

# 91st Session of the EuFMD Executive Committee

The Hague, Netherlands  
9-10 March 2016

Proposals of the Russian Federation  
Dr Nikita Lebedev

Федеральная служба по ветеринарному  
и фитосанитарному надзору  
(Россельхознадзор)



## Risks of FMD introduction in Western Eurasia

- FMD Type A outbreaks were originally reported in September 2015 in Saudi Arabia, in November in Turkey and Iran and in January 2016 in Armenia.
- The virus originates from the Indian subcontinent and belongs to G VII genetic lineage
- An example of a novel "unexpected" FMD introduction from other ecological pool



Федеральная служба по ветеринарному  
и фитосанитарному надзору  
(Россельхознадзор)



2

A/SAU/2/2015  
A/SAU/6/2015  
A/SAU/1/2015 (KU127247)  
A/SAU/3/2015  
A/SAU/4/2015  
A/PD78/IND/2015\* (PD-FMD)  
A/SAU/5/2015  
A/ARM/2/2015 (ARRIAH)  
A/IRN/12/2015  
A/VanTUR/203/2015\* (FMDI)  
A/IRN/8/2015  
A/ARM/1/2015 (ARRIAH)  
A/ARM/3/2015 (ARRIAH)



Федеральная служба по ветеринарному  
и фитосанитарному надзору  
(Россельхознадзор)



3

## Antigenic relationship ( $r_1$ ) between A/ASIA/G-VII strain and production strains using NT

| Production strains | A <sub>22</sub> /Iraq/64 | A /Iran/97 | A /Turkey/06<br>(A/Iran/05) | A/Zsbaikalsky/<br>2013<br>(A/Asia/SEA-97) | A/Krasnodarsky/<br>2013<br>(A/Iran/05/SIS 10) |
|--------------------|--------------------------|------------|-----------------------------|---|---|
| A/ASIA/G-VII       | N                        | N          | N                           | N   | N   |

M – vaccine strain protects from FMDV field isolate

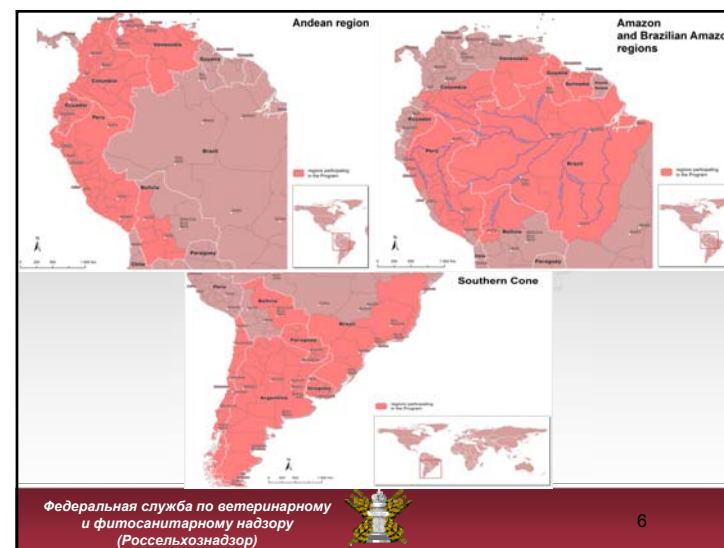
N – the vaccine strain shall be substituted as this strain does not protect from the FMDV field isolate

Results of tests for determination of antigenic relationship ( $r_1$ ), performed in the FGBI "ARRIAH", demonstrated that applied FMD vaccines containing antigens (A<sub>22</sub> IRQ; A Iran 2005; A TUR 20/06; A/Asia/SEA-97 and A/Iran/05/SIS 10) don't protect animals from FMDV type A, G-VII genetic lineage.

Федеральная служба по ветеринарному  
и фитосанитарному надзору  
(Россельхознадзор)



4



- ## Goals
- Goal – Implementing steps of the “Progressive Control Pathway for FMD” (EU FMD/OIE/FAO) in the Caucasian region :
- Implement the second step of the “Progressive Control Pathway for FMD” (“road map” EU FMD/OIE/FAO) in Georgia, Armenia and Azerbaijan;
  - Implement the first step of the “Progressive Control Pathway for FMD” (“road map” EU FMD/OIE/FAO) in Abkhazia, South Ossetia and Nagorny Karabakh;
  - Implement the third and following steps of the “Progressive Control Pathway for FMD” (“road map” EU FMD/OIE/FAO) in countries/territories involved into the Draft Programme on FMD Surveillance (hereinafter the Draft);
  - Ensure effective buffer protection from FMD introduction into/out of the region and into the EU and RF territory;
- Федеральная служба по ветеринарному и фитосанитарному надзору (Россельхознадзор)

## Objectives

1. Implementation of the pilot program to determine the local Veterinary Services' needs and readiness to prevent FMD.
2. Development of an effective/progressive FMD control (based on the risk analysis)/surveillance program in the Caucasian region
3. Coordination of FMD activities carried out by the Member States including establishment of a system of communication about the epidemic situation and the surveillance results
4. Establishment of an effective buffer zone for FMDV introduction prevention using **uniform FMD vaccine** comprising the vaccine strains most relevant for a given region
5. Introduction of a surveillance system (both active and passive), including monitoring investigations and disease outbreak investigations
6. Scientific and technical cooperation in the following areas: training of staff members (diagnosis, epidemiology, clinical diagnosis, etc.), risk assessment, epidemiology, also in regards to susceptible wild animals.



## Expected Results

- Functioning of the framework program on the Caucasian Veterinary Services coordination for FMD control.
- Implementation of the stages of the FMD Progressive Control Pathway (EU FMD/OIE/FAO)
- supporting National Veterinary Services and Diagnostic Centers in implementation of national programs on prevention of FMD and other transboundary animal diseases
- serum bank establishment and maintenance, replenishment of the collection of currently important FMD isolates;



## Expected results

- development and implementation of the training programs for all stakeholders including private and official veterinarians, technicians, farmers, heads of relevant central and local institutions, slaughterhouse managers, laboratory personnel and inspectors of border inspection posts on the following aspects:
  - foot-and-mouth disease, epidemiology, transmission routes, persistence;
  - procedure for the disease outbreak investigation;
  - sample collection, preparation and transportation;
  - principles of the disease control, quarantine, movement limitations;
  - biosecurity, cleaning and disinfection, safe disposal;
  - vaccines, vaccination and immunity.

As a result of the program implementation consistent FMD freedom of the countries is expected followed by the OIE recognition as FMD free countries where vaccination is practiced (4th and 5th PCP stages).



# Thank you for your attention!

