LSD in
Republic of Macedonia

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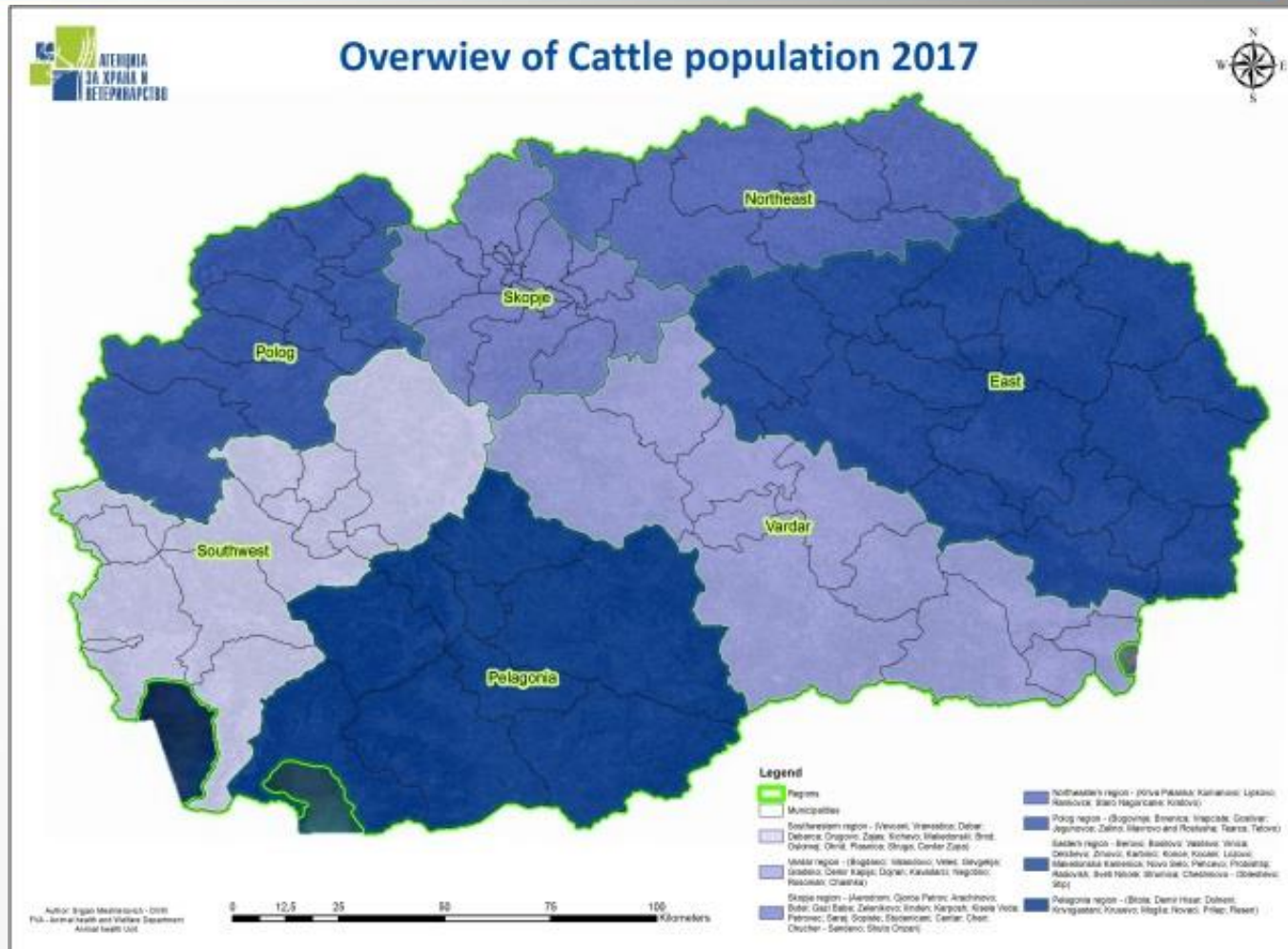under the GF-TADs umbrella

Ohrid, Macedonia

17 - 18.10.2018

Introduction

- Bovine density

- First case/Outbreks in 2016

- Outbreaks in 2017

- Vaccination in 2016, 2017 and 2018

- Vaccination efficiency 2018

Food and Veterinary Agency
## Cattle population density

Primary outbreak-Demir Kapija

- Date of suspicion: 18 April 2016 suspicion of LSD reported

- Location: Demir Kapija, southern part of the country

- Clinical signs: 1 animal shows nodules on the body, nasal discharge, salivation, decreased lactation, increased body temperature 40.5°C

- Type of holding: Cattle – 5 animals, semi grazing

Index case

Food and Veterinary Agency
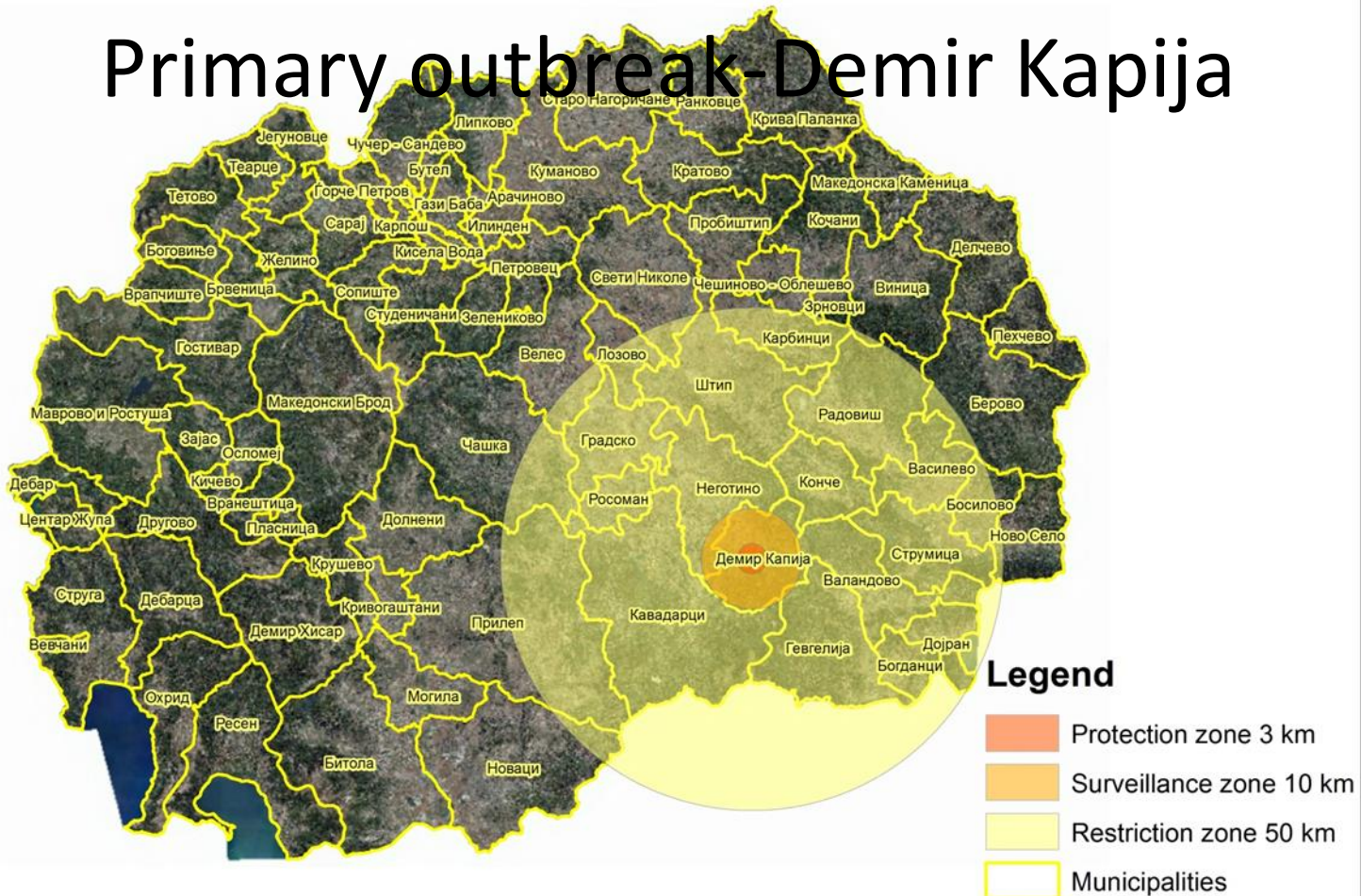
Situation on 31.12.2016
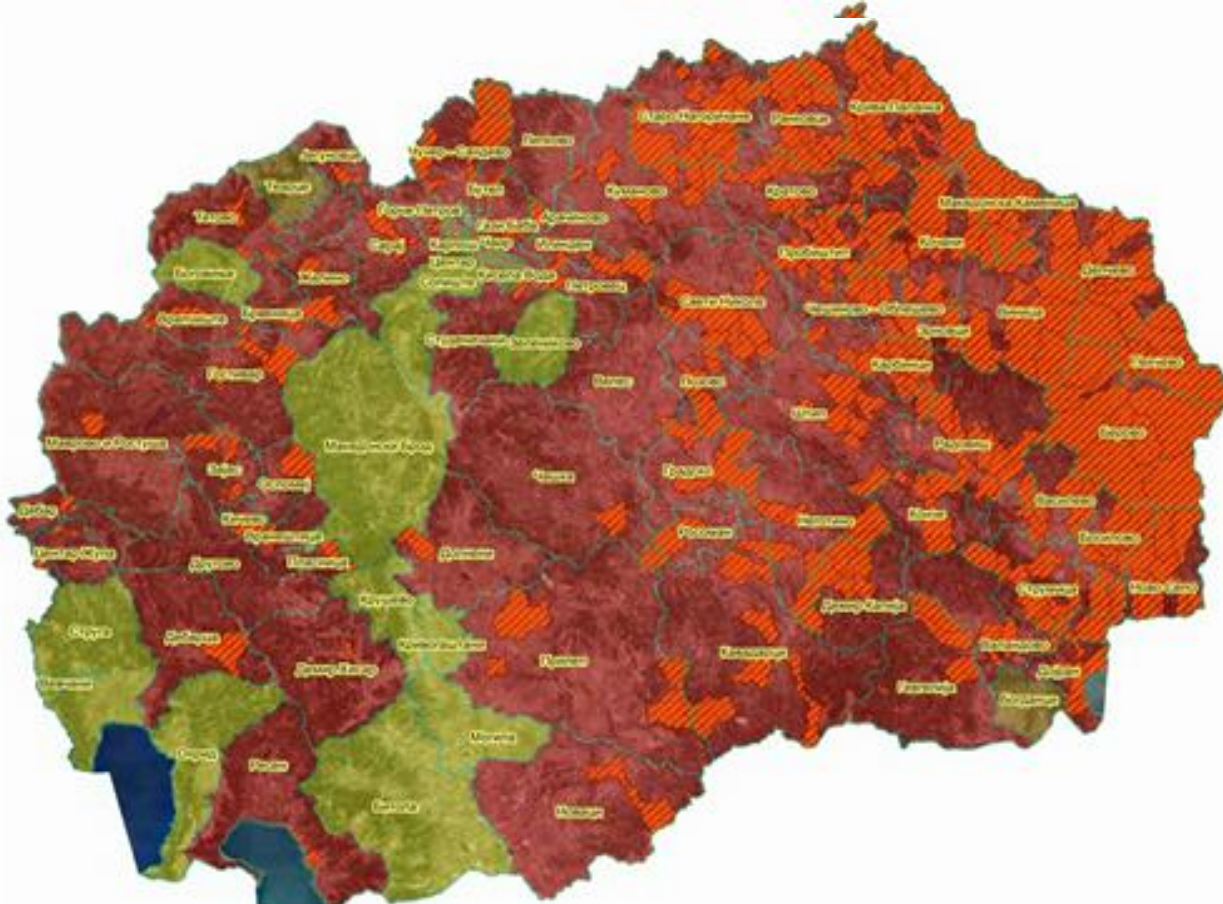
TOTAL NUMBER OF OUTBREAKS IN 2016

| Number of outbreaks	Number of animals on affected holdings	Culled animals	Dead animals
1 464	30 480	3 925	313

- 1535 reported (71 not confirmed)

Vaccination in 2016

- First vaccination May 2016

- Second vaccination June 2016

Vaccine	Available doses	Used	Supply	Vaccinated animals
OBP	50000	50000	/	46370
MSD	250000	182500	67500	165783
Total	300000	232500	67500	212153

Food and Veterinary Agency
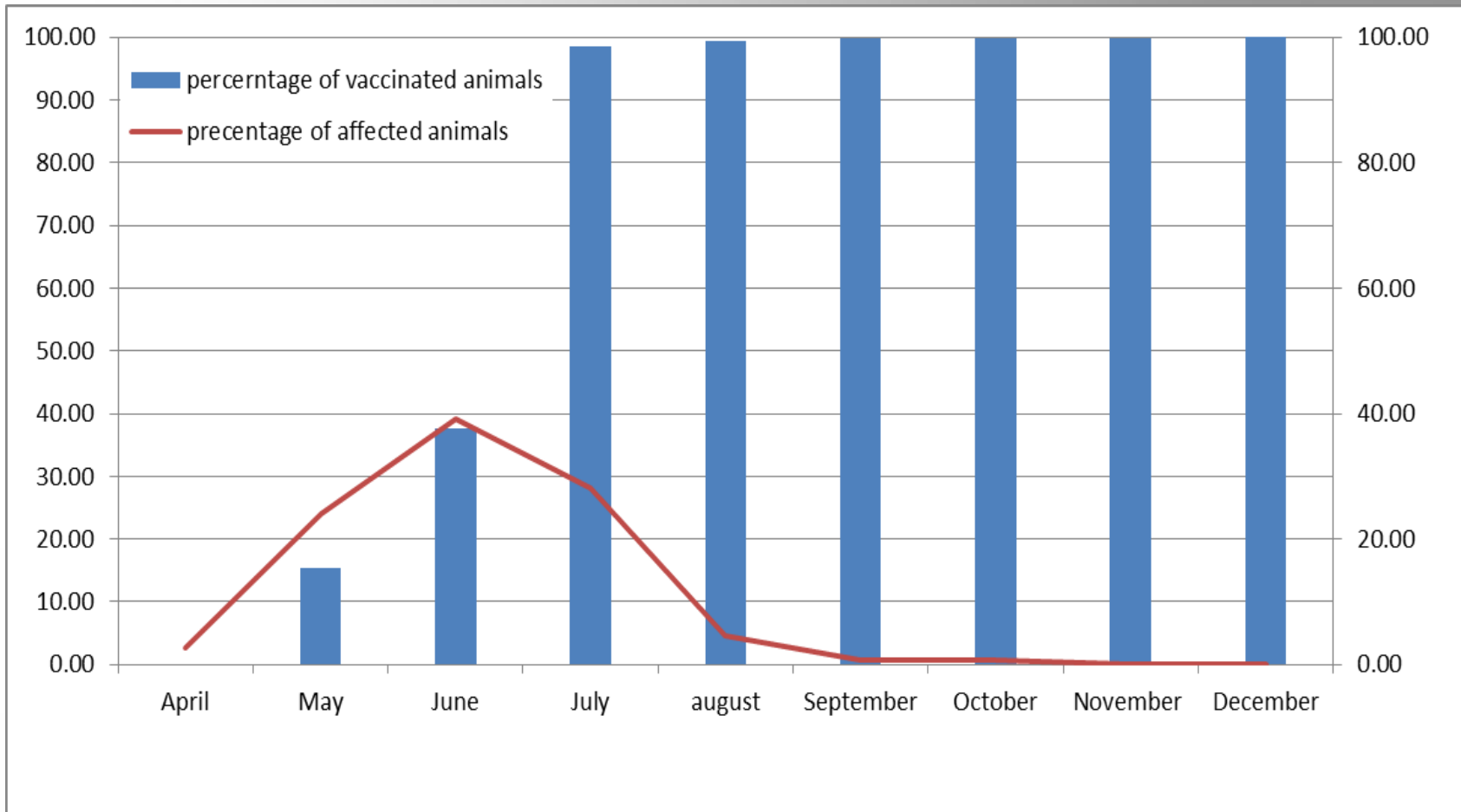
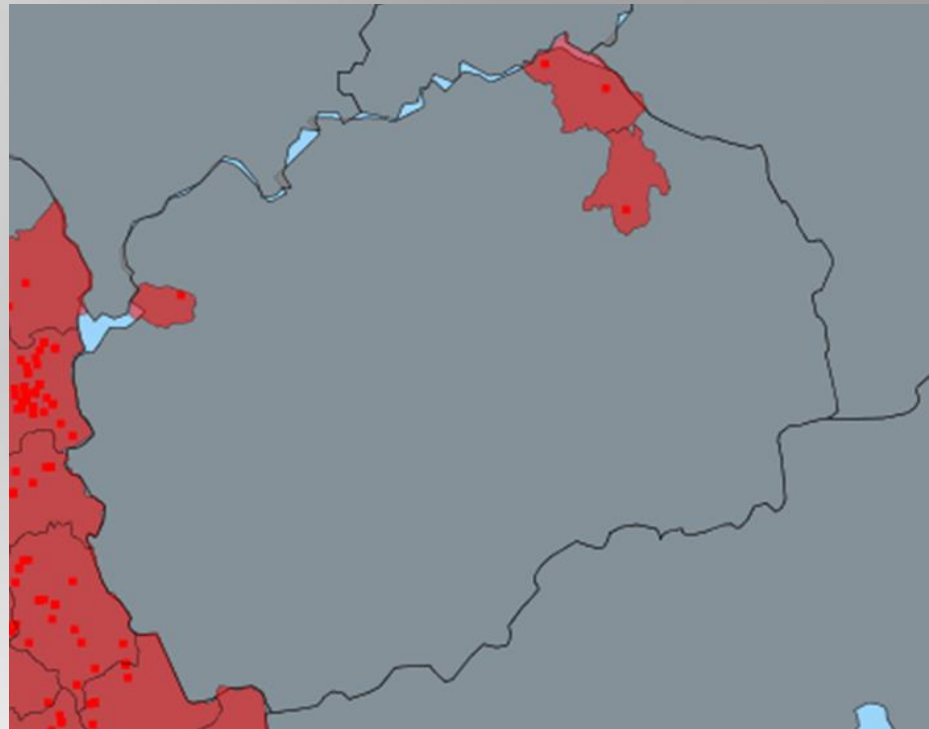# Vaccination in 2017

- First vaccination March 2017
- Second vaccination July 2017

Vaccine	Available doses	Used	Supply	Vaccinated animals
MSD	67500	67500	0	64851
OBP	175000	157950	17050	142155
Total	242500	218050	17050	207006

Outbreaks in 2017

- No epidemiological connection between two outbreaks
- Last outbreak on 31-st May, village Luke

Vaccination 2018

- Start of vaccination march 2018

Vaccine	Available doses	Used	Supply	Vaccinated animals
MSD	17050	13850	3200	13259
OBP	230000	179625	50375	154680
Total	254450	193475	53575	167939

Vaccination efficacy control in 2018

	First sampling	**Second sampling**
Seropositive	190	218
Seronegative	188	66
Examined animals	378	284
% of seropositive animals	50,3%	76,76%
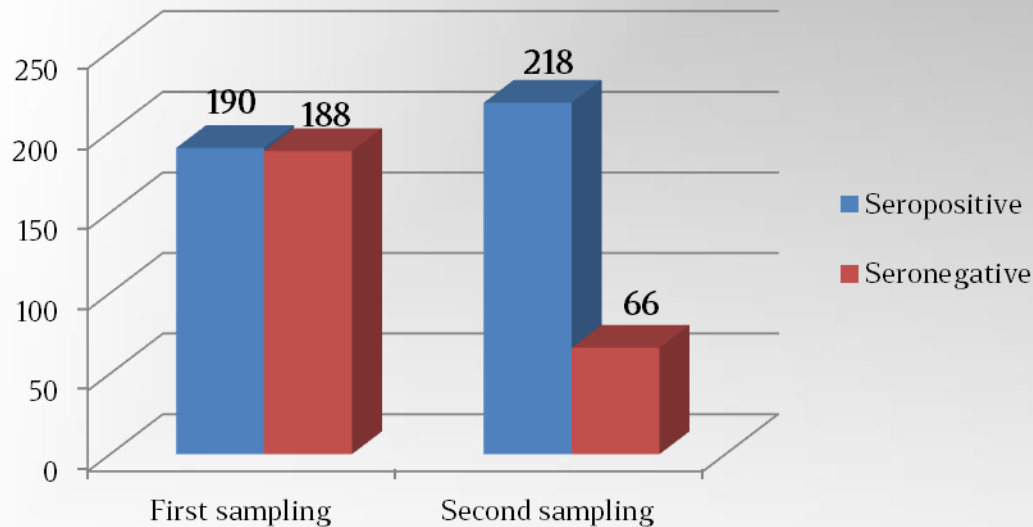
- 130 animals were seropositive in both samplings
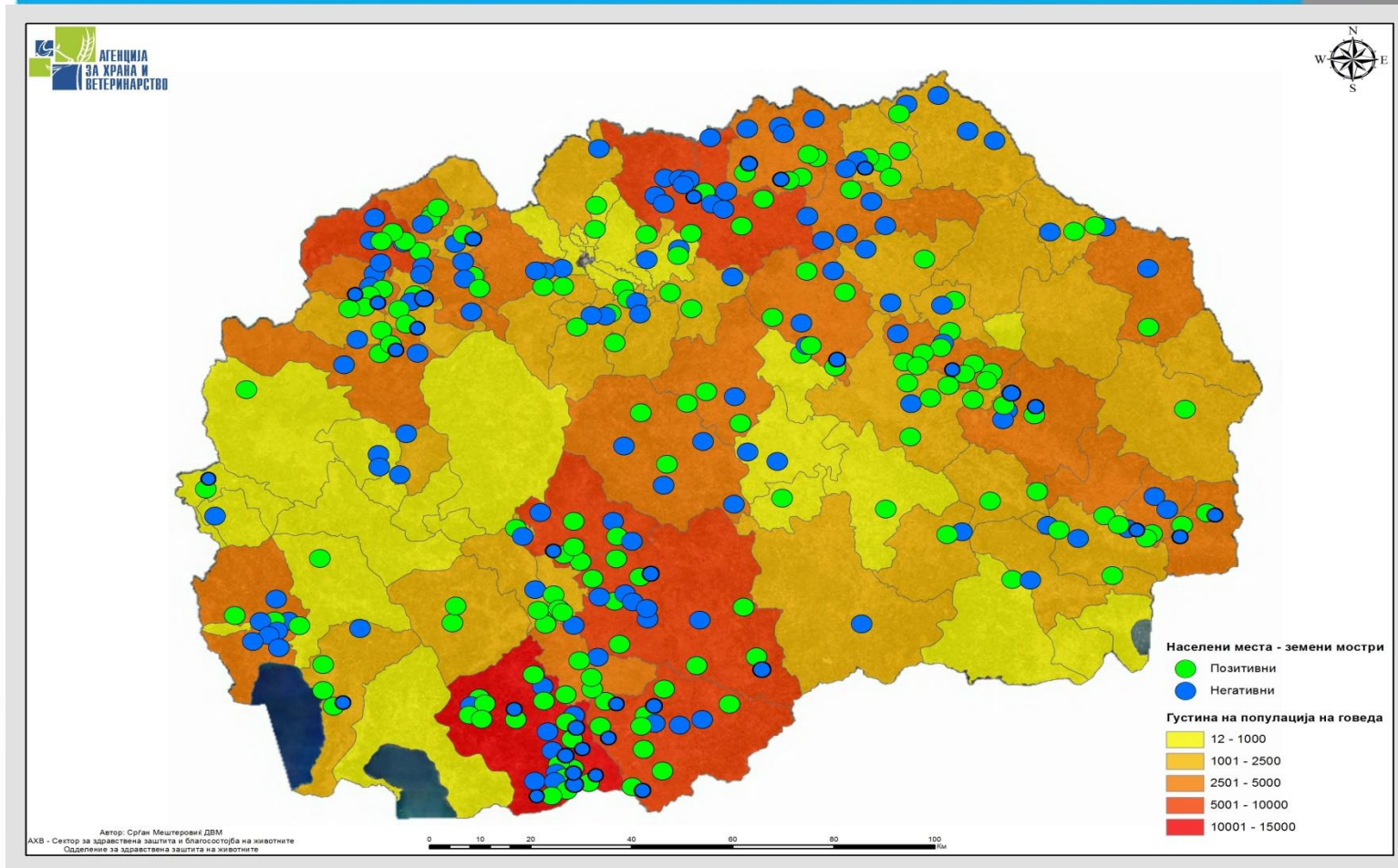
positive 190

negative 188
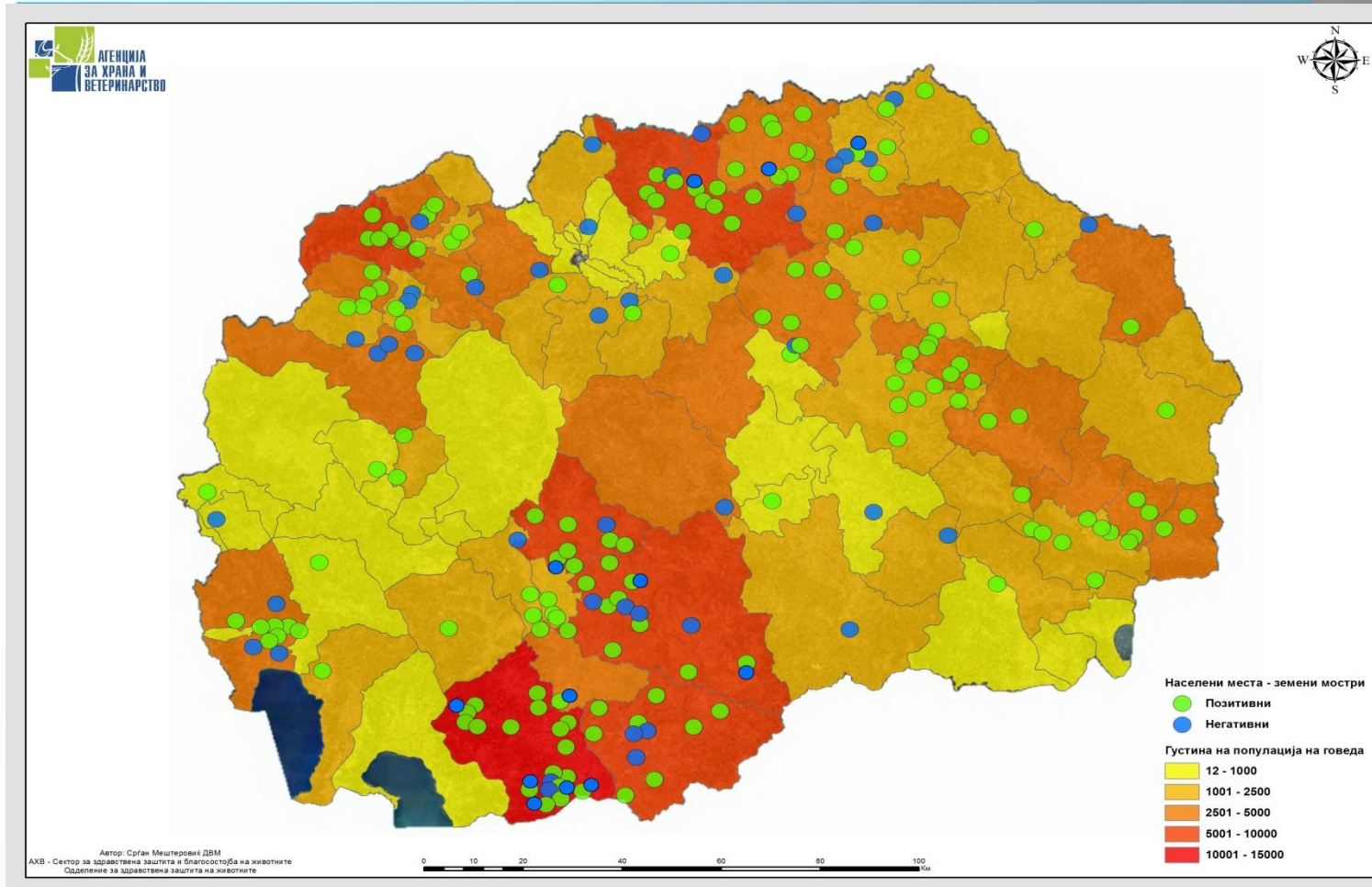
positive 218

negative 66

Thank you for your attention

Questions

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