



1st Virtual Meeting for Epidemiology Network for West Eurasia Region, 2022

Country presentation on FMD epidemiological situation

Russian Federation

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FMD outbreaks in 2021-2022

FMD - infected regions of the RF in 2021



31.12.2021

Legend:

- Raion where there have been outbreak
- main roads
- main cities
- border of the RF
- FMD - type O

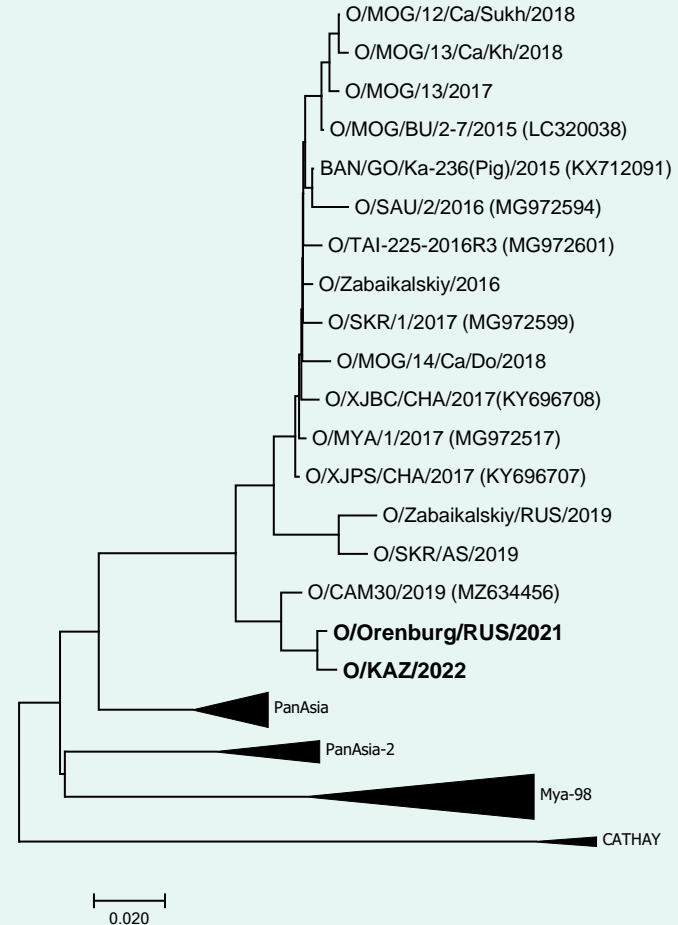
1. Orenburg oblast - 1
v.Karagach, Belyaevskiy raion



**The position of the Orenburg isolate on the phylogenetic tree of FMDV type O.
The dendrogram is based on a comparison of the nucleotide sequences of the VP1 gene.**

Comment:

isolate O/Orenburg/RF/2021 belongs to the genetic line Ind-2001 (India-2001) of the topotype ME-SA (Middle East – South Asia) type O and is genetically close to isolates from Southeast Asia (for example O/CAM30/2019) and Kazakhstan.



Short report on outbreak foot and mouth disease

| Address | Diagnosis date, agency that made a diagnosis | Animal type | Number of animals in outbreaks (head) | | | | | Number of animals in villages (head) | | | Number of animals in the protection zone (head) | Vaccination in the protection zone (head) | Revaccination in the protection zone (head) | Number of animals in the surveillance zone (head) | Vaccination in the surveillance zone (head) | Quarantine imposition date | Quarantine release date |
|---|---|-----------------|--|-------|--------|----------------------|-----------|--------------------------------------|------------|--------------|---|---|---|---|---|--|---|
| | | | Number of animals in the outbreak, including offspring | Cases | Deaths | Casualty slaughtered | Destroyed | Total number in a village | Vaccinated | Revaccinated | | | | | | | |
| Orenburg Oblast, Belyaevsky Raion, Karagach village | 27.12.2021 FGBI «Federal Center for Animal Health», type O | cattle | 17 | 2 | 0 | 17 | 17 | 1768 | 1768 | 1682 | 3545 | 3545 | 3253 | 14156 | 10544 | Decree of the Governor of Orenburg Oblast № 752-cc dated 29.12.2021. | Decree of the Governor of Orenburg Oblast № 35-cc dated 14.02.2022. |
| | | small ruminants | 22 | 0 | 0 | 22 | 22 | 789 | 789 | 730 | 2084 | 2084 | 1910 | 10338 | 6144 | | |

For emergency vaccination in risk areas, the following vaccine was used:

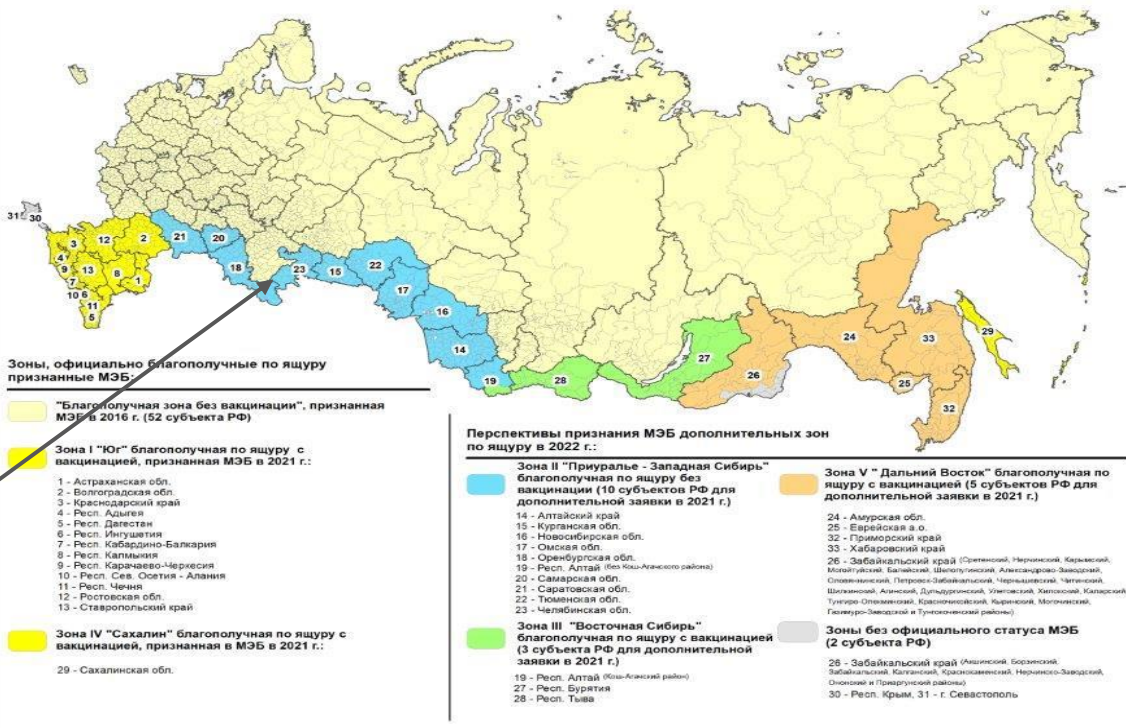
- **Monovalent adsorbed vaccine against FMDV type "O" manufactured by the FGBI "ARRIAH";**
- **Bivalent emulsified vaccine against FMDV type "A" and "O" manufactured by the FGBI "ARRIAH"**

losses/costs

Withdrawn from the OIE "Dossier" on the status of the zone "safe without vaccination" for which we have been preparing for 4 years

- financial losses of the state (veterinary services);
- financial loss of business due to the ban on the movement of animals and some products from the regions of the entire zone (indefinitely, at least for the next 2 years);
- the cost of emergency vaccination in the region and the inclusion in the routine vaccination schedule of vaccination of 10 regions of the country

Zoning of the Russian Federation for FMD 2021



FMD control plan

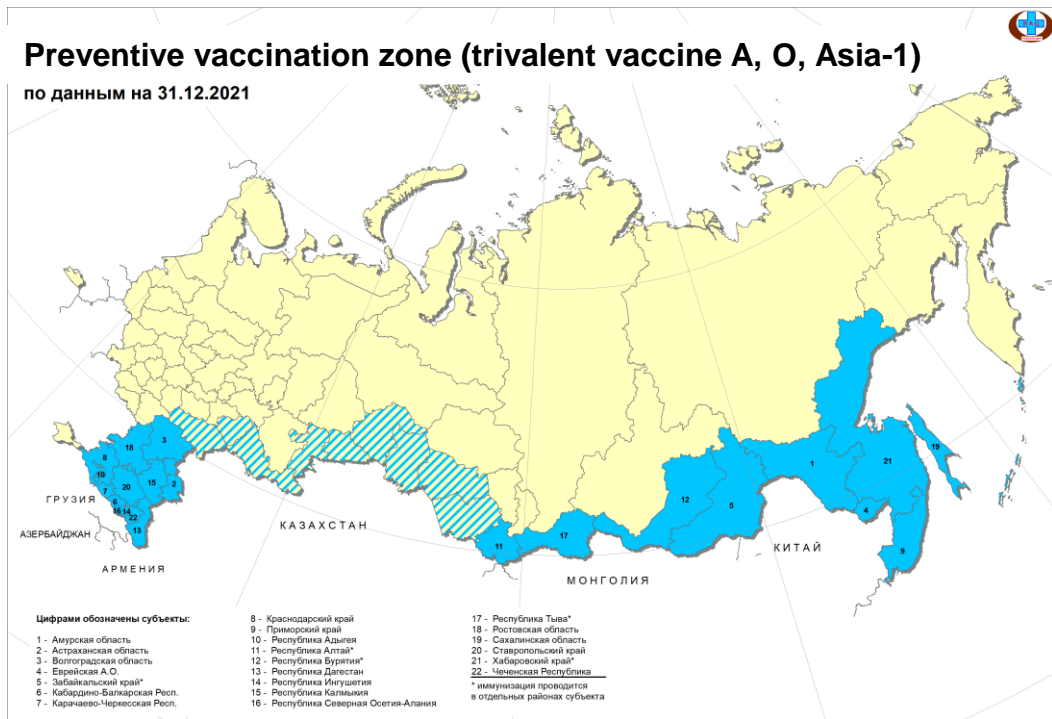
FMD Vaccination in the Russian Federation in 2021 (1000 vaccine doses actually administered)

Cattle - 10303,276

Small ruminants - 19028,345

Deer - 0,976

Camels - 5,456



FMD control plan

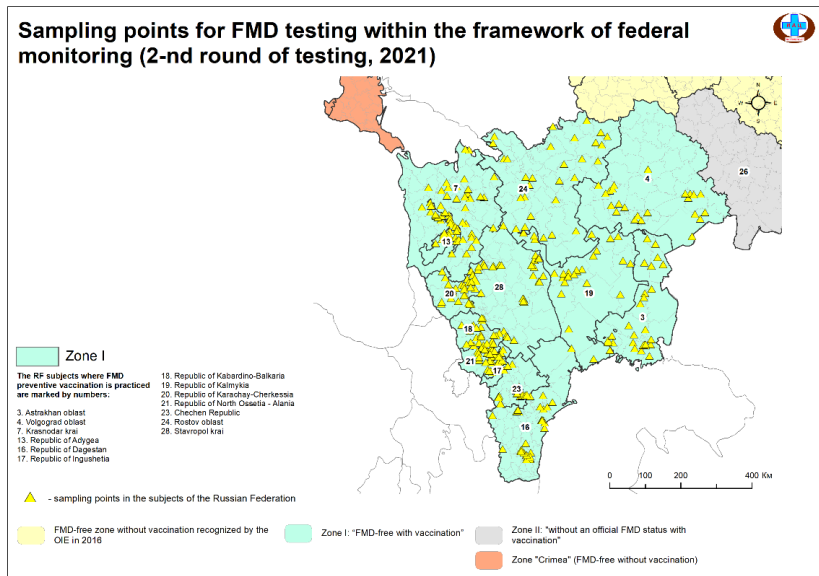
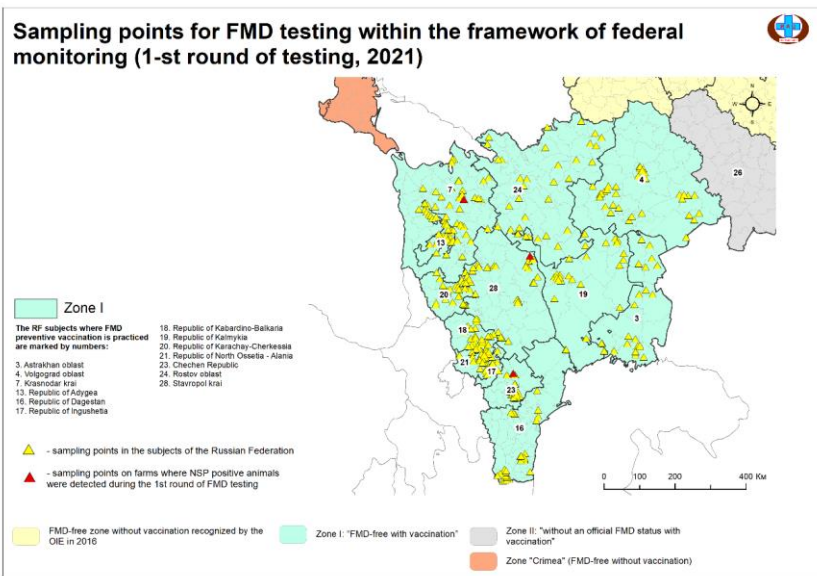
Diagnostic tests in 2021:

Cattle - 21.896 thousand heads of research (NSP) +
32.264 (SP, including studies on the tension of immunity);

SR - 18,243;

pigs - 11,658.






For example: sampling points in the "South" zone:



FMD free zones in Russia



Official FMD status in Russia

-  FMD free zone where vaccination is not practised (August 2015 and March 2016)
-  FMD free zone where vaccination is practised (Sakhalin) consisting of the Island of Sakhalin and the Kurile islands (August 2020)
-  FMD free zone where vaccination is practised of Eastern Siberia consisting of two Subjects (Republic of Tuva and Republic of Buryatia) and one administrative Raion of the Republic of Altai (Kosh-Agachsky Raion) (August 2021)
-  FMD free zone where vaccination is practised (South) including Southern and North Caucasian Federal Districts, consisting of 13 Subjects: Rostov Oblast, Stavropol Krai, Krasnodar Krai, Volgograd Oblast, Astrakhan Oblast, Republic of Kalmykia, Chechen Republic, Republic of Ingushetia, Republic of Dagestan, Kabardino-Balkarian Republic, Karachay-Cherkess Republic, Republic of North Ossetia-Alania, Republic of Adygea (August 2020)
-  Zones of Russia without a recognised FMD status

* Dates shown in brackets indicate when the documents describing the zone were submitted to the World Organisation for Animal Health by the Delegate



Funded by the
European Union

eufmd

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

Sustainable development goals, UN-SDGs. EuFMD's programme has a main focus on



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