

GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES



OIE

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

Third meeting (LSD3)
Istanbul, Turkey, 12-13 December 2016

GREECE Report

Dr Chrysoula Dile & Dr Sotiria-Eleni Antoniou

1st wave of LSD (20 Aug - 15 Dec 2015)



1/10/2015 RU Kavala
≈ 42 post 1st outbreak
≈ 120 km distance

16/9/2015 RU Evros
27 post 1st outbreak
≈ 40 km distance

14/10/2015 RU Chalkidiki
≈ 1,5 month post 1st Outbreak
≈ 210 km distance

20/8/2015 RU Evros
For 27 days post 1st outbreak
≈ 25 km max distance

7/10/2015 Limnos Island
≈ 49 post 1st outbreak
≈ 120 km distance

2nd wave of LSD (Apr - Nov 2016)

23/05 RU Pella
16/6 RU Imathia
30/6 RU Florina

6/04 RU Serres
Re-emergence

19/10/2016
Evros

13/06/2016
Limnos

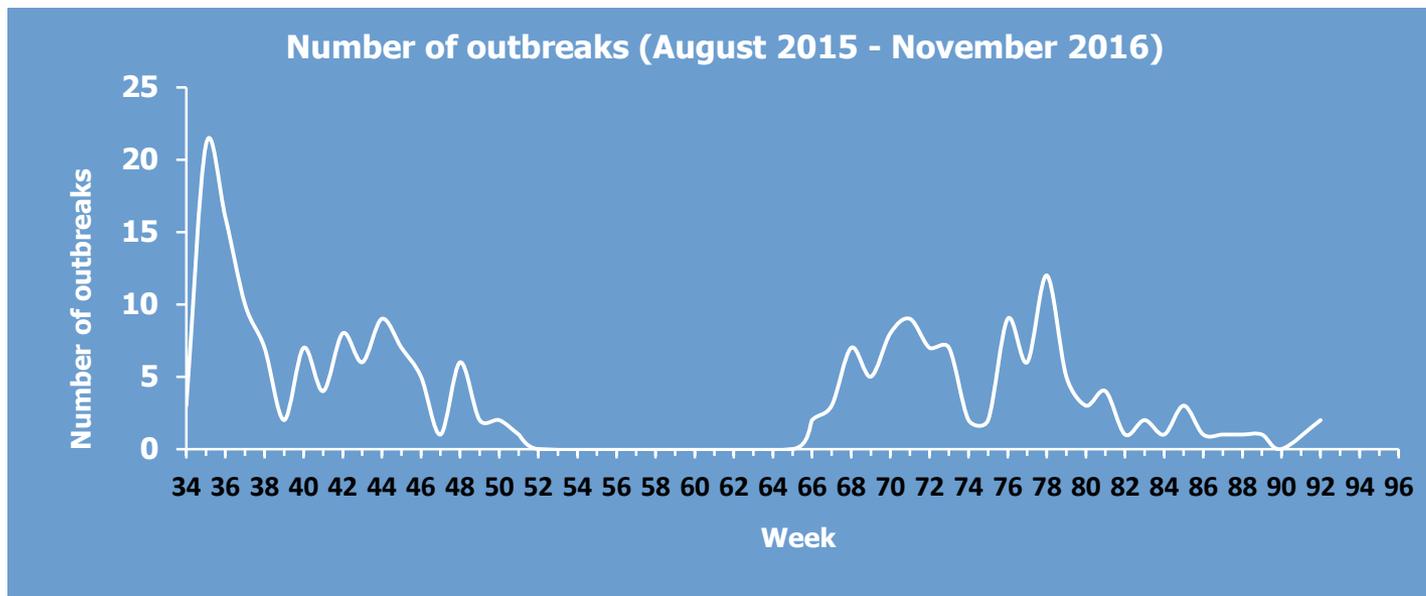
26/08
RU Larissa & Kozani

25/11/2016
Preveza

15/07/2016 RU Achaia
≈ 300 km distance



Overview

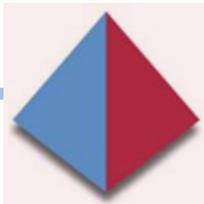


2015

- 117 outbreaks
- 7 Regional Units
- 20 Aug - 15 Dec (4 months)
- 24 out of 117 outbreaks: vaccinated herds suspicion was notified less than 28 days post vaccination
- 6080 animals culled

2016

- 104 outbreaks
- 14 Regional Units (11 new)
- 6 Apr - 9 Nov (7 months)
- Unvaccinated animals or Vaccinated but not immunized at the time of infection (except 1 herd)
- ~ 5700 animals culled



Vaccination Planning

- **Vaccination Started: on 5/09/2015 RU Evros**
after first confirmation of LSD: 20/08/2015 RU Evros
- **At the beginning around outbreaks in affected Regional Units**
Xanthi, Rodopi, Kavala, Chalkidiki,
- **In October creation of buffer zone in free areas and progressive extension according to the availability of the vaccines**
1st Priority: Thessaloniki, Drama, Serres, Kilkis,
2nd Priority: Imatia, Pella, Pieria
- **In May when the disease crossed the buffer zone:**
The Vaccination of **total mainland** firstly and the **islands** later decided



Vaccines Supplies

Bovine Animal Population in Greece : 731.339 animals (33.462 herds)

Doses	Central Vet. Authority	Local Vet. Authorities	Farmers	Total Doses
2015	33.100	85.800	110.000	228.900
2016	628.000	91.700	105.154	824.854
Total Doses	661.100	177.500	215.154	1.053.754
Contribution	55%	15%	18%	88%

European Commission : Contribution 12% of the total number of doses

European Commission	2015	27/4/2016	14/7/2016	2/12/2016	Total
	0	50.000	50.000	50.000	150.000



Standing Group of Experts on LSD in Europe under the GF-TADs umbrella

Different Stages of Vaccination Campaign

Greek Mainland 41 Prefectures

Annual Revaccination for 2016

9 prefectures: in progress

Calves > 4 months

Unvaccinated animals for other MS

First Vaccination during 2016

9 Prefectures completed first vaccination

in progress for calves > 4 months

unvaccinated for other MS

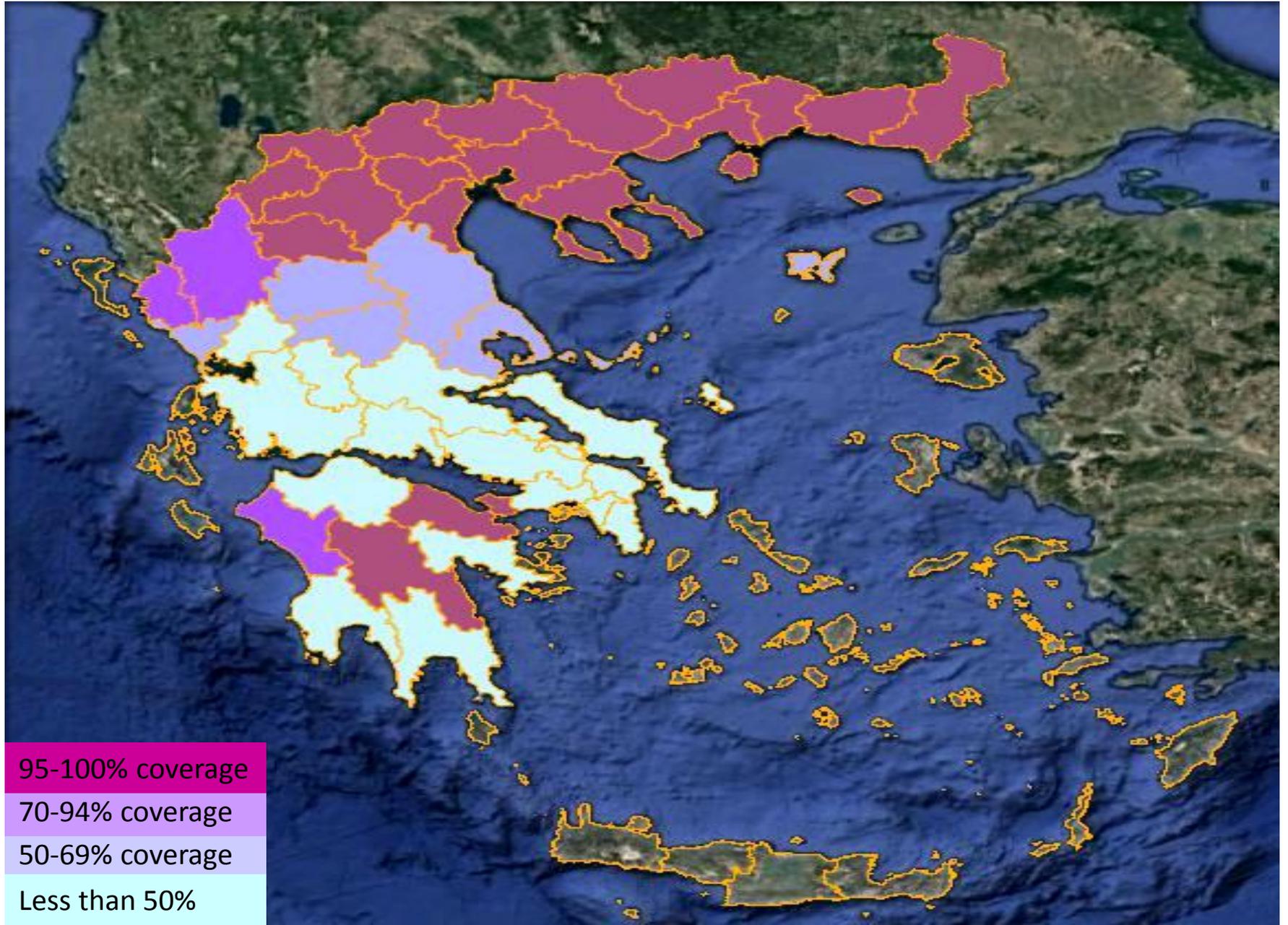
17 Prefectures in progress first vaccination

6 Prefectures Vaccination Started less than 2 months ago

The Islands the vaccination will start in the following days



Vaccination Coverage



Data on Vaccination

Harmonization of Data on Vaccination and explanation

Estimation on the base of animals

- Animals Vaccinated once
- Animals Vaccinated twice
- Animals Vaccinated but not existed anymore (Killed, slaughtered)
- Calves < 4 months not vaccinated (coming from vaccinated animals)
- Unvaccinated animals

Date of start vaccination

- Start/End Date of first vaccination
- Start/End Date of annual vaccination
- Dates of calves vaccination
- Practical there is no an end date of vaccination

Coverage

- Bovine Population in Data bases is always bigger than the existing
- Not only based on vaccinated animals but also on calves coming from vaccinated animals

Challenge for the future

Effectiveness of Vaccination

Is the absence of outbreaks a verification of the absence of the Lumpy Skin Disease ?

Subclinical Cases

Mild Clinical Signs not being observed

Animals not develop Immunity

Under notification



Acknowledgements

Many thanks to all colleagues of Veterinary Authorities of Orestias, Evros, Xanthi, Limnos, Rodopi, Kavala, Chalkidiki, Thessaloniki, Serres, Kilkis, Drama, Pella, Imathia, Pieria, Kozani

Special thanks to:

- **Achilleas Sachpatzidis** (Director, Directorate of Veterinary Medicine of the East Macedonia and Thrace Region)
- **Evaggelia Plevraki and Maria Topkaridou** (Veterinary Service of S.Evros)
- **Evaggelos Tsiamadis and Stefanos Moraitis** (Veterinary Service of Thessaloniki)
- **Konstantia Tasioudi, Eirini Agianniotaki, Peristera Iliadou** (NRL)
- **Thomas Alexandropoulos** (Chief Veterinary Officer)
- **Sotiria-Eleni Antoniou** (Head of the Department of Infectious and Parasitic Diseases)

Last but not least:

- **The colleagues at DG SANTE of European Commission** for their support
- **The colleagues of Community Veterinary Emergency Team** for their presence on the spot and contribution
- **Kris De Clercq and Coda- Cerva Laboratory**
- **International Atomic Energy Agency (IAEA)**, for training laboratory staff and providing reagents



Standing Group of Experts on LSD in Europe under the GF-TADs umbrella

Thank you for your attention

Contact details

Ministry of Rural Development and Food
Directorate General of Sustainable Animal
Production & Veterinary Medicine

Animal Health Directorate

Department of Infectious and Parasitic Diseases

Address: Veranzerou 46 str, Athens, Greece

Email: chdile@minagric.gr

seantoniou@minagric.gr

Website: www.minagric.gr



Standing Group of Experts on LSD in Europe under the GF-TADs umbrella