



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

First meeting (LSD1)
Brussels, Belgium, 4-5 July 2016

LSD: Control and Eradication
LSD Expert: Dr Kris De Clercq

LSD: Control and Eradication

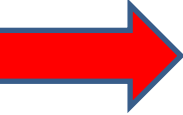
Legal Framework in EU:

- Council Directive 92/119/EEC introducing general Community measures for the control of certain animal diseases
- Basis for
 - Immediate investigations and actions
 - Stamping out all animals on holding + may extend
 - PZ & SZ: min 3 & 10 km + modify (art 26)
 - If > one MS: cooperate to establish zones
 - Movement restrictions
 - Cleaning and disinfection
 - Nat Ref Lab
 - Vaccination: animals remain in Vac Zone -> except procedure via art 26
 - Art 14: epizootic exceptionally serious, all additional measures to be taken by the Member States shall be adopted under the procedure laid down in Article 26 (Com Implementing Decisions).



LSD: Control and Eradication

Legal Framework in EU:

- Council Directive 92/119/EEC introducing general Community measures for the control of certain animal diseases
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 - Immediate investigations and actions
 -  **Stamping out all animals on holding + may extend** (EFSA opinion)
 - PZ & SZ: min 3 & 10 km = **max (keep limited)** (<->EFSA opinion)
 - If > one MS: cooperate to establish zones
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 - Nat Ref Lab
 - Vaccination: animals remain in Vac Zone -> except procedure via art 26
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LSD: Control and Eradication

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- Immediate investigations and actions



- Stamping out all animals on holding + may extend

- PZ & SZ: min 3 & 10 km = max (keep limited)

- If > one MS: cooperate to establish zones

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- **Vaccination**: art 19 supplement to control when outbreak

No preventive vaccination

Animals remain in Vac Zone -> except procedure via art 26

No licensed vaccine in Europe

Vaccination experience from Israel

Homologous Vac (Israel) <-> Heterologous Vac (RF; exp)



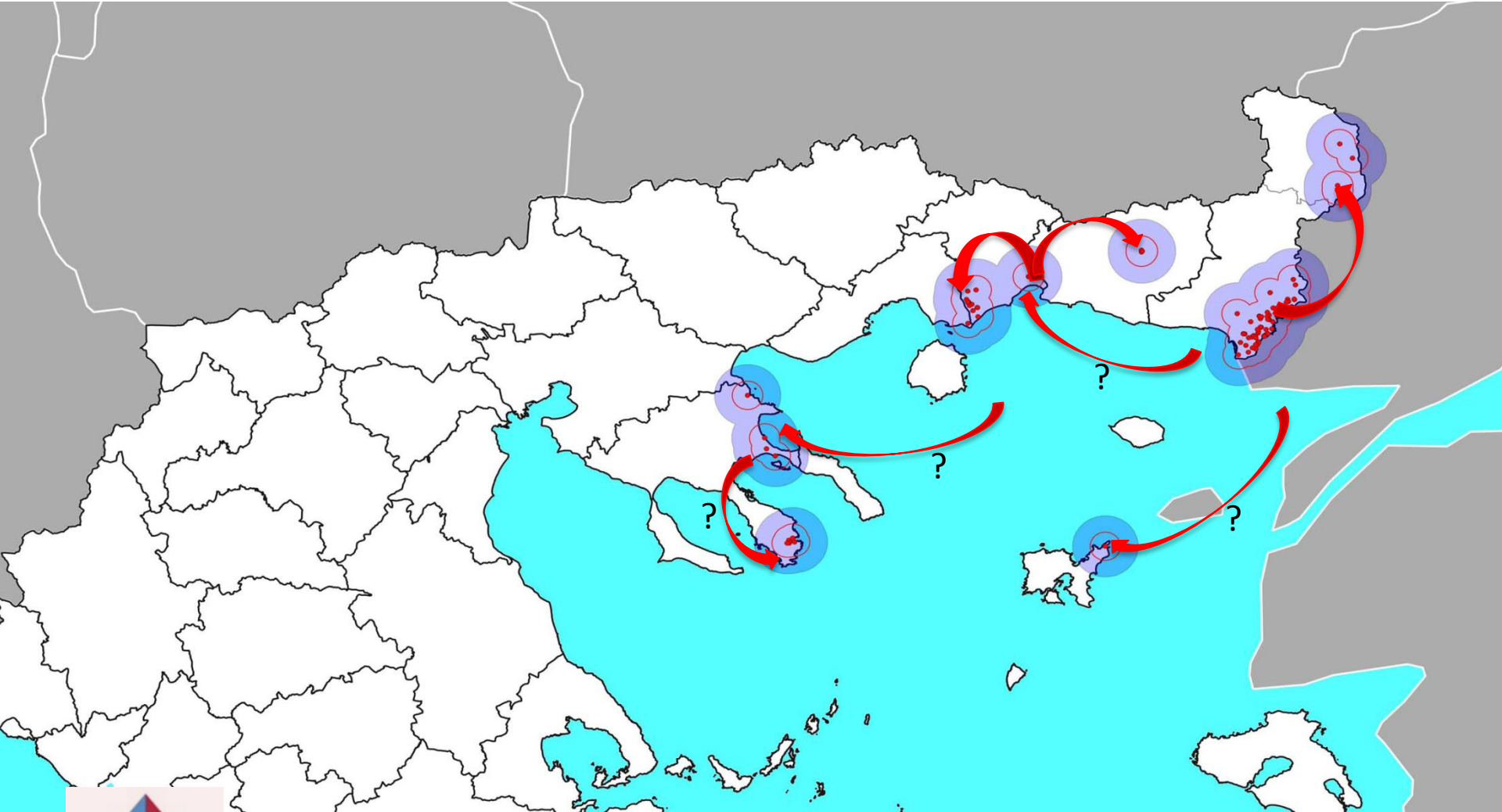
LSD: Control and Eradication

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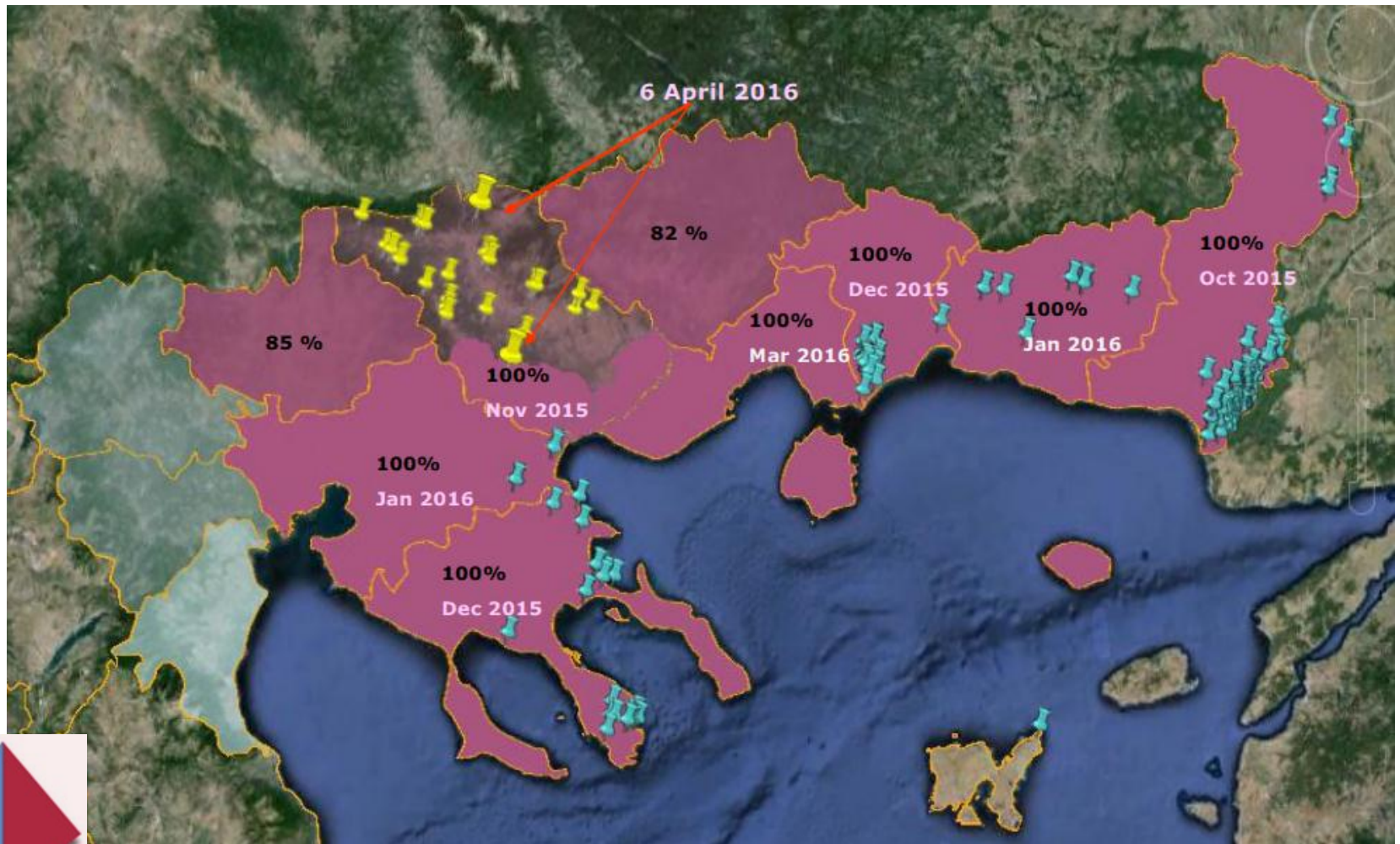


Situation in Greece 9 Nov 2015



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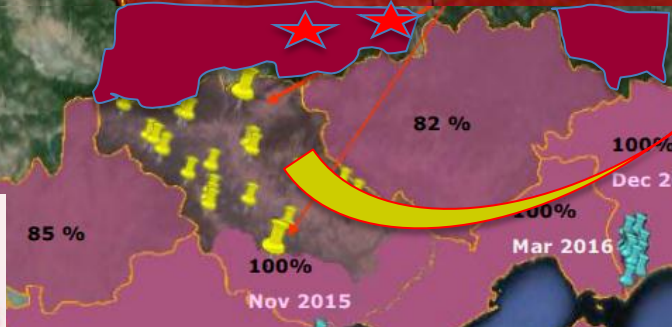
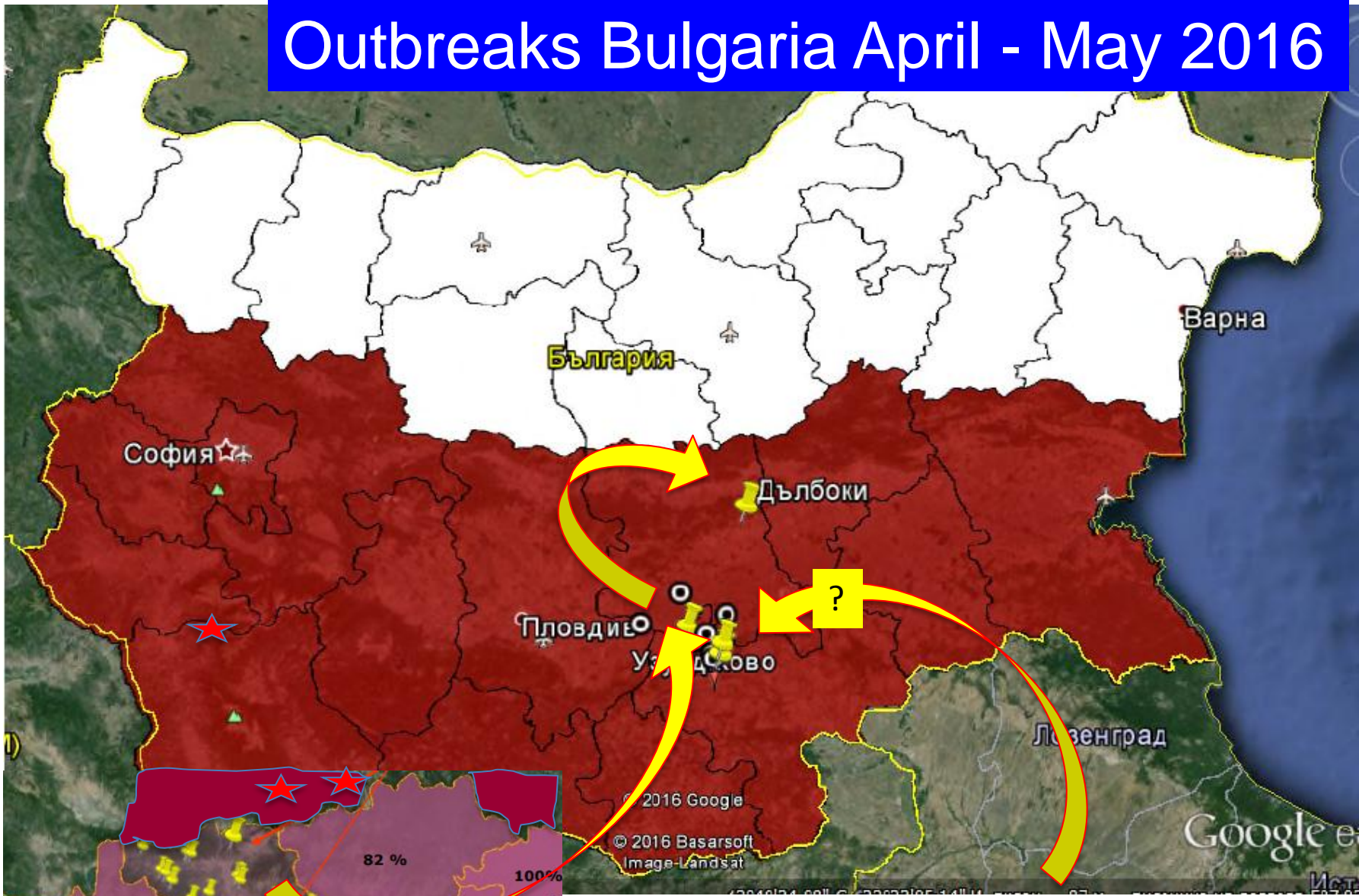
Last outbreaks Greece 15/12/2015 Rodopi 14/12/2015 Chalkidiki Re-Emerge Greece 6/4/2016



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Slide from Dr Sotiria Eleni Antoniou, Greece

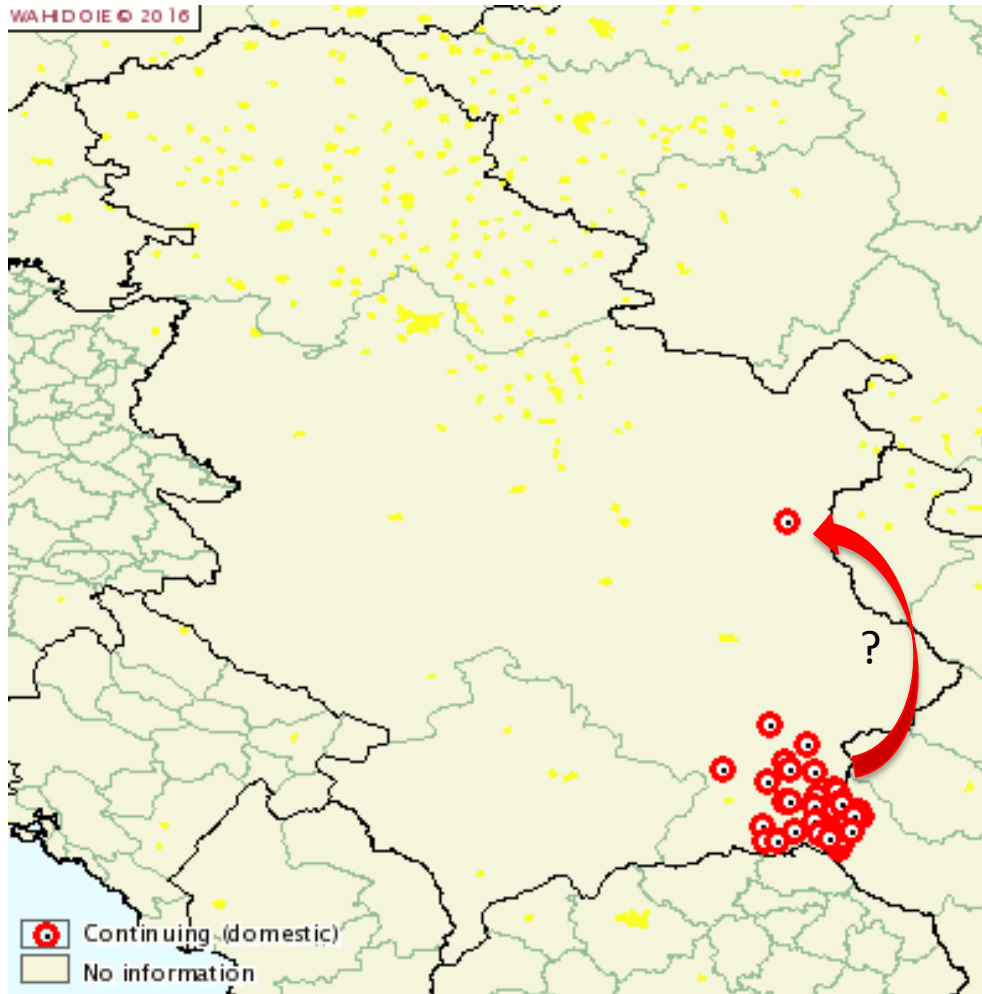
Outbreaks Bulgaria April - May 2016



Slide from Dr Georgi Chobanov, Bulgaria

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LSD situation in Serbia 23 June 2016



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LSD: Control and Eradication

Spread/transmission of LSDV: **Jumps**

- Vectors (species / mechanical <-> biological)
- Unauthorised / illegal movement
- Trucks: cleaned and disinfected (control)
- Legal movement of animals



LSD: Control and Eradication

Legal Framework in EU:

- Commission implementing decision (EU) 2016/645 concerning certain protective measures against LSD in Bulgaria
- **Derogation from the prohibition on the dispatch of bovine animals from restriction zone (RZ), for direct slaughter**
 - Bovine on disease free holding > 28 days
 - Transport **no stop** + immediate slaughter (<36h)
 - Before and during transport protected against vectors
 - Animal not vaccinated + holding not vac, outside PZ/SZ
 - Animal not vaccinated + holding vac, outside PZ/SZ, wait min 7d
 - Animal not vaccinated + holding in SZ >30d
 - Animal vaccinated min 28d + holding vac min 28d

RISK ?



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Risk of movement of animals outside restricted zone

- Animal in incubation period (Not vac or Vac)
- Animal subclinical infected

Experience:

- Animals detected in slaughterhouse
- Vaccinated herds with clinical infection < 28 dpv
- Some new outbreaks in free areas not far from slaughterhouse or collection centre
- Experimental evidence (Animal Not vac or Vac)

Lack of information:

- Prevalence of subclinical infected animals (Not vac or Vac)
- Vaccinated herds: herd immunity = ? (some animals do not react)
- Collaboration with Greece



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Difference with bluetongue

- No stamping out
- Movement of animals
 - 60 dpv if not tested
 - 28 dpv if tested for antibodies
 - 14 dpv if tested for nucleid acid (RT-PCR)
- LSD no testing



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Stamping out <-> modified stamping out

- Legislation concerning Environment

- Non-vaccinated herd:

No culling of only animals with clinical signs

- Non-vaccinated herd:

Culling of only animals with clinical signs = ?

After testing ? All animals or representative number

(low prevalence)

Need for information

Collaboration with Greece



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- Laboratory
pooling: no information
CSF <-> BTV



LSD: Control and Eradication

Thank you



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