



GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES



**Standing Group of Experts on Lumpy Skin Disease
in Europe**
under the GF-TADs umbrella

Greece

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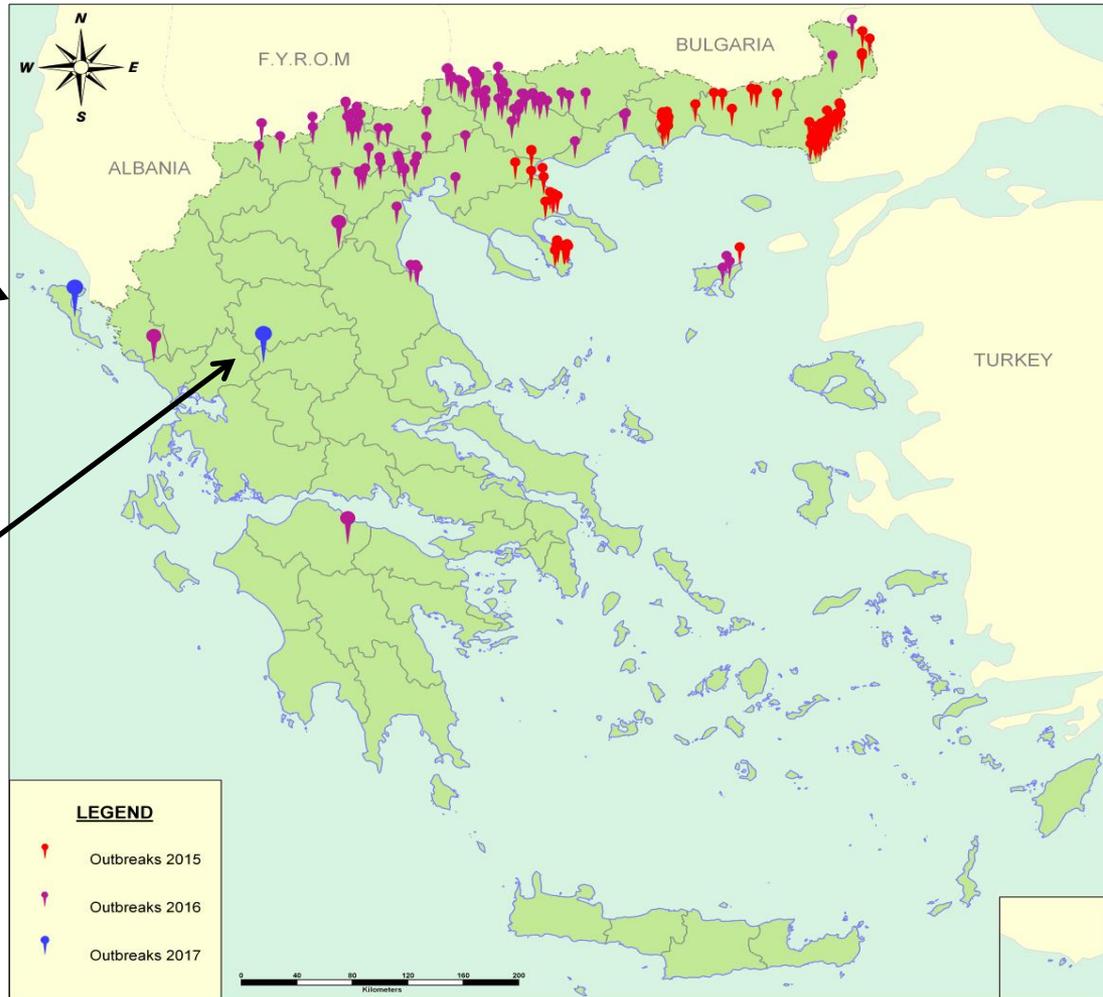
**Fifth meeting (SGE LSD5)
Budva, Montenegro, 19-20 October 2017**

LSD epidemiology – evolution since the SG4

January – October 2017 : 2 outbreaks

**Kerkira (Corfu) Island
02/03/2017**

**Karditsa Regional Unit
11/08/2017**



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LSD epidemiology – evolution since the SG4

January – October 2017 : 2 outbreaks

Kerkira (Corfu) Island

Date of confirmation 02/03/2017

Date of depopulation 26/03/2017

Dairy herd of 28 animals

Unvaccinated herd

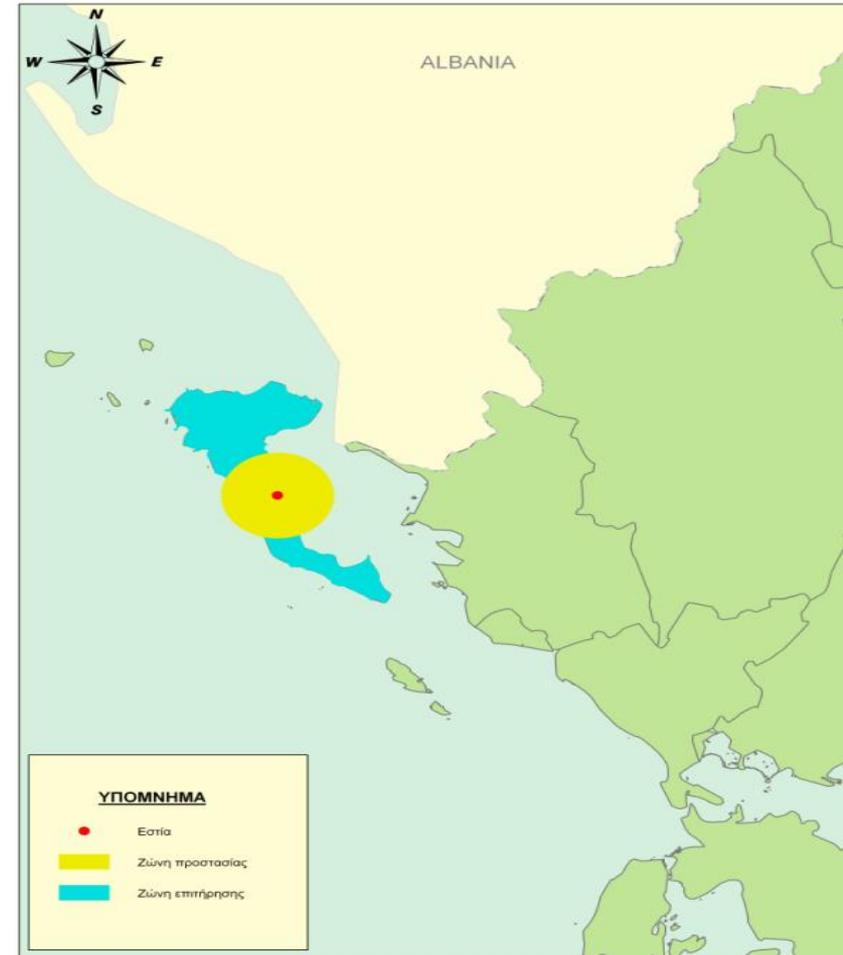
Morbidity within the herd 42%

Mortality within the herd 10%

Protection zone: 10 km radius

Surveillance zone: the total island

Vaccination started on 25/02/2017



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LSD epidemiology – evolution since the SG4

January – October 2017 : 2 outbreaks

Karditsa Regional Unit

Vaccination coverage appr. 100% at the time of confirmation

Date of confirmation 11/08/2017

Dates of depopulation 17 & 22/08/2017

Beef herd of 206 animals

Free grazing on the mountain

Indigenous breed with horns

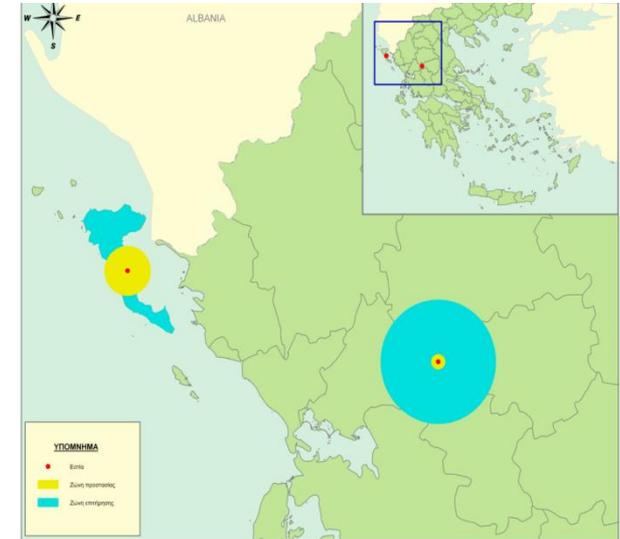
Vaccinated herd (23/12/2016 & 19/05/2017)

Morbidity in the herd 7,2%

Mortality in the herd 1,4 %

Protection zone: 3 km radius

Surveillance zone: 25 Km radius



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Control measures applied in case of outbreaks

Legal Framework for measures and actions

European Law: Directive 92/119

National Law : Presidential Decree: 138/1995

National Contingency Plan : Ministerial Decision 258933/18-8-2008

Measures according to Dir. 92/119

- Total Stamping out
- Zoning: protection at least 3km
surveillance at least 25km
- Cleansing and Disinfection
- Vaccination extended also to the islands in 2017

Measures according to Nat. Cont. Plan

Extends measures outside zones to the rest
Regional Unit as long as zones existing:

- Prohibition of animal movements and trade activities
- Permission of direct slaughter to the slaughterhouses within the RU but outside the zones

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Control measures and activities applied in total Greek territory

➤ **Official Certification** by the Local Veterinary Authorities for bovine animals movements **within the Country**, presupposes clinical examination.

- **Clinical surveillance for LSD** in the framework of veterinary activities:
- Control and Eradication programs (Brucellosis, Enzootic Leucosis, Tuberculosis) mainly carried out by official vets:
 - in 2016 approx. 78.000 bovines
 - Slaughterhouses: Ante mortem and post mortem inspection carried out by official veterinarians
 - in 2016 approx. 89.000 bovine animals from Greek herds
 - LSD vaccination , 66% carried out by official vets:
 - in 2016 approx 590.000 bovines vaccinated

➤ **Simulation Exercise** (17 July 2017) at **National level** on horizontal activities of the CPs: **Mapping, Zoning, Outbreak Notification, Animal traceability**

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Vaccination Coverage in Greece

Greece uses directly data extracted from **2 National Data Bases**: the database on **Bovine Population (calves included)** and the database on **LSD Vaccination**.

- a) **Database on Bovine Population**: The number of animals registered is higher than the existing .
- b) **Database on Vaccination** : The number of vaccinations registered is less than the real vaccinated animals due to the delay on registration of vaccination.
- c) Total Bovine population includes also, **calves younger than 4 months** and **younger than 6 months** coming from vaccinated cattle which are not vaccinated and they are not included in the number of vaccinated animals. Estimated **4%** and **6,5%** of the total bovine population respectively.



Vaccination coverage is underestimated

Vaccination Coverage in Greece (Octob. 2017)

Based on data extracted directly from databases :

- the current population in Greece, in mainland (without the islands) is **675. 311 bovines** (calves included)
- **73%** of these animals have been vaccinated within the last 12 months and **remain with in the immunity period.**
- **4%** and **6,5%** of the total bovine population are the unvaccinated calves **younger than 4 months** or **younger than 6 months** respectively **born from vaccinated cattle**

$$\text{Coverage} = 73\% + 4\% \text{ or } 6,5\% \text{ (unvaccinated calves from vaccinated cattle)}$$
$$=$$
$$\mathbf{77\% \text{ to } 79,5\%}$$



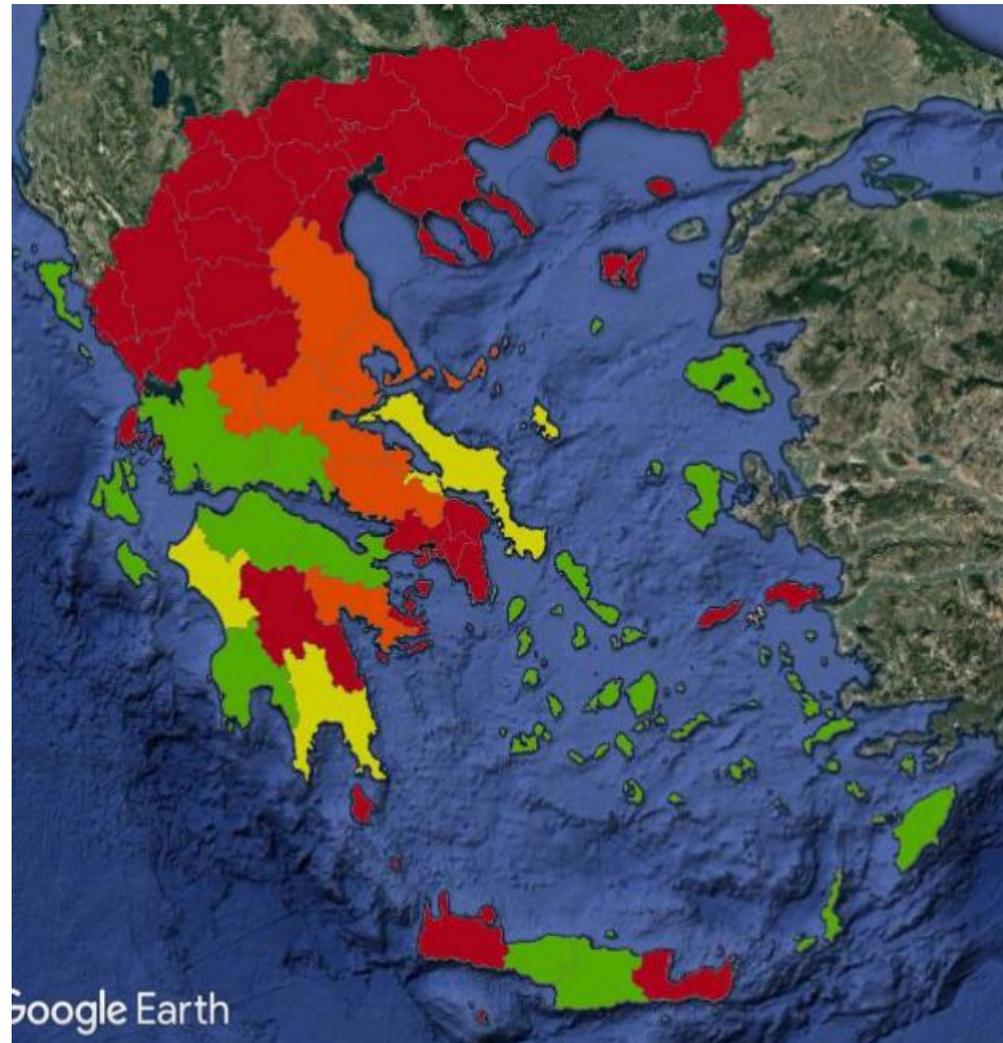
Vaccination Coverage in Greece (Oct. 2017)

Red Area > 90% , represents :
57 % of Regional Units
64 % of Bovine Population

Orange Area 80-89% , represents :
11 % of Regional Units
16 % of Bovine Population

Yellow Area 70-79% , represents:
6% of Regional Units
3% of Bovine Population

Green Area 50- 69% , represents:
26 % of Regional Units
17 % of Bovine Population



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Vaccination Campaign (Octob. 2017)

Vaccination Campaign	Regional Units	Bovine Population
3 rd in progress	17%	33 %
2 nd completed or in progress	33%	44%
1 st completed	22%	5 %
1 st Initial in progress	28%	18%



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Vaccination plan for 2018

- Vaccination will be continued during 2018 in total Greek Territory including islands
- Central procurement of the total amount of the vaccines needed, by the Ministry of Rural Development and Food
- Preparation for the procurements for the 2018 :
 - the beginning of 2018 will be covered by the vaccines delivered by the end of October 2017
 - **105.000 doses** will be delivered in March 2018 (the process has been completed within 2017)
 - **700.000 doses** the procurement will take place through an **international competition** starting at the beginning of 2018 estimated time for delivery May 2018.

- **Vaccines from EU BANK may be needed :**
 - **at the beginning of 2018**
 - **May –June 2018 in case of delay of the International Competition**

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HELLENIC REPUBLIC
MINISTRY OF RURAL DEVELOPMENT AND FOOD
DIRECTORATE GENERAL OF SUSTAINABLE ANIMAL PRODUCTION &
VETERINARY MEDICINE
ANIMAL HEALTH DIRECTORATE
DEPARTMENT OF INFECTIOUS AND PARASITIC DISEASES

Thank you for your attention

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