Update
Lumpy skin disease in the EU

DG SANTE Advisory Group on the Food Chain, Animal and Plant Health
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LSD, the disease

- **Causative agent**: Capripoxvirus
- **Affects**: cattle-buffaloes (some exotic wildlife too?)
- **Transmitted mostly by**: blood feeding insects (other direct–indirect routes possible but less common)
- **Signs include**: fever, skin nodules
- **Mortality**: not very high but may cause serious economic losses (drops in production) especially when introduced into naive population.
- **Control measures**: mass vaccination + stamping out + zoning
Lumpy Skin Disease, 2005 - 2013

Source: EFSA Journal 2015;13(1):3986, EFSA opinion on LSD, Jan 2015, info from OIE

No of years of presence of LSD (2005-2013)

<table>
<thead>
<tr>
<th>Years</th>
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<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
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<tr>
<td>4</td>
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<tr>
<td>5</td>
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<tr>
<td>6</td>
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<tr>
<td>7</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>9</td>
</tr>
<tr>
<td>Not reported</td>
</tr>
</tbody>
</table>

Legend:
- Light pink: 1 year
- Pink: 2 years
- Medium pink: 3 years
- Dark pink: 4 years
- Red: 5-9 years
Recent spread of LSD*

**OIE Data as at 12.9.2016**

Legend

- LSD cases by years:
  - 2013
  - 2014
  - 2015
  - 2016

- Affected countries according to the OIE data

* OIE Data as at 12.9.2016
Info presented at the SGE LSD2 (21 Sep 2016, Lisbon, Portugal) - GF TADs
LSD in the EU
LSD situation in 2013 - 2015

Disease spread

May 2015 (Reported in June)

Nov –Dec 2014, in the areas not under the effective control of the Government of the Republic of Cyprus
LSD in the EU:

Greece (Aug-Dec 2015) 117 outbreaks

- LSD restricted/vaccinated area

Bulgaria

FYROM

Greece

Turkey

- South Evros (Aug 2015) 1st Occurrence of LSD in Greece
- Northern Evros (Mid Sept. 2015)
- Rodopi (Mid Oct. 2015)
- Xanthi (Late Sept. 2015)

FYROM

- Kavala (Early Oct. 2015)

Greece

- Thessaloniki (Nov. 2015)
- Chalkidiki (Mid Oct. 2015)
- Limnos (Early Oct. 2015)
- Rodopi (Mid Oct. 2015)
- Laskarida (Mid Oct. 2015)
- Kavala (Early Oct. 2015)
- Chalkidiki (Mid Oct. 2015)
- Limnos (Early Oct. 2015)
LSD in the EU: January - early November 2016 (ADNS + country reports)

- **Greece**: 102 (last on 9/11/2016)
- **Bulgaria**: 217 (last on 1/8/2016)
- **FYROM**: 1,591 (Sep report)
- **Serbia**: 221 (last on 3/09/2016)
- **Kosovo***: 76 (Aug report)
- **Montenegro**: > 400
- **Albania**: ~ 2,000 (Oct report)

(* This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence).
LSD  Situation as at November 2016

➢ Further spread of LSD to the north or west seems to be halted for this year (vaccination + winter)

➢ No new LSD outbreaks reported in those affected countries where full vaccination coverage has been achieved

➢ Disease spread reported from countries with low vaccine coverage (e.g. Albania), also sporadic cases reported from the former Yugoslav Republic of Macedonia and isolated cases in non-vaccinated animals (e.g. Greece)

➢ All affected countries where vaccination is still in progress put their efforts to complete their vaccination campaign as soon as possible and achieve high vaccine coverage.
LSD in the EU

LSD vaccination – Situation as at mid Nov 2016

Vaccination completed in:
- Bulgaria
- Greece (Northern part)
- Serbia
- FYROM
- Montenegro
- Kosovo
- Croatia

Vaccination in progress in
- Albania
- Southern part of continental Greece

LSD outbreaks as at 1 Jan - 14 Nov 2016 (ADNS)
Policy

- LSD is a **regional problem** requiring international cooperation & coordination;
- We need to be prepared for a **long and persistent fight** against the disease;
- **Mass vaccination** coupled with **stamping out** is the most effective control measure (EFSA urgent advice on LSD);
- Each country, should **enhance preparedness and ensure efficient & timely procurement of sufficient vaccine doses** for the implementation of vaccination programmes;
- We need to establish **special rules for LSD-free countries that implement vaccination as a precautionary measure**;
- **Further research** in needed on LSD (vectors, animal-to-animal transmission, DIVA vaccines etc).
Recent Activities

- **Ministerial Conference on Lumpy Skin Disease** (8-9 Sep 2016, Sofia-Bulgaria)

- PAFF Committee, **new EU rules on LSD** to replace the ones in place now (13-14 Sep 2016, Brussels)

- Appointment of **EU Reference Laboratory** for Diseases caused by Capripox viruses – LSD (Sep 2016)

- **Submission of vaccination programmes** by EU Member States (either affected or not by LSD) for Commission assessment-approval.

- **Two Commission Decisions voted** in September and **adopted on 15 November** by the PAFF Committee.
Two Decisions adopted 15 November (1)

COMMISSION IMPLEMENTING DECISION (EU) 2016/2008

of 15 November 2016

concerning animal health control measures relating to lumpy skin disease in certain Member States

(notified under document C(2016) 7023)

COMMISSION IMPLEMENTING DECISION (EU) 2016/2009

of 15 November 2016

approving the vaccination programmes against lumpy skin disease submitted by the Member States

(notified under document C(2016) 7219)
(2) The two Decisions introduce:

- **Uniform measures** for LSD across the EU

- **Simplification**, no country specific decisions
  - More simplified rules for vaccination (Annex II)

- Lifting – refining of measures related to **safe / low risk products**
  - **meat**: soon to be classified as a safe commodity in the new OIE chapter for LSD
  - **milk**: pasteurisation required only when destined for animal feed

- Establishment of **specific rules for non-infected countries/zones** implementing **vaccination as a precautionary measure**.

- **Transit rules** (disinfection and treatment of vehicles with disinfectant/insecticides, vector protection measures for animals)
LSD zoning (new LSD Decisions voted in PAFF 13-14 Sep 2016)

**Free zones with Vaccination (Part I):**
- Croatia
- Bulgaria (certain areas in the North and East part)

**Infected zones (Part II):**
- Continental Greece (including the island of Limnos)
- Bulgaria (excluding the "free with vaccination" zones)

- Free with Vaccination zone
- Infected zone
- LSD outbreaks 2015 - 2016 (ADNS)
## EU Vaccine Bank for Lumpy Skin Disease

**Created on April 2016 to support the initial stages of an LSD vaccination campaign**

<table>
<thead>
<tr>
<th>Country</th>
<th>Number of doses granted</th>
<th>Delivery date</th>
</tr>
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<tbody>
<tr>
<td>Bulgaria</td>
<td>150,000</td>
<td>April 2016</td>
</tr>
<tr>
<td>Greece</td>
<td>100,000</td>
<td>April &amp; July 2016</td>
</tr>
<tr>
<td>the former Yugoslav Republic of Macedonia</td>
<td>50,000</td>
<td>May 2016</td>
</tr>
<tr>
<td>Serbia</td>
<td>50,000</td>
<td>June 2016</td>
</tr>
<tr>
<td>Kosovo*</td>
<td>25,000</td>
<td>July 2016</td>
</tr>
<tr>
<td>Albania</td>
<td>25,000</td>
<td>July 2016</td>
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<tr>
<td>Montenegro</td>
<td>25,000</td>
<td>July 2016</td>
</tr>
<tr>
<td>Croatia</td>
<td>50,000</td>
<td>Sep 2016</td>
</tr>
</tbody>
</table>

**475,000 doses of LSD vaccine already granted to various countries**
LSD future activities - priorities

- **LSD vaccine bank:**
  Procedures for expansion – replenishment in progress

- **GF TADs:** 3rd meeting of the Standing Group of Experts on Lumpy skin disease for South-East Europe - SGE LSD3
  (12 and 13 December 2016, Istanbul / Turkey)

- **EFSA:** request submitted by DG SANTE for updated epidemiological analysis of the LSD data (MS affected ± at risk & third countries)
  (2 reports expected, Jan 2017 and Jan 2018)
THANK YOU !!!!