist the implementation of regional studies on socio-economic analysis; in this regard international organisations are invited to promote trainings, workshops and the development of tools to collect and analyse risk information based on animal mobility;
20. To develop tools to facilitate the selection of vaccine strains, in order to improve the capacity of countries in the region to define risk profiles for the definition of vaccine strain priorities;
21. To support and strengthen the EpiNet and WelNet according to their workplans including by facilitating meetings and providing organizational support;
22. To promote the training material available on the EuFMD learning website, FAO's Virtual Learning Centers' platform and WOAHA Capacity Building modules;
23. To continue to conduct training workshops on international standards and guidelines and on the various PCP-FMD tools (experience sharing by countries at advanced level of implementation of the PCP-FMD should be included in the training);
24. To train veterinarians on surveillance design and database preparations, with a training of trainer approach;
25. To promote the Public-Private Partnerships (PPPs) concept and to support West Eurasian countries to develop, if and when relevant, sustainable PPPs to strengthen Veterinary Services.

Vaccine recommendations, based on FMD virus lineages circulating in the region.

WOAH/FAO Reference Laboratories and WelNet recommend that Veterinary Services ensure that the vaccines used are appropriate for the viruses circulating in the region and are in line with WOAHA standards. Based on data recently collated by the WOAHA/FAO FMD Reference Laboratory Network (<https://www.foot-and-mouth.org>), the following FMD virus lineages are circulating in the region and should be considered for a vaccine tender, based on risk assessment:

- SAT2/XIV
- O/ME-SA/PanAsia-2
- A/ASIA/Iran-05
- A/ASIA/G-VII
- Asia-1/Sindh-08

Additional considerations for vaccine selection:

- 1) To help select the most appropriate vaccine, it is suggested that countries examine recent vaccine-matching data reported by FMD Reference Laboratories, and also request that vaccine manufacturers provide empirical data to demonstrate the efficacy of their products against the circulating FMD virus lineages in the target host species (either as individual monovalent components, or after formulation of a multivalent product sold to the market).

- 2) The potency of vaccines should be at least 3PD50 (50% protective dose), but countries may wish to consider the significant benefits of a higher potency vaccine (6 PD50 or higher) for increased effectiveness. Please note that we recommend that Asia1 Shamir vaccine should have a minimum potency of 6PD50.
- 3) While selecting vaccines, countries should also consider epidemiological risks posed by FMD virus circulation in neighbouring regions. In addition to the FMD virus lineages listed above, the O/ME-SA/Ind-2001 and SAT2/XIV lineage has also spread widely in many different parts of the world, including the Persian Gulf States of the Middle East.

The 28th of April 2023 (validated on the 28th of June 2023)

Annex-1 Agenda

**PPR Blueprint Consultation and FMD Roadmap meeting
for Economic Cooperation Organisation (ECO)/West Eurasia countries
25 – 27 April 2023 (hybrid)
Baku, Azerbaijan**

Provisional Agenda

Date and time	Activity	Speaker
Day 1 - 25/04/2023 - PPR		
08:30 – 09:00	Registration	WOAH SRR for CA FAO Azerbaijan
09:00 – 09:30	Welcome remarks	Mereke Taitubayev (Moderator) WOAH SRR for Central Asia Goshgar Tahmazli Chairman of the Food Safety Agency of the Republic of Azerbaijan Majnun Mammadov Minister of Agriculture of the Republic of Azerbaijan Bariz Mehdiyev FAO Azerbaijan Carsten Poetzch EuFMD Gurkan Polat ECO Secretariat (online)
09:30 – 09:40	Regional PPR situation	Mark Hovari, FAO Office for Europe and Central Asia
09:40 – 09:50	ECO regional PPR strategy	Gurkan Polat, ECO Secretariat (online)
Video - AFSA		
10:00 – 10:30	GROUP PHOTO AND TEA BREAK	
Moderator: Mark Hovari		
10:30 – 11:30	PPR GEPII/III and Blueprint Presentation and Discussion	Camilla Benfield, PPR Secretariat
11:30 – 12:10	Countries' presentations on implementation of the NSPs in last five years and priorities for aligning with PPR GEP Blueprint (Surveillance, Post Vaccination Evaluation, Diagnosis, Cross-border harmonization, Livestock Movement	2 countries (PPR present – Georgia, Islamic Republic of Iran)

	Control, Stakeholder & Partnerships, Resource mobilization)	
12:10 – 12:20	Feedback session on the two countries presentations	All
12:20 – 12:40	Countries' presentations on implementation of the NSPs in last five years and priorities for aligning with PPR GEP Blueprint (Surveillance, Post Vaccination Evaluation, Diagnosis, Cross-border harmonization, Livestock Movement Control, Stakeholder & Partnerships, Resource mobilization)	2 countries (PPR present – Türkiye, Tajikistan)
12:40 – 12:50	Feedback session on the two countries presentations	All
12:50 – 13:50	LUNCH BREAK	
Moderator: Delegate of Azerbaijan		
13:50 – 14:30	PPR Episystem and discussion on identification of Episystem	Giancarlo Ferrari, PPR Secretariat (online)
14:30 – 15:10	PPR & FMD: Planning Vaccination, sourcing vaccines & Post Vaccination Monitoring	Carsten Poetzch, FMD-WG Giancarlo Ferrari PPR Secretariat (online)
15:10 – 15:20	Plenary discussion: Vaccination Strategies FMD & PPR	Carsten Poetzch and Giancarlo Ferrari, FMD-WG and PPR Secretariat
15:20 – 15:50	Countries' presentations on challenges, opportunities, and priorities for aligning with PPR GEP Blueprint (Surveillance, Diagnosis, Control, Cross-border harmonization, Livestock Movement Control, Stakeholder & Partnerships, Resource mobilization)	2 countries (Never reported – Kazakhstan, Kyrgyzstan)
15:50 – 16:00	Feedback session on the two countries presentations	All
16:00 – 16:30	TEA BREAK	
Moderator: Bouda Ahmadi		
16:30 – 17:00	Countries' presentations on challenges, opportunities, and priorities for aligning with PPR GEP Blueprint (Surveillance, Diagnosis, Control, Cross-border harmonization, Livestock Movement Control, Stakeholder & Partnerships, Resource mobilization)	3 countries (Never reported – Turkmenistan, Uzbekistan, Azerbaijan)
17:00 – 17:10	Feedback session on the three countries presentations	All
17:10 – 17:40	PPR field diagnosis and diagnostic tools (support to field labs – proficiency testing) and molecular diagnosis	Arnaud Bataille, FAO/WOAH PPR Reference laboratories (online)
17:40 – 17:50	Plenary discussion on PPR diagnosis, capacity development and support	All
19:00	WELCOME DINNER	
Day 2 - 26/04/2023 - PPR & FMD		
Moderator: Mereke Taitubayev		

09:00 – 09:30	Revised PMAT and feedback (open discussion)	Simon Kihu, PPR Secretariat and all
09:30 – 10:15	WOAH Standard Operating Procedures for official recognition of PPR free status and endorsement of official PPR control programmes & general requirements of the Terrestrial Animal Health Code on PPR	Anna-Maria Baka, WOAHP Status Dept. (online)
	Feedback and Q&A session	All
10:15 – 10:40	Country presentations on contingency plans and emergency preparedness	1 country (PPR free – Russia)
	Feedback session on the country presentation of Russia	All
10:40 – 11:00	Role of Regional Advisory Group (RAG) RAG activities	Camilla Benfield, PPR Secretariat RAG Chairman
11:00 – 11:20	TEA BREAK	
Moderator: Carsten Poetzch		
11:20 – 11:30	Global perspective of the FMD Control Strategy	Muhammad Arshed, FMD-WG
11:30 – 11:50	FMD virus situation at global level and in West Eurasia and implications on vaccine matching and vaccine selection for West Eurasia	Donald King, WRL-FMD (online)
11:50 – 12:10	Information on the activities of the regional reference laboratory for FMD. Maintaining official status of FMD free zones in Russian Federation	Viktor Nikiforov, ARRIAH
12:10 – 12:30	Discussions	All
12:30 – 13:00	8 th FMD roadmap meeting Recommendations review and discussion	Mohamed Sirdar, FMD-WG
	RAG: Terms of reference and election process	
13:00 – 14:00	LUNCH BREAK	
Moderator: Jean Perchet		
14:00 – 14:20	Call for the FMD RAG nominations, and FMD RAG election (2023-2025)	Mohamed Sirdar, FMD-WG
14:20 – 14:40	Feedback on FMD vaccine and vaccination questionnaire	Carsten Poetzch, FMD-WG
14:40 – 15:00	Activities and proposed mechanisms to improve FMD vaccine security	Bouda Ahmadi, GF-TADs Global Secretariat
15:00 – 15:20	Discussions	All
15:20 – 16:00	FMD group discussions: identify challenges and solutions	Muhammad Arshed, FMD-WG
16:00 – 16:30	TEA BREAK	
Moderator: Muhammad Arshed		
16:30 – 16:50	WOAH/FAO activities in support to countries	Mereke Taitubayev and Mark Hovari, WOAHP/FAO Regional Offices

16:50 – 17:10	GF-TADs Perspective for Resource Mobilization	Bouda Ahmadi, PPF/GF-TADs Global Secretariat
17:10 – 17:50	Partner activities in support to countries for FMD & PPR	Global and Regional Partners
17:50 – 18:10	Discussion session – Resource Mobilisation	All Moderator: Bouda Ahmadi
19:30	DINNER AT THE HOTEL	
Day 3 – 27/04/2023 - FMD & PPR		
<i>Moderator: Mark Hovari</i>		
09:00 – 10:00	Experiences from (3) countries (SAT2 preparedness and response)	CVOs/WOAH Delegates of Türkiye, Azerbaijan, and Iraq
10:00 – 10:30	FMD Self-Assessment Tool results: summary and discussion	Mohamed Sirdar, FMD-WG
10:30 – 11:00	TEA BREAK	
11:00 – 11:20	Support for the development and implementation of national FMD control strategies	Muhammad Arshed, FMD-WG
11:20 – 12:30	Parallel FMD sessions:	Laboratory Network Epidemiology Network
	• Update of the Epidemiology network workplan	Facilitator: T.Chaligava, C.Poetzsch
	• Update of the Laboratory network workplan	Facilitator: A.Bulut (leader), M.Arshed, D.King (online)
	• CVO- RAG meeting on recommendations	Facilitators: M.Sirdar, B.Ahmadi
12:30 – 12:50	Workforce Development project	Dmitry Morozov, WOAH SRR for Central Asia
12:50 – 13:20	Reflection on PPR country Action Plans: Feedback session	Simon Kihu, PPR Secretariat, RAG Chair
13:20 – 14:20	LUNCH BREAK	
<i>Moderator: Mereke Taitubayev</i>		
14:20 – 15:00	PPR Recommendations and conclusion	PPR Secretariat
15:00 – 15:30	Updated FMD roadmap and FMD draft Recommendations	FMD-WG and RAG Chair
15:30 – 16:00	Closing Remarks	Food Safety Agency of Azerbaijan Members of Management Committee
END OF MEETING		

Annex-2 List of Participants

Country/ Organisation	Name	Surname	Position
ARRIAH	Viktor	NIKIFIROV	Head of the reference laboratory for FMD diagnostics of FGBI ARRIAH
Azerbaijan	Galib	ABDULALIYEV	CVO of the Republic of Azerbaijan Delegate to WOA
Azerbaijan	Tamilla	ALIYEVA	Deputy Chairman of Azerbaijan Food Safety Institute
Azerbaijan	Eldar	HASANOV	Deputy Chairman of the Agricultural Services Agency under the Ministry of Agriculture
Azerbaijan	Mirvugar	HYSEYNOV	Lead consultant /Animal Health Department / Sector Risk management of animal health and crisis situations
Azerbaijan	Zenfira	KAZIMOVA	Consultant /Animal Health Department /Sector Risk management of animal health and crisis situations
Azerbaijan	Sadi	SHAHVERDIEV	Consultant /Animal health department/Sector Veterinary drugs, feed and feed additives regulation
Azerbaijan	Nariman	ALIEV	Consultant/ Animal Health Department/Animal Identification Sector
Azerbaijan	Masud	XATIBI	Chief of the Center of Animal Health and Veterinary Services of Agrarian Services Agency under the Ministry of Agriculture of the Republic of Azerbaijan
Azerbaijan	Goshgar	TAHMAZLI	Chairman of Food Safety Agency of the Republic of Azerbaijan
Azerbaijan	Balarahim	GULIYEV	Deputy Chairman of Food Safety Agency of the Republic of Azerbaijan
Azerbaijan	Majnun	MAMMADOV	Ministry of Agriculture of the Republic of Azerbaijan
Azerbaijan	Latif	GASIMOV	Head of the Department of Agriculture and Ecology of the Cabinet of Ministers
Azerbaijan	Zakiyya	MUSTAFAYEVA	Deputy Chairman of Food Safety Agency of the Republic of Azerbaijan
Azerbaijan	Siala	RUSTAMOVA	Director of Scientific Research Institute of Veterinary Medicine under the Ministry of Agriculture of the Republic of Azerbaijan

Boehringer-Ingelheim	Nurzhan	BERDENOV	Regional Manager CIS
Boehringer-Ingelheim	Nicolas	DENORMANDIE	Technical director
Boehringer-Ingelheim	Aurélia	BASSI	Commercial Director EUCAN
EuFMD	Carsten	POETZSCH	FMD Laboratory and Epidemio-Surveillance/Techincal Specialist
EuFMD	Bouda	VOSOUGH AHMADI	EuFMD Risk Management Economist/Technical Specialist
FAO HQ	Muhammad Javed	ARSHEED	FMD Working Group
FAO Azerbaijan	Bariz	MEHDIYEV	AFAOR
FAO Azerbaijan	Elmaddin	NAMAZOV	National Programme Coordinator
FAO Azerbaijan	Aynur	SEIDYUSIF	Partnership and Operations Specialist
FAO Azerbaijan	Narmin	ALIYEVA	Senior Program Assistant
FAO Azerbaijan	Gunel	BAYRAMZADE	Procurement support specialist
FAO	Camilla	BENFIELD	PPR Secretariat
FAO REU	Mark Harald	HOVARI	FAO Regional Office for Europe and Central Asia
Georgia	Vasili	BASILADZE	CVO of Georgia
Georgia	Ioseb	MENTESHASHVILI	The Deputy Head of Veterinary Department
Georgia	Tengiz	CHALIGAVA	The Deputy Head of EDP Division of Veterinary Department, Focal point of EuFMD activities in Georgia
Iran	Amir	JAVADI	Deputy Director General, Qazvin Province Veterinary General Directorate
Iran	Yousef	BEHYAR	Deputy Director General, Office of Animal Disease Control

Kazakhstan	Samat	TYULEGENOV	Deputy Chairman of the Committee for Veterinary Control and Supervision of the Ministry of Agriculture of the Republic of Kazakhstan
Kazakhstan	Sayan	KURMANGALIYEV	Head of the Department for Organization and Control of Veterinary Activities
Kazakhstan	Azamat	UMIRKUL	Expert of the Department for Organization and Control of Veterinary Activities
Kazakhstan	Askar	ZHAKUPBAYEV	Chairman of the Committee for Veterinary Control and Supervision of the Ministry of Agriculture of the Republic of Kazakhstan
Kyrgyzstan	Ashirbai	ZHUSUPOV	Director of the Veterinary Service under the Ministry of Agriculture of the Kyrgyz Republic
Kyrgyzstan	Jailobek	OROZOV	Director of the Kyrgyz Scientific Research Institute of Veterinary
Kyrgyzstan	Adilet	SOTOVALDIEV	Head of the Department of Antiepidemiological Supervision of the Veterinary Service
Kyrgyzstan	Muratbek	ISMAILOV	Chief Inspector of the Suzak district Department of Veterinary Service
Syria	Mazen	DIB	WOAH Delegate, Director of Animal Health Directorate
Syria	Shadi	BSESINI	Head of Veterinary Central Labs Section
Syria	Bassem	MOHSEN	Head of Veterinary Quarantine Section
Tajikistan	Faizullozoda	MUHAMMADSAID	Chairman of the Committee for Food Security under the Government of the Republic of Tajikistan
Tajikistan	Saifullo	NURULLOZODA	Assistant to the Chairman of the Committee for Food Security under the Government of the Republic of Tajikistan
Tajikistan	Abdulvakhob	AVGONOV	Lead Specialist of the Department of the Committee for Food Security under the Government of the Republic of Tajikistan
Turkiye	Sedat	ILDIZ	Deputy General Director
Turkiye	Sabri	HACIOĞLU	
Turkiye	Naci	BULUT	Focal point for FMD
Turkmenistan	Arslan	SOLTANMYRADOV	Head of the Department of International and Scientific Relations of the State Veterinary Service

Uzbekistan	Abrar	AKBAROV	Deputy Chairman of the Committee of Veterinary and Livestock Development
Uzbekistan	Sabitdjan	TULYAGANOV	Head of the Department of Certification and Standardization
Uzbekistan	Otabek	ISANOV	Chief specialist of the Department of Animal Health
WOAH RR for AP	Peng	LI	Regional Project Officer Regional Representation for Asia and the Pacific
WOAH RR for Europe	Jean	PERCHET	Technical Assistan Regional Representation for Europe
WOAH RR for SA	Mohamed	SIRDAR	FMD Working Group
WOAH SRR for CA	Mereke	TAITUBAYEV	WOAH Sub-Regional Representative for Central Asia
WOAH SRR for CA	Aigerim	ZHORGABAYEVA	Veterinary Public Relations Officer Sub-Regional Representation for Central Asia
WOAH SRR for CA	Dmitry	MOROZOV	Regional Project Officer on Veterinary Workforce Development in Eastern Europe and Central Asia
WOAH SRR for EA	Simon	KIHU	PPR Secretariat



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