



FAO activities on LSD in Europe and Central Asia

Standing Group of Experts on Lumpy Skin Disease (SGE LSD) in South-East Europe
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FAO vision for the control of TADs

- Close monitoring od the epi situation
- Regional Approach Regional response plan
- Risk assessment for at risk countries
- Information sharing: lessons learnt and best practices
- Foster cooperation of all stakeholders: farmers, traders, processors, veterinarians, etc.
- Raising awareness
- Harmonization of vaccination protocols and other preventive and control measures
- Piloting new approaches for risk mitigation and outbreak control



FAO closely follows the spread of LSD

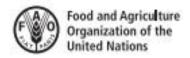


2015 - LSD in Europe

2017 - <u>Position Paper on the sustainable</u> prevention, control and elimination of LSD

2017 - Monograph on LSD in Europe

2020 (Oct) - RA on the introduction and spread of LSD in Asia, economic impact (USD 1.45 billion), and cost-effectiveness of different control strategies



Introduction and spread of lumpy skin disease in South, East and Southeast Asia

Qualitative risk assessment and management





Field manual for veterinarians on LSD

Audience: Private and official vets, paraprofessionals and lab diagnosticians

Available in English,
Chinese, Macedonian, Romanian, Serbian,
Ukrainian, Albanian, Turkish and Russian

Distributed in the region through paper and electronic copies

 Armenia, Azerbaijan, Belarus, Kazakhstan, Moldova, Uzbekistan Ukraine and Turkmenistan (125 copies each)



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FAO ANIMAL PRODUCTION AND HEALTH







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LUMPY SKIN DISEASE

A field manual for veterinarians



LSD GEMP (Good Emergency Management Practice)

Set of guidance documents:

- Template for LSD Contingency Plan
- LSD Emergency Vaccination Plan
- LSD Surveillance and Early Detection Guide
- Risk assessment questions
- Prevention measures

All to be compiled into a **Manual**, following the <u>GEMP</u> structure and principles, including also:

- Risk assessment for LSD
- Template for LSD desktop simulation exercises
- Several references to relevant and recent FAO manuals

Good Emergency Management Practice: Lumpy Skin Disease Contents

Foreword Acknowledgements Acronyms

Objective and scope of the GEMP-LSD Guide

- 1. Actions in peacetime in case of LSD
 - 1.1. Prepare in peacetime
 - 1.1.1. Pla
 - 1.1.1. General procedures in case of an emergency
 - 1.1.1.2. Legislative framework and funding
 - 1.1.1.3. Governance and Chain of Command
 - 1.1.1.4. Risk Analysis
 - 1.1.1.5. Emergency Response Plan
 - 1.1.1.6. Control approaches for Lumpy skin disease 1.1.1.7. Emergency Vaccination Plan
 - 1.1.1.7. Emergency Vaccination Plan 1.1.1.8. Laboratory Contingency Plan
 - 1.1.1.9. Information and reporting systems
 - 1.1.1.10. Communication and Community engagement
 - 1.1.2. Equip
 - 1.1.3. Train
 - 1.1.4. Test
 - 1.2. Prevent in peacetime
 - 1.3. Detect in peacetime
- 2. Actions in alert phase in case of LSD
 - 2.1. Prepare in alert phase
 - 2.2. Prevent in alert phase
 - 2.3. Detect in alert phase
 - 2.4. Respond in alert phase
- Actions in emergency phase in case of LSD
 - 3.1. Prevent in emergency phase
 - 3.2. Detect in emergency phase
 - 3.3. Respond in emergency phase
 - 3.4. Recover in emergency phase
- 4. Actions in reconstruction phase in case of LSD
 - 4.1. Prepare in reconstruction phase
 - 4.2. Prevent in reconstruction phase
 - 4.3. Detect in reconstruction phase
 - 4.4. Recover in reconstruction phase



Awareness materials

- <u>2-min video</u>
 - Available in Albanian, Macedonian, Mongolian, English, Romanian, Russian and Ukrainian.

- Repository of Leaflets and posters:
 - Editable
 - Available in Arabic, Bosnian, Bulgarian, English, Mongolian, Romanian, Russian, Ukrainian and Vietnamese

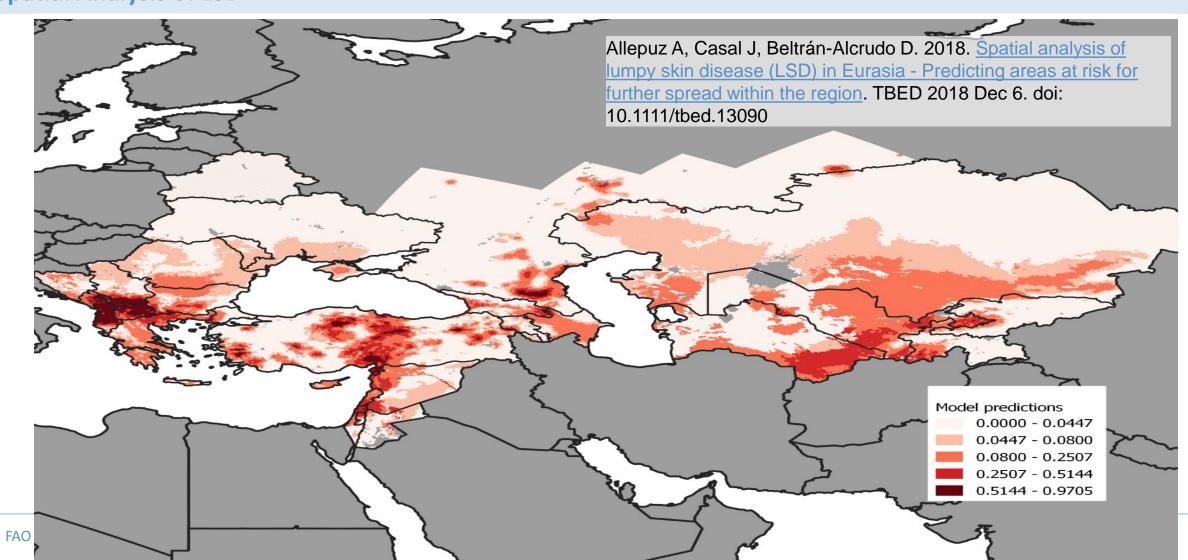


#zeroнunger #+AO Boala limbii albastre și Dermatoza nodulară contagioasă – conștientizare și prevenire





Spatial Analysis of LSD

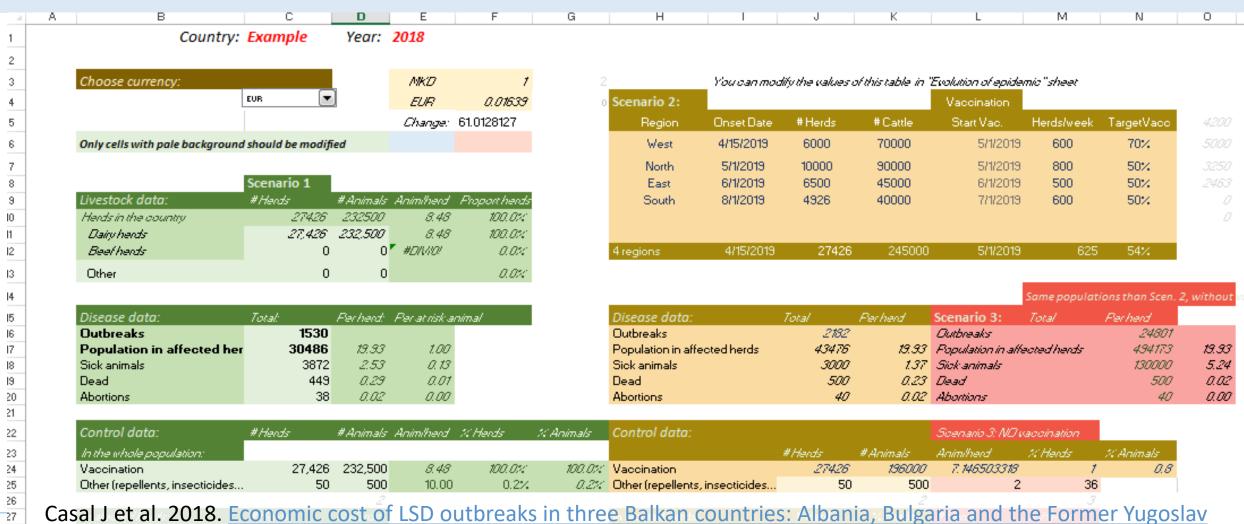




Cost assessment tool for LSD

Republic of Macedonia (2016-2017). TED 2018;00:1-9.

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Online course on LSD preparedness (1)

Characteristics:

- 4-week tutored course (10 hours)
- Developed by FLI and FAO (REU and EuFMD)
- Delivered through EuFMD online training platform
- Format: Webinars, discussion forum, exercises, final test
- Certification process
- Audience: Vets (public & private) involved in diagnosis, outbreak investigation, LSD management, or those working with cattle
- Up to 400 participants/course
- GF-TADs-labelled

MODULES

General overview on LSD (Module 1)

Clinical diagnosis (Module 2)

Laboratory diagnosis (Module 3)

Epidemiology and outbreak investigation (Module 4)

Monitoring and surveillance (Module 5)

Control and eradication (Module 6)



Online course on LSD preparedness (2): Courses so far

Europe and Asia (July 2020): 298 participants / 44 countries

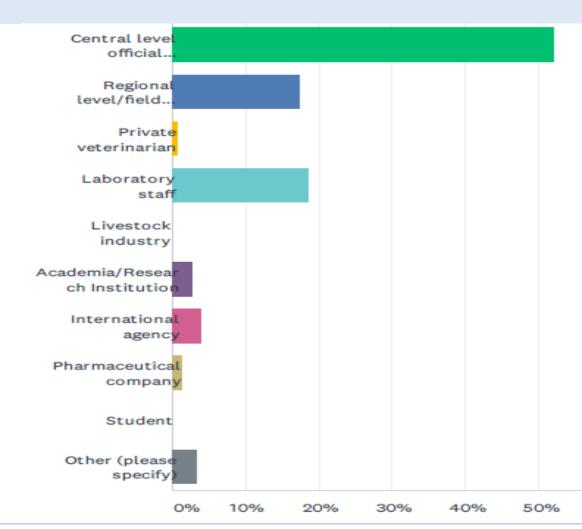
Adaptations and improvements based on feedback

Adaptations to other regions:

Ex-USSR (Russian; October 2020) – 400 participants/16 countries?

Asia-Pacific Region (English; January 2021)

Southern Africa Regions (English; January 2021)





Online course on LSD preparedness (3) – Upcoming activities

- Conversion back to standardized faceto-face training materials
- Development of a stand alone intro course / taster
- Assessment of course feedback and follow-up



Emergency TCP for LSD preparedness in Central Asia

Main activities:

- Assessment missions (vet services, lab capacity, legal/reg. framework)
- Risk assessment, Cost-benefit assessment
- Capacity building:
 - Training workshops: epi, vaccination, lab diagnosis, stamping out
 - ToT (cascade) of field vets
 - Farmer field school events
 - Incorporate LSD in academic curricula
- Awareness strategy and materials
- SimEx
- Regional coordination



- **Budget:** 500,000 USD
- Target countries: Kyrgyzstan, Tajikistan and Uzbekistan
- Duration: January 2021-January 2021

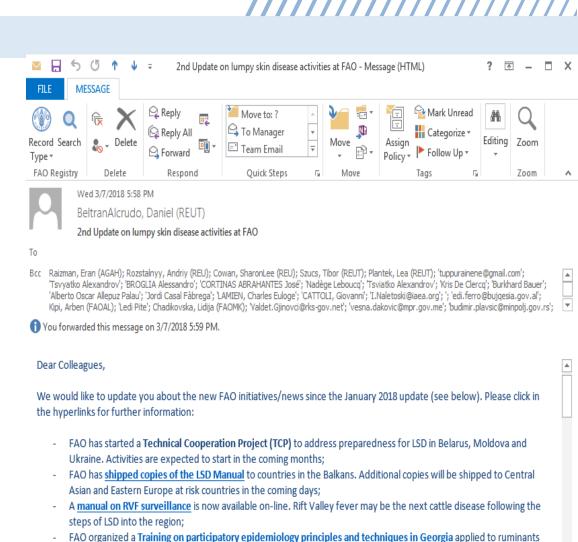
(In close coordination with OIE)



Mailing list on FAO activities on specific diseases

ASF (18 updates) LSD (11 updates)

To be added, please email me at daniel.beltranalcrudo@fao.org



between September and December 2018, and developed a ruminant surveillance system, which integrates

participatory disease surveillance and current on-going surveillance activities.

Within the Joint FAO/IAFA program the following estivities have been conducted



Thanks for your attention