



GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES



Oie

Lisbon, Portugal, 20 September 2016

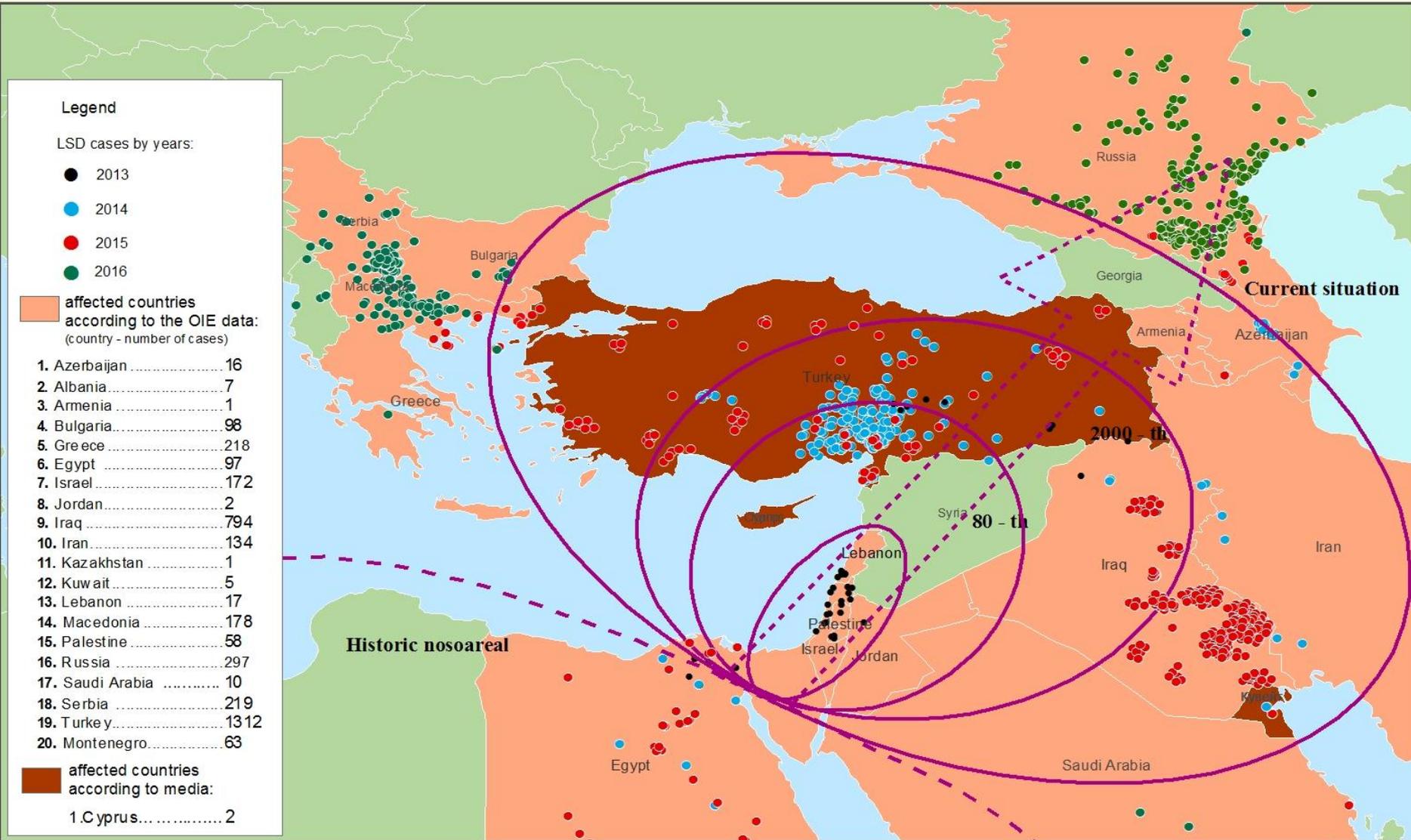
The Russian Federation LSD report
Dr Artem Metlin

Lumpy skin disease in Near Eastern and European countries

2013 - 2016



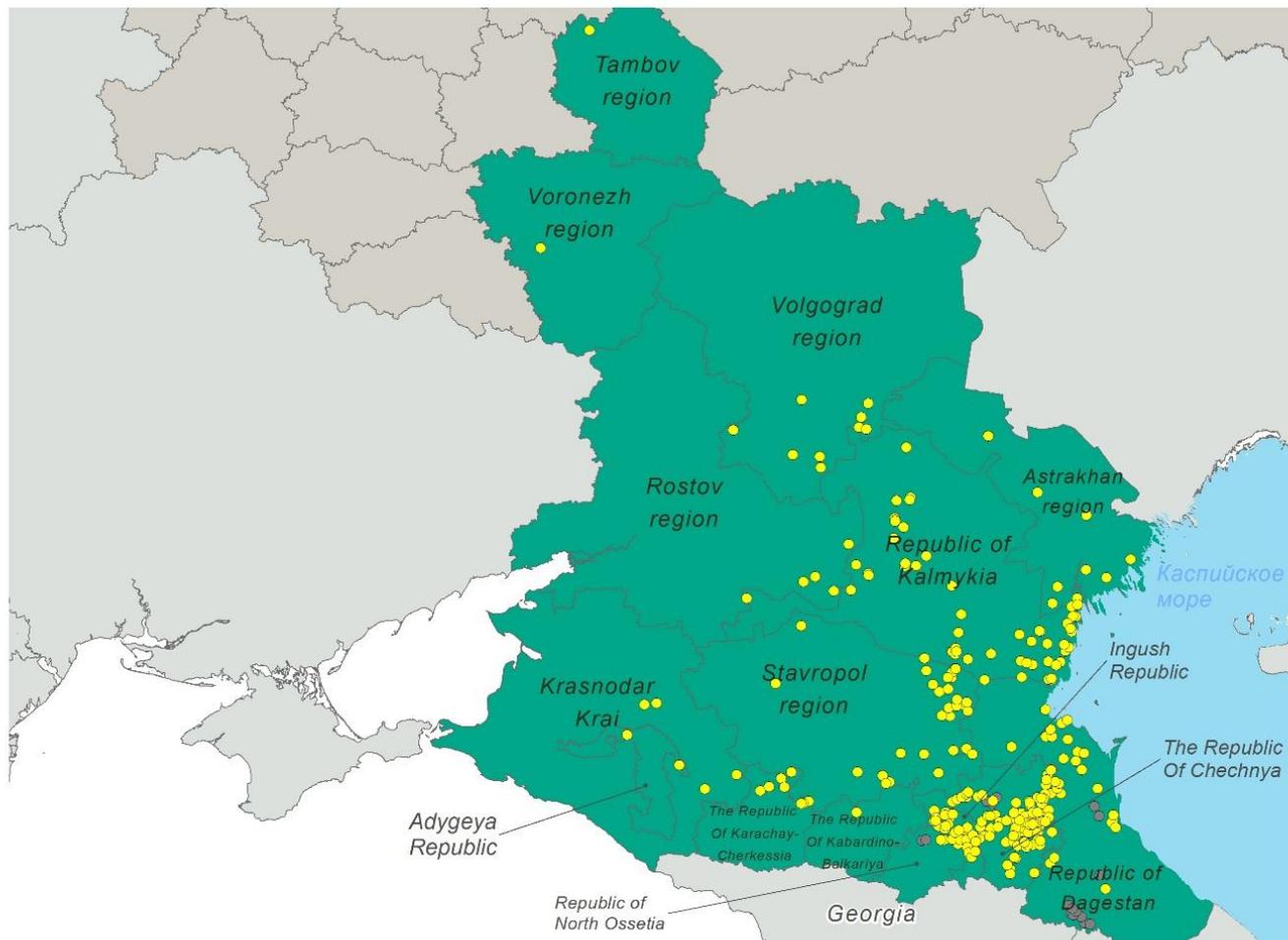
(OIE data as of 12.09.16)



LSD infected of the Russian Federation

2015 - 2016

according to the OIE on 12.09.2016



● LSD infected settlements
(according to the OIE on 12.09.2016)

- Krasnodar Krai: 5
- Republic of Dagestan: 27
- Republic of Kalmykia: 57
- Astrakhan region: 10
- The Republic Of Chechnya: 90
- Stavropol Krai: 30
- Volgograd oblast: 9
- Ingush Republic: 35.
- Rostov region: 5
- The Republic Of Karachay-Cherkessia: 8
- Adygeya Republic: 1
- Voronezh region: 1
- The Republic Of Kabardino-Balkariya: 1
- Tambov region: 1

● LSD infected settlements
(according to the OIE on 31.12.2015)

- Republic of Dagestan: 11
- The Republic Of Chechnya: 4
- Republic Of North Ossetia: 2



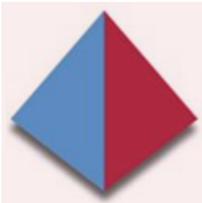
Accumulated number of the LSD outbreaks in the Russian Federation as of 09.09.2016

1. No LSD cases were reported in the Russian Federation until 2015. 07.07.2015 the LSD was detected in Russia for the first time. Epidemic situation in 2015:

- Clinical signs of LSD were detected in cattle in 11 settlements of the Republic of Dagestan;
- in 4 settlements of the Chechen Republic;
- in 2 settlements of the Republic of North Ossetia.

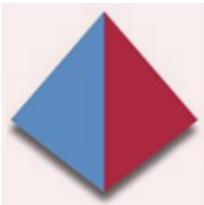
In total 297 outbreaks of LSD in 15 regions of the Russian Federation were notified to the OIE:

1. Astrakhan region – **10**;
2. Volgograd region – **9**;
3. Voronezh region – **1**;
4. The Republic of Kabardino-Balkariya – **1**;
5. The Republic of Karachay-Cherkessiya – **8**;
6. Krasnodar krai – **5**;
7. The Republic of Adygeya – **1**;
8. The Republic of Dagestan – **38**;
9. Ingush Republic – **35**;
10. The Republic of Kalmykia – **57**;
11. The Republic of North Ossetia – **2**;
12. Rostov region – **5**;
13. Stavropol Krai – **30**;
14. Tambov region – **1**;
15. The Republic of Chechnya – **94**.



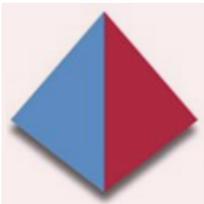
Measures for LSD in Russia

- According to quarantine requirements in case of the outbreak confirmation on a farm the cattle owners shall do the following :
 - - Stop all cattle movements and regrouping;
 - - Ban entrance of unauthorized persons to the farm excluding animal handlers and veterinarians;
 - - Stop slaughter of animals kept on the farm as well as marketing of animals, their slaughter products and feed;
 - - Ban exit and entrance of vehicles to the LSD outbreak as well as exit of personnel without decontamination.
- As soon as the first LSD cases occurred in a herd the diseased and contact animals shall be withdrawn from the herd. Such animals shall be bloodlessly killed under the due control of the official veterinarians.
- **In order to prevent the disease spread all LSD susceptible animals located in the outbreak shall be treated with repellents and insecticides. The animals are also subject to vaccination!**

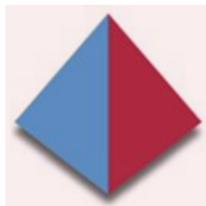


Preventive vaccination

- Heterologous live attenuated sheep or sheep and goat pox virus vaccine is used for the disease specific prophylaxis. **FGBI ARRIAH has completed a series of experiments involving cattle infection with the vaccine based on the attenuated sheep pox virus strain “ARRIAH” :**
- At OIE recommended administration dose the vaccine demonstrates relevant potency and protects cattle against challenge with virulent LSD virus strain. Currently preclinical trials of the homologous LCD vaccine are in process.
- **The vaccines in our portfolio:**
- Freeze-dried live attenuated sheep pox virus vaccine (50,100, 200 and 500 doses);
- Freeze-dried live attenuated goat pox virus vaccine (50,100, 200 and 500 doses);
- Freeze-dried live attenuated sheep and goat pox virus vaccine (50,100, 200 and 500 doses).



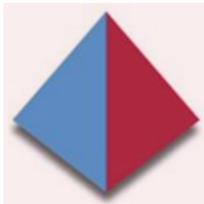
Recommendations	Measures in Russia
<p>GF-TADS for Europe (RSC6 meeting, Oct. 2015): <i>Affected countries of Europe continue their control and eradication efforts, considering the use of vaccination as a crucial element of their control strategy</i></p>	<p>Control measures are continued and the vaccination is used as a crucial element of the LSD control.</p>
<p>Joint EFSA –DG SANTE Workshop Jul, 2016 <i>The effectiveness, applicability and safety of the use of insecticides and insect repellents for LSD control.</i></p>	<p>Control of vectors, treatment of susceptible animals with repellents and insecticides.</p>



Recommendations	Measures in Russia
<p>Joint EFSA –DG SANTE Workshop Jul, 2016 (continued)</p> <p><i>Trade-related issues, such as the possibility of virus circulation in vaccinated herds, the level of protection against infection achieved by vaccination, and the LSDV transmission risk represented by vaccinated animals and products thereof .</i></p>	<p>Scientific research is conducted to study the possibility of virus transmission with none heat-treated meat products. Tests for differentiation of field viruses and vaccine strains are under development.</p>
<p>Standing Group of Experts on Lumpy skin disease (LSD) for South-East Europe Jul, 2016</p> <p>Countries provide fully transparent and timely information and fulfil their reporting obligations to the OIE(WAHIS) and if applicable the EU (ADNS)</p>	<p>All the LSD outbreaks in Russia are immediately reported to the OIE</p>
<p>Infected countries procure sufficient vaccine doses to vaccinate the entire population of susceptible animals in the affected zone(s) or the entire country, as applicable.</p>	<p>Heterologous vaccine is available and supplied for vaccination of cattle in the LSD-affected regions</p>



Recommendations	Measures in Russia
<p>Standing Group of Experts on Lumpy skin disease (LSD) for South-East Europe Jul, 2016 (continued)</p> <p><i>Efforts be enhanced to ensure early detection of and laboratory capacity for LSD in at risk countries and zones</i></p>	<p>Early clinical diagnosis with immediate laboratory confirmation. Training of veterinarians.</p>
<p>Awareness of LSD be enhanced among political decision makers, official and private veterinarians as well as farmers through appropriate communication tools</p>	<p>Agitation activities via media and press.</p>
<p>A stamping-out policy suitable for the objective of eradication (total) or disease control (modified/partial) adapted to the epidemiological situation and the situation objectives of the country be designed and applied</p>	<p>A modified stamping-out policy is applied. Only sick animals are euthanized.</p>



Recommendations	Measures in Russia
<p>Standing Group of Experts on Lumpy skin disease (LSD) for South-East Europe Jul, 2016 (continued)</p> <p>The collection of surveillance data and scientific information that may be relevant (e.g. incidence, weather conditions) be coordinated for purposes of better risk assessment and management</p>	<p>All the surveillance data and scientific information, relevant to better risk assessment and management of LSD is collected and analyzed at the FGBI “ARRIAH”</p>

LSD causes significant burden

Decrease of milk productivity ;

Life weight losses;

Abortions and stillbirths;

Damages of skin;

Infertility;

Animal death because of secondary infections;

Costs of treatment and veterinary control measures.



Thank you for attention!!!

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