









Report on the status of FMD antigen and vaccine banks in the European region and neighbourhood

Kiril KRSTEVSKI, EuFMD



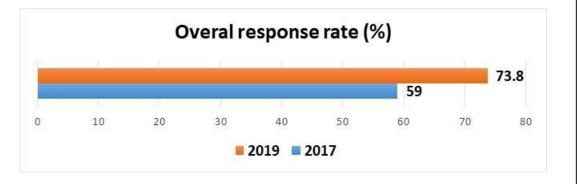






Background

- March 2019 EuFMD circulated a questionnaire to all 39 EuFMD Member States and 3 countries from the European neighborhood
- 31 responses received till publishing (30 EuFMD MS + 1 country from the European neighbourhood);
 and 1 more afterwards



European Commission for the Control of Foot-and-Mouth Disease



Questionnaire on readily-available stocks of formulated vaccine and/or inactivated antigen for emergency use against FMD and other transboundary animal diseases in EuFMD member countries and the European neighbourhood

Please complete in type or in block capitals.

Please address all replies by e-mail: Kiril.Krstevski@fao.org

Please return no later than 8th April 2019

Country:

NOTES

 The information provided will form the basis of the presentation to European CVOs to be made at the 43th General Session of the EurMD Commission, 17-18th April 2019. Specific, potentially sensitive information on vaccine/inactivated antigen stocks will be summarized separately and it is NOT expected that the information will be made publicly available.











Summary of the survey

- 91% of respondent countries include emergency vaccination in their FMD contingency plans (same as 2017)
- 89% of these countries indicated that have mechanism to support decision making in relation to whether to proceed with emergency vaccination and vaccination strategy:
 - subject matter expert committees will support the decision making
 - models are used for this purpose (increased number compared to 2017)









Summary of the survey

- The most important constraints on the capacity to rapidly implement an emergency vaccination:
 - sourcing a suitable human resource pool to conduct vaccination
 - management of vaccinated animals, including post-vaccination monitoring and surveillance
 - biosecurity protocols and property-level risk assessment, including pre-vaccination surveillance.







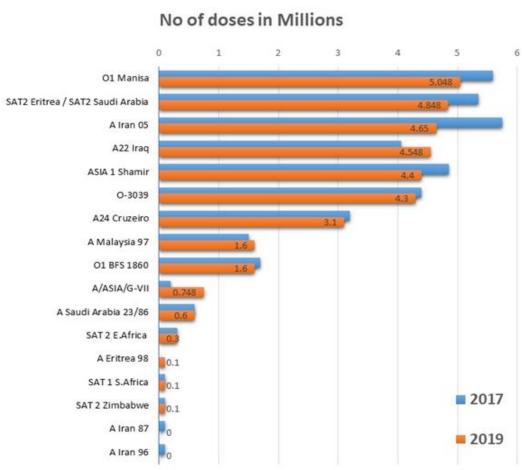


Summary of the survey

Approximately **39 002 000 doses** across **5 serotypes** and **15 antigens** are held **(NB:** Excluding EU bank)

No significant change in the total of antigen stocks held since 2017 (38 mil.)

NB: Results from 1 country are not presented on the chart because no data on vaccine strains was provided









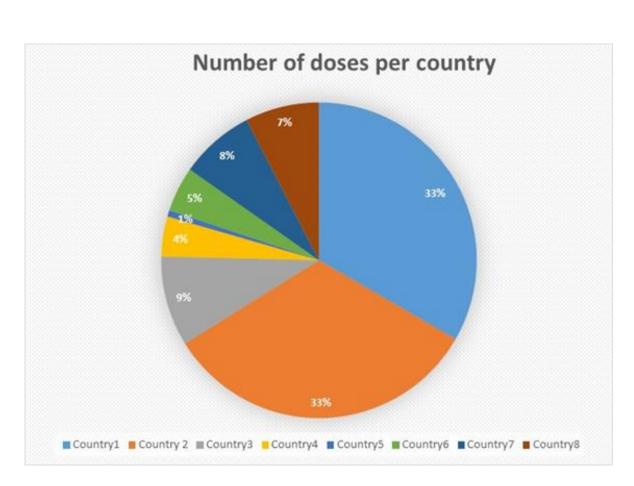


Who holds FMD antigen?

8 EuFMD Member States (5 EU MS; 3 non-EU MS)

Commercial contract 8 with third party supplier

66 % of all antigen doses are held by 2 countries



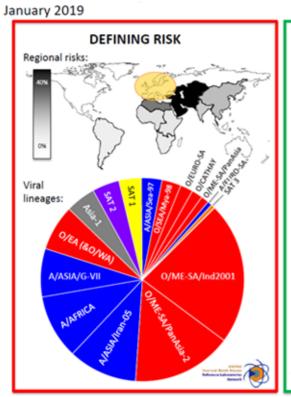


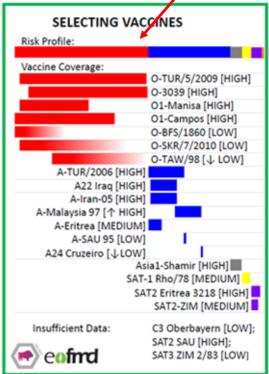






RESULTS FROM THE EuFMD and WRLFMD PRAGMATIST TOOL FOR RISK BASED DECISIONS (January 2019)





NB: Analyses uses best available data, however there are gaps in surveillance and vaccine coverage data

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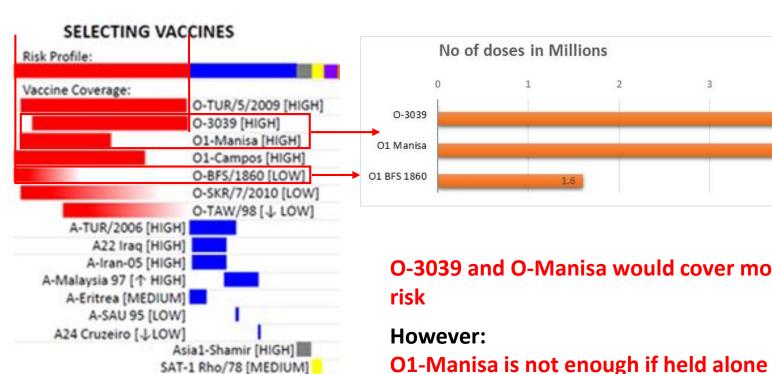








Evaluation of the antigens held in relation to the risk profile (recent PRAGMATIST results)



O-3039 and O-Manisa would cover most of the

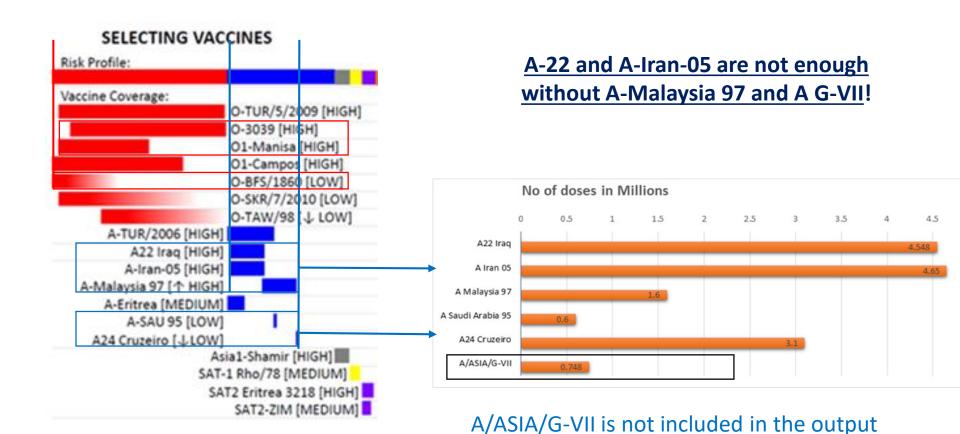
SAT2 Eritrea 3218 [HIGH] SAT2-ZIM [MEDIUM]









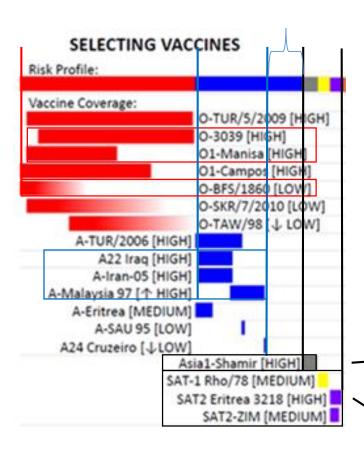






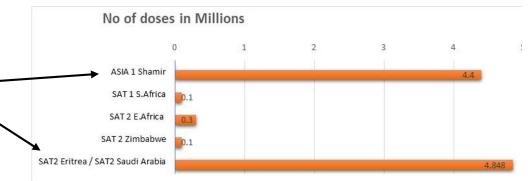






ASIA 1 Shamir and SAT 2 Eritrea cover most of the risk, well represented in national antigen holdings

However, **SAT-1 only by one country**











Overview of antigens held by country

A-22 and A-Iran-05 are not enough without A-Malaysia 97 and A G-VII

A-22 and A-Iran-05 cover the same part of the risk, one would be sufficient

O1-Manisa is not enough if held alone!

		↓ ↓							
		O-3039	O1 Manisa	A Iran 05	A22 Iraq	A Malaysia 97	A/ASIA/G-VII	ASIA 1 Shamir	SAT2 Eritrea
(Country 1								
(Country 2								
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	Country.								
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		0013	Arabia 23/86	A Littlea 30	A24 CIUZEIIO	SAI I S.AIIICa		Zimbabwe	
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- 90% of respondent countries indicated continued interest in, or joining vaccination network.
- Priority discussion topics include:
 - Decision making on vaccination strategies
 - Operational planning for FMD emergency vaccination programs
 - Vaccinated animal management policies









National vaccine banks or other arrangements (commercial contract) for the supply of vaccines for emergency use for other TADs

6 countries (3 national banks and 3 with commercial contracts)

Transboundary animal disease	Number of doses	Number of countries that hold vacc.
Bluetongue	3,000,000	1
Classical swine fever	2,960,000	3
Lumpy skin disease	750,000	2
Rabies	530,000	3
Rift Valley Fever	25,000	1









Conclusions

- Investment in antigen banks in Europe remain significant:
 39, 002, 000 doses, 5 serotypes, 15 antigens.
- Results from the PRAGMATIST tool can be used to determine the extent to which national antigen holdings sufficiently cover against exposure to risk.
- Contingency plans and operational capacity to implement emergency vaccination is a critical component of FMD emergency preparedness.









Thank you for your attention