



Food and Agriculture Organization
of the United Nations



Action plan and timeline (TCP/RER/3605)

Strengthening the regional preparedness, prevention and response
against lumpy skin disease in Belarus, Moldova and Ukraine

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Inception workshop of TCP/RER/3605 - Kiev, Ukraine, 29-30 May



Food and Agriculture Organization
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Output 1

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**Enhanced legal, regulatory preparedness framework
for LSD developed at national level.**

As a result, countries will have **LSD national
contingency plans** and a **vaccination strategy** that
will be validated through **simulation exercises**.
Similarly, some of the weaknesses identified will be
resolved through outputs 1-5.

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Activities under Output 1

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1. **Strengths and weaknesses of the national veterinary and diagnostic services are assessed**, i.e. from capacities, to organigram, competences and functions. Within this task, existing legal powers and strategy documents are assessed, improved and developed as needed (in line with international standards), such as contingency and national control plans, etc.
2. **Simulation exercises on LSD** are organized to ensure appropriate emergency preparedness. A series of desktop simulation exercises involving all relevant government agencies are organised to test the different components of the contingency plan in realistic outbreak scenarios (one per country).
3. **Workshop for the development of effective and feasible vaccination strategy and plan**. This includes a half-day training and advice on how to perform:
 - The selection of the right vaccine product;
 - The evaluation, recording and reporting side reactions after vaccination;
 - Writing technical specifications for vaccine procurement and conducting tenders;
 - Specifications on quality assurance control of vaccines (potency, purity, safety, immunity, etc.)
 - Cold storage and delivery of large numbers of vaccines in face of an outbreak

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Output 1 – Action plan and timeline

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STEP 1:

- Development of a **Template for LSD contingency plan** - 1st draft ready and online at http://www.fao.org/fileadmin/user_upload/rev/europe/documents/LSD_template.pdf; Peer-reviewed and translated into Russian by **30 June**
- Development of a **Guide for the development of a vaccination plan** – (finalized, peer-reviewed and translated by **15 July**)
- Development of an **Early detection checklist for LSD** - (finalized, peer-reviewed and translated by **30 July**)

STEP 2:

- Three documents shared with vet services for the development of contingency plan, vaccination plan and early detection strategy – by **31 August**

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Output 1 – Action plan and timeline

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STEP 3:

- Missions to conduct activities 1.1 and 1.3 – **3 countries visited by 31 October:**
 - Assess strengths and weaknesses of the national veterinary and diagnostic services, i.e. from capacities, to organigram, competences and functions.
 - Assess contingency plan
 - Assess early detection strategy
 - Assess vaccination plan.
 - Conduct half-day training on vaccine-related issues, i.e. how to perform:
 - The selection of the right vaccine product;
 - The evaluation, recording and reporting side reactions after vaccination;
 - Writing technical specifications for vaccine procurement and conducting tenders;
 - Specifications on quality assurance control of vaccines (potency, purity, safety, immunity, etc.)
 - Cold storage and delivery of large numbers of vaccines in face of an outbreak.

STEP 4

- In-country 2.5-day desktop simulation exercise to test contingency plan, vaccination plan and early detection strategy (Activity 1.2) - **3 countries visited by 31 December**
 - e.g. 3 scenarios: LSD outbreak in neighbouring country, LSD outbreak within the country by the border; LSD outbreak in the middle of the country

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Output 3

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Veterinary service personnel trained on risk management and communication for eventual outbreaks.

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Output 3 - Activities

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- **3.1. Risk on entry, spread and establishment of LSD is assessed.** This will be done through country-level training workshops on risk assessment with relevant stakeholders (i.e. government officials, private veterinarians, farmers/farmer associations and middlemen).
- **3.2. A cost-benefit analysis** on different LSD outbreak control options is performed, including feasibility of different or non-stamping-out policies, vaccination strategies, disposal of culled animals, compensation options, disease surveillance, etc.
- **3.3. Consultations with the veterinary services to develop a risk-based serosurveillance strategy** document based on Activity 3.1
- **3.4. Training provided on effective risk communication** (to media, general public, retailers, farmers, etc.).

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Output 3 – Action plan and timeline

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- **3.1. Risk on entry, spread and establishment of LSD is assessed**
- **3.3. Develop a risk-based serosurveillance strategy (based on Activity 3.1)**
- **3.4. Training on risk communication (to media, general public, retailers, farmers)**

STEPS

- Overviews/intros on risk assessment and risk communication – **by 29 May**
- Report on the LSD risk to Eastern Europe and Central Asia based on a recently submitted methodology paper (model) - **by 31 July**
- On-line risk assessment course by EuFMD in Russian
 - Adaptation of FMD course into vector-borne diseases – **by 30 October**
 - Designated participants to run the 3-week course – **Oct-Nov**
- Countries to conduct LSD risk assessments based on the workshop and with UAB guidance – **by 28 Feb 2019**
- Adapt surveillance strategy for early detection based on risk – **30 April**
- Results of the three countries published – **by 31 May 2019**
- Risk communication seminar conducted in-country during the first country mission (Activity 1.1.) – **by 15 October 2018**

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Output 3 – Action plan and timeline

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Activity 3.2. Cost-benefit analysis on different LSD outbreak control options is performed based on work conducted in the Balkans

STEPS

- Half-day training on the methodology and the data needed (by UAB)- **on 30 May**
- Guidelines/Manual & Excel developed on how to conduct cost-benefit analyses – **by 30 June**
- Vet services to compile data and perform the cost-benefit guided by UAB – **by 31 August**
- Cost-benefit analyses validated during in-country missions by UAB – **by 31 December**
- Results of the three countries published – **by 31 March 2019**

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Outputs 2

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National veterinary service personnel trained in LSD detection, prevention and control

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Activities under Output 2

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2.1. Laboratory training activities are organized at national level

- Performance of diagnostic methods for LSD antigen and antibody detection.
 - National Reference Laboratories must have necessary PCR and ELISA equipment
 - National Reference Laboratories will be supplied with diagnostic reagents and kits
 - Participation in inter-laboratory proficiency trials
- Writing technical specifications, conducting tenders for the procurement diagnostic reagents and kits;
- Good Laboratory Practices (GLP)

STEPS

- In coordination with IAEA, who will run trainings on vector-borne diseases at Seibersdorf (Austria)
- In-country trainings to be determined conducted by experts (in Russian)

Activities under Output 2

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2.2. Epidemiology training activities. One 1-day training workshops in each country to increase skills and educate epidemiologists from veterinary services.

- Experts will cover LSD epidemiology, surveillance, disease recognition, outbreak investigation, sampling and shipping, control operations, etc.
- Veterinary services will present:
 - 1) National legislation on emergency actions and vaccination against LSD;
 - 2) Risk analysis performed related to LSD;
 - 3) Existing prevention and control gaps, and the actions/activities needed to stop LSD spread

STEPS

- The workshop will take place during the 1st country mission (Activities 1.1 & 1.2), just before to serve as a discussion forum – **by 30 October**

Activities under Output 2

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2.3. Train-of-trainer program for field veterinarians

- LSD recognition; Farm & personal biosecurity; Outbreak investigation; Sample collection & submission; Vaccination; etc.
- The following format (in each country):
 - one 1.5-day training of 10 core trainers from at-risk regions/Oblasts
 - replicate 1-day trainings (lead by core trainers) in at-risk regions (20 people each)

STEPS

- Core training in Ukraine – 10 Ukrainian fields vets, plus NPCs and national consultants – **31 May-1 June**
- Ukraine: 10-15 replicate trainings. Logistics by Kharkiv Institute – **June**
- Belarus:
 - Core training to be conducted by National Consultant and NPC – **Dates t.b.d.**
 - Replicate trainings. Logistics by Veterinary Faculty – **Dates, location t.b.d.**
- Moldova:
 - Core training to be conducted by National Consultant and NPC – **Dates t.b.d.**
 - Replicate trainings. Logistics t.b.d. – **Dates, location t.b.d.**

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Activities under Output 2



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2.4. Activities on vectors: Development of vector control guidelines (for vet services) and SOPs

STEPS

- Develop a manual on vector management options for the main vector groups
- Develop SOPs for vector management
- Produce leaflets on vector control for farmers, e.g. application of insecticides and repellents, removal of vector breeding sites, etc.
- Report on preliminary results from the Serbian pilot on insecticide-impregnated nets in dairy farms

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Output 4

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LSD awareness among all stakeholder levels created

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Activity 4.1 & 4.2

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4.1. Developing an awareness strategy document that is targeting the most relevant stakeholders (private and public vets, academia/vet students, farmers, butchers, middlemen, slaughterhouse, etc.), including communication methods (newspapers, flyers, posters, TV, radio, social media) and the frequency of dissemination.

4.2. Developing and adapting awareness and technical materials to meet different stakeholder needs and also translated to local languages and disseminated.
Awareness materials (e.g. leaflets, posters, infographics, presentation, papers and social media) developed. LSD Field Manual and other documents translated and printed.

STEPS

- LSD Manual in Russian already distributed – Romanian & Ukrainian next month
- Overall strategy decided at the inception workshop – **30 May**
- FAO to develop templates for posters, leaflets and videos and shared with countries for their adaptation/translation – **15 July**
- Awareness plan defined by national authorities – **June-Sept**
- Awareness strategy assessed during the 1st country mission (Activities 1.1 & 1.2) - **by 15 October**
- Dissemination strategy implemented in the field – **Prior Spring 2019**

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Activity 4.3

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Organizing stakeholder workshops and distributing awareness raising materials to participants. Stakeholder workshops organized to engage stakeholders in the dissemination of the awareness materials and attaining feedback. The workshop will aid in the transfer responsibility and ownership to local communities after the life of the project ends. Gender balance will be considered. National NGOs and farmer associations will be engaged to facilitate dissemination of the awareness materials.

STEPS

- Define key NGOs that represent stakeholder groups – **30 May**
- Identify existing events where LSD sessions could be added – **30 June**
- Get the logistics arranged (through national LoAs) – Prior the end of the project

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Activity 4.4.

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4.4. Training farmer and animal care personnel through a train-of-trainers (TOT) approach on early recognition of LSD infected animals, prevention (e.g. biosecurity and vector control) and reporting. Training materials will be developed.

Suggested format:

- To be conducted back-to-back with existing events that farmers attend

STEPS

- Define key NGOs with access to farmers – **30 May**
- Identify existing events where farmers already meet – **30 June**
- Get the logistics arranged (through national LoAs) – Prior the end of the project

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Activity 4.5.

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4.5. Develop and incorporate LSD & epidemiology materials into curricula of veterinary faculties.

- Lessons (including presentations) describing LSD epidemiology, clinical signs, diagnostics, vaccination, etc. developed in order to be incorporated into curricula of veterinary faculties for students and post-graduated professionals.
- Assess the epidemiology and veterinary public health program at the vet schools of the three countries and advice on how to develop a program, providing basic materials and texts.

STEPS

- Identify vet schools in each country – **30 May**
- Assess the existing curricula (UAB) – **prior to in-country missions**
- Advice on how to develop a program, providing basic materials and texts during in-country missions by UAB – **by 31 October**



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Thanks for your attention!