


Lumpy Skin Disease in Republic of Macedonia

Food and Veterinary Agency of Republic of
Macedonia



Republic of Macedonia



Competent authority

- Food and Veterinary Agency (FVA)
 - Established by the Food Safety Law (OJ of RM 157/2010) as an independent governmental body
 - Merging of Veterinary Directorate (MAFWE) and Food Directorate (MH)
 - Started its activities - 1st January 2011

Veterinary service

- organized in three levels:
 - Central level – central competent authority – FVA;
 - Regional/Local level – local units of FVA;
 - Local level – Private veterinary clinics responsible for certain animal health measures regarding animal health control. (Tasks and responsibilities determined in the agreement between FVA and private veterinary clinics.)
- Laboratories

Laboratories

Laboratory analysis from official controls are carried out in:

- Laboratories under the Faculty of Veterinary Medicine Skopje (FVMS)
- Public Health Institute, Skopje
- The analysis are performed according to ISO/IEC 17025:2006 /accredited methods/
- ***LSD - PCR - RT – for detection***

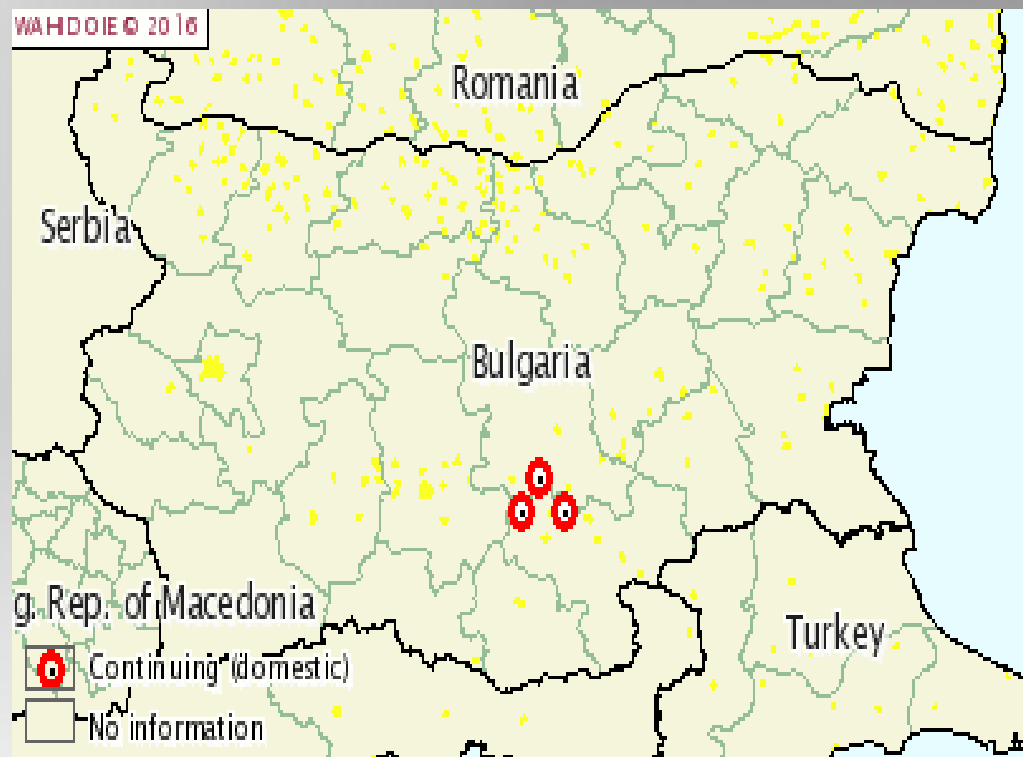
Region in 2015



Preparedness activities

- Decision for ban of import and transit of cattle and wild ruminants, beef products and processed beef, milk and milk products from cattle, as well as by-products of cattle from affected area in Greece
- Workshop for Veterinary Services on nature and clinical signs of the LSD, sample collection and diagnostics of LSD
- Information and awareness campaign of other stakeholders
- Informing the farmers during visits to holdings (distribution of leaflets)
- Training of staff in Pendik Veterinary Control Institute, Istanbul, supported by TICA.

Situation in April 2016



Situation in end of April



Situation in June 2016



Primary outbreak on LSD - Demir Kapija

- Date of suspicion: 18 April 2016 suspicion of LSD reported
- Location: Demir Kapija, southeastern 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

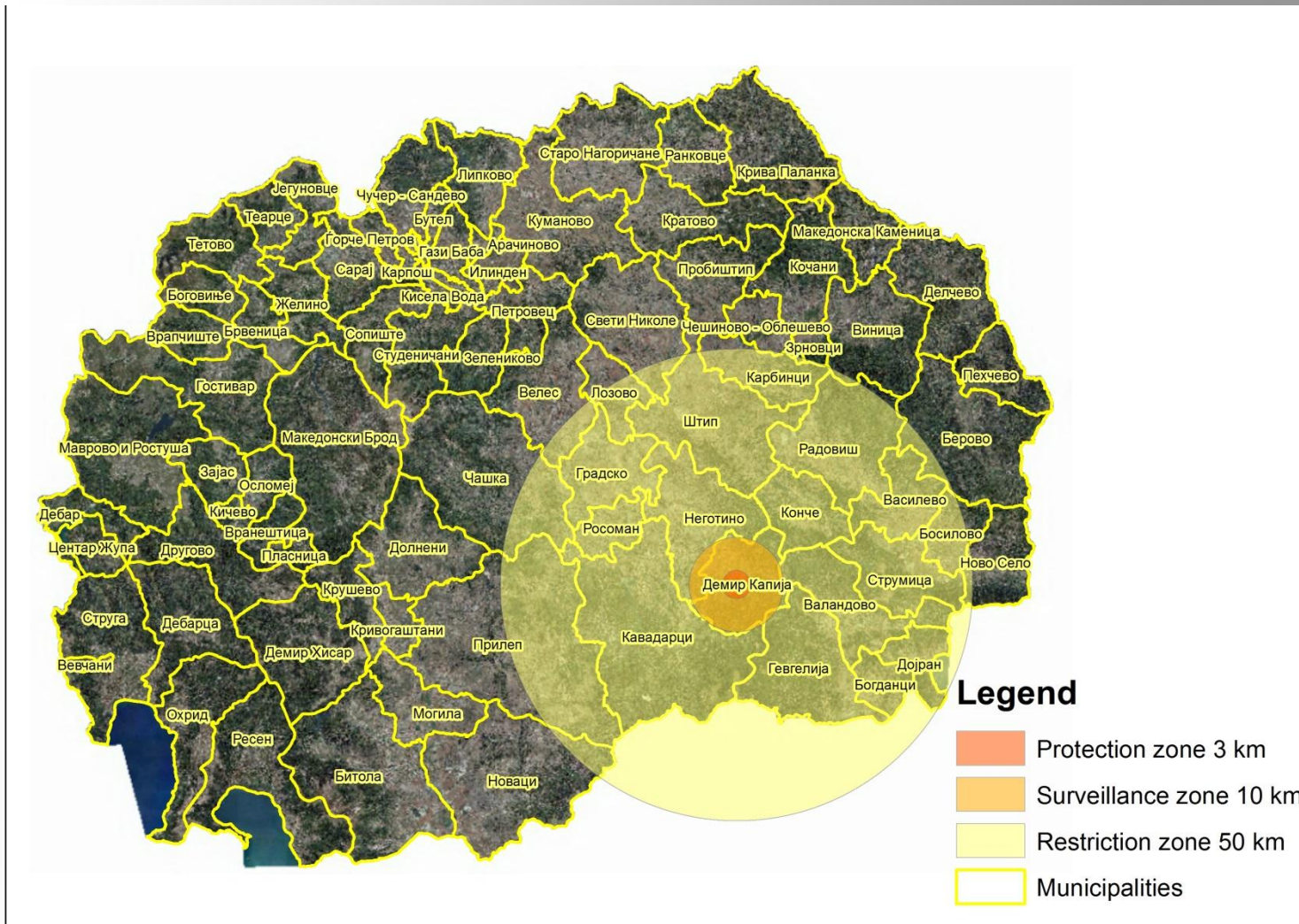
Primary outbreak-Demir Kapija

- Date of confirmation: 21 April 2016 laboratory confirmation of LSD (Bulgaria)
- Date of depopulation: 22 April 2016 (5 animal destroyed)
- Cleaning and disinfection, insect control (disinsection)
- Zoning:
 - Protection zone - 3 kilometers
 - Surveillance zone - 10 kilometers
 - Vector risk zone – 50 kilometers

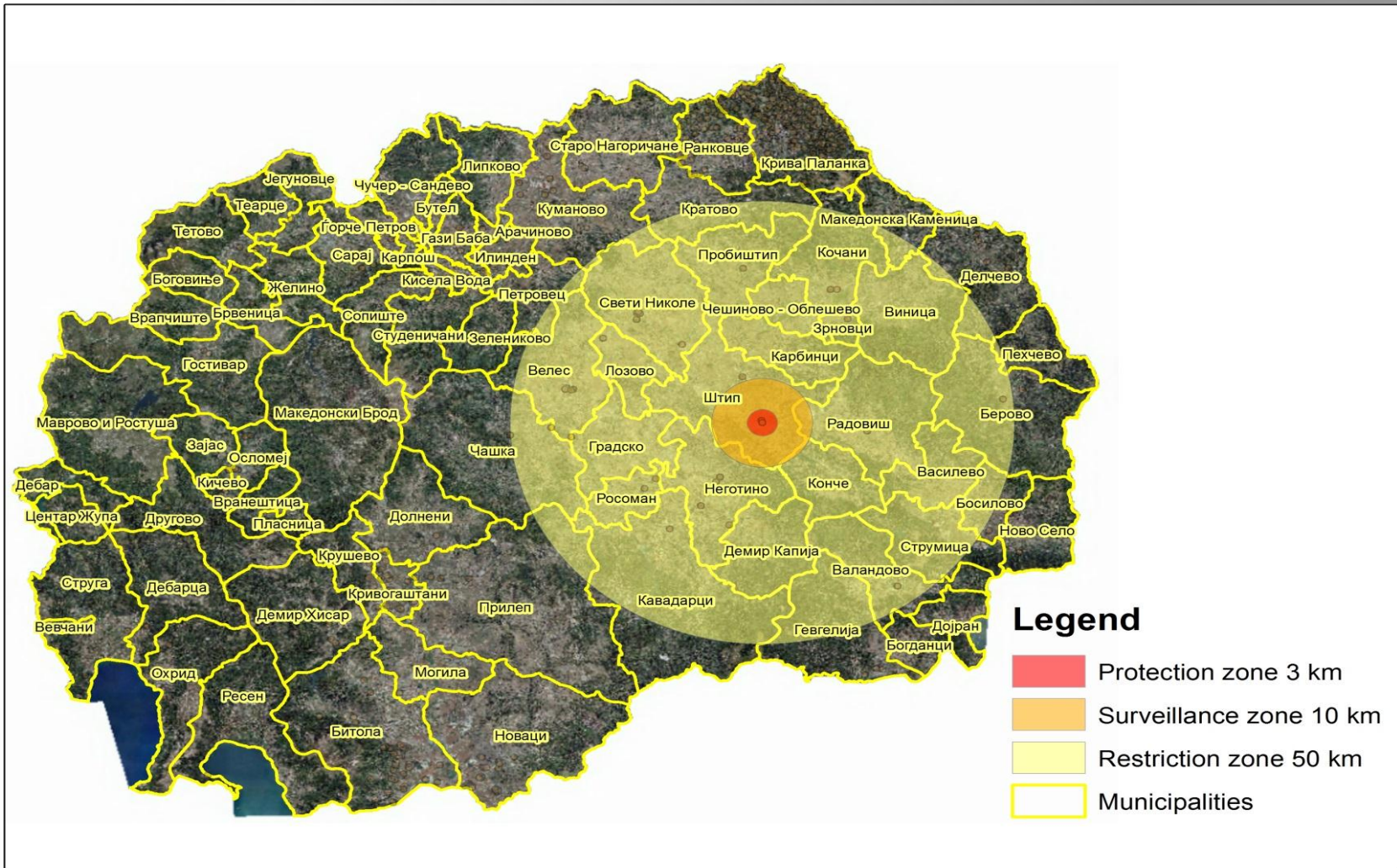
Control measures-Legislation in force

- **Restrictive measures** in accordance with the Law on Veterinary Health
 - equivalent to the Council Directive 92/119/EC, Decision 2016/645 and Decision 2015/1500
- **Notification** in accordance with the Book of Rules for control and eradication of compulsory notifiable diseases
 - equivalent to the Council Directive 82/894/EC

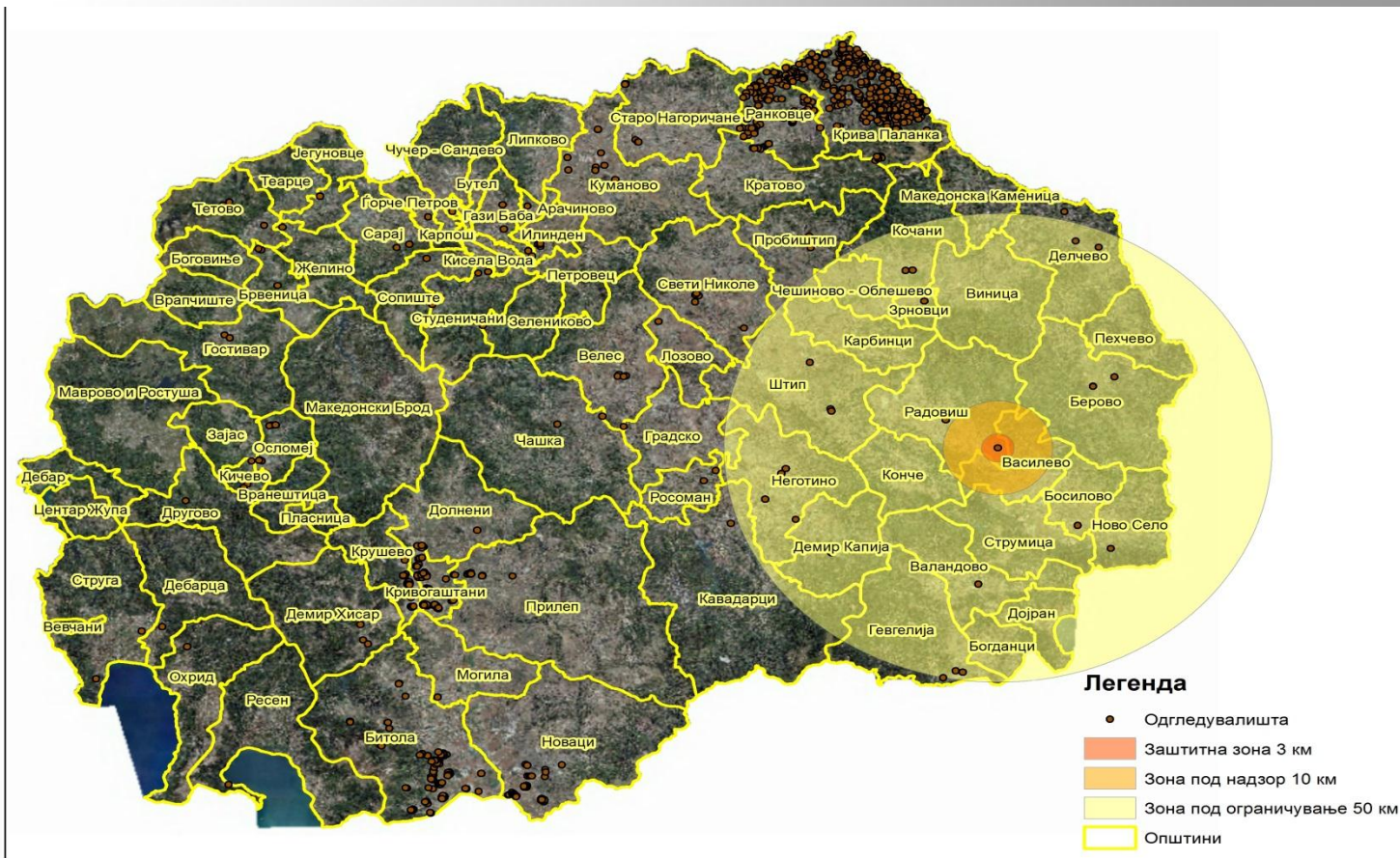
Primary outbreak – 21.04.2016



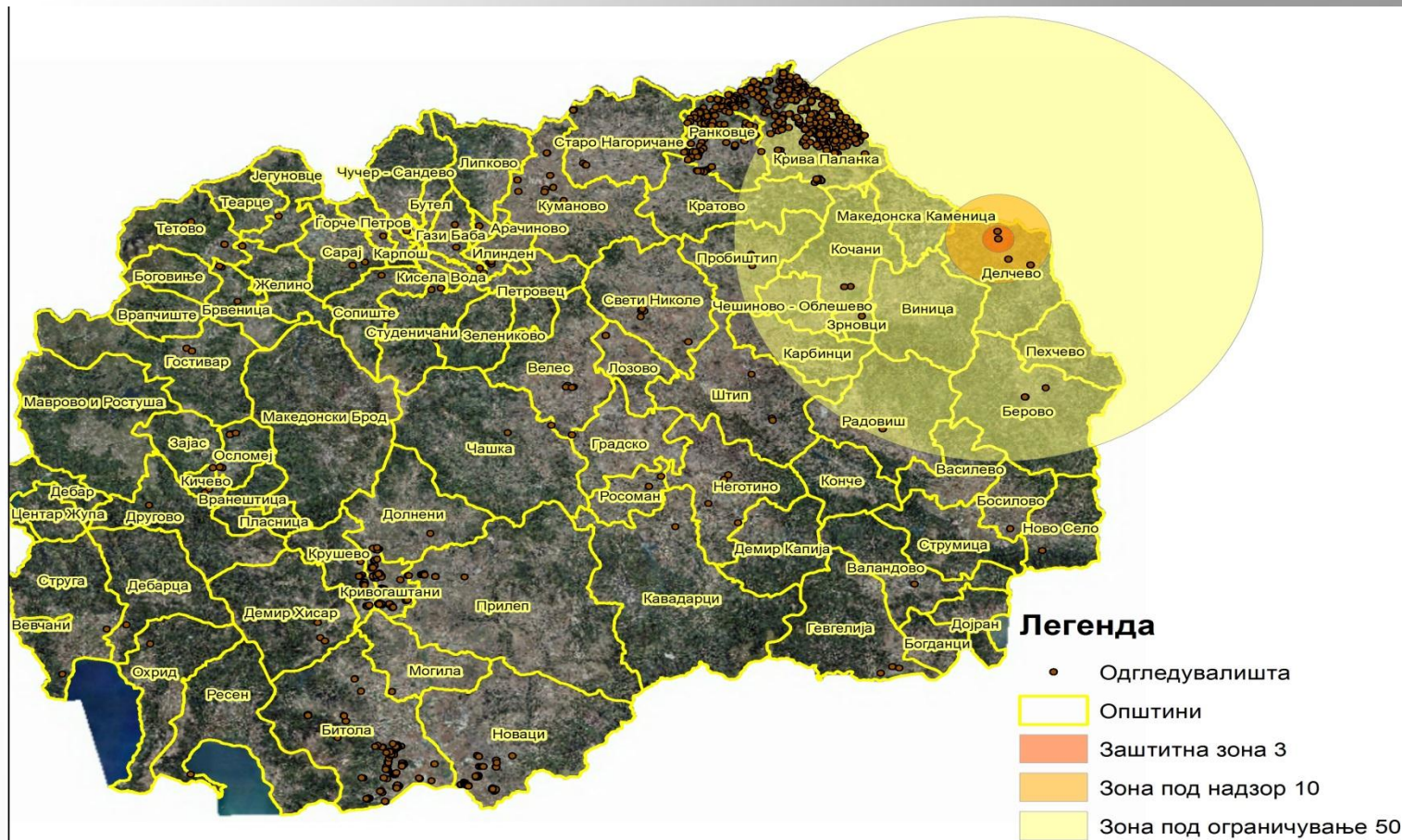
Secondary outbreak-27.04.2016



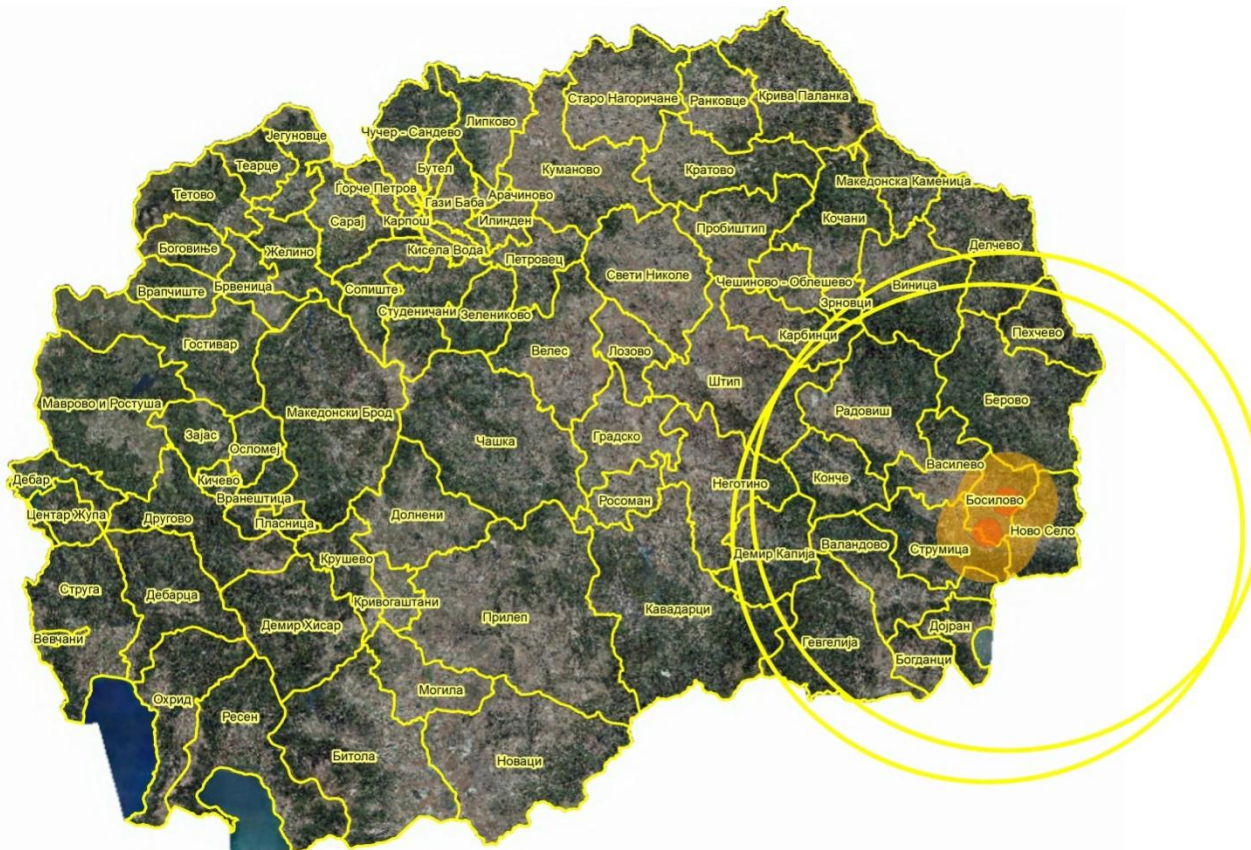
Third outbreak – 28.04.2016



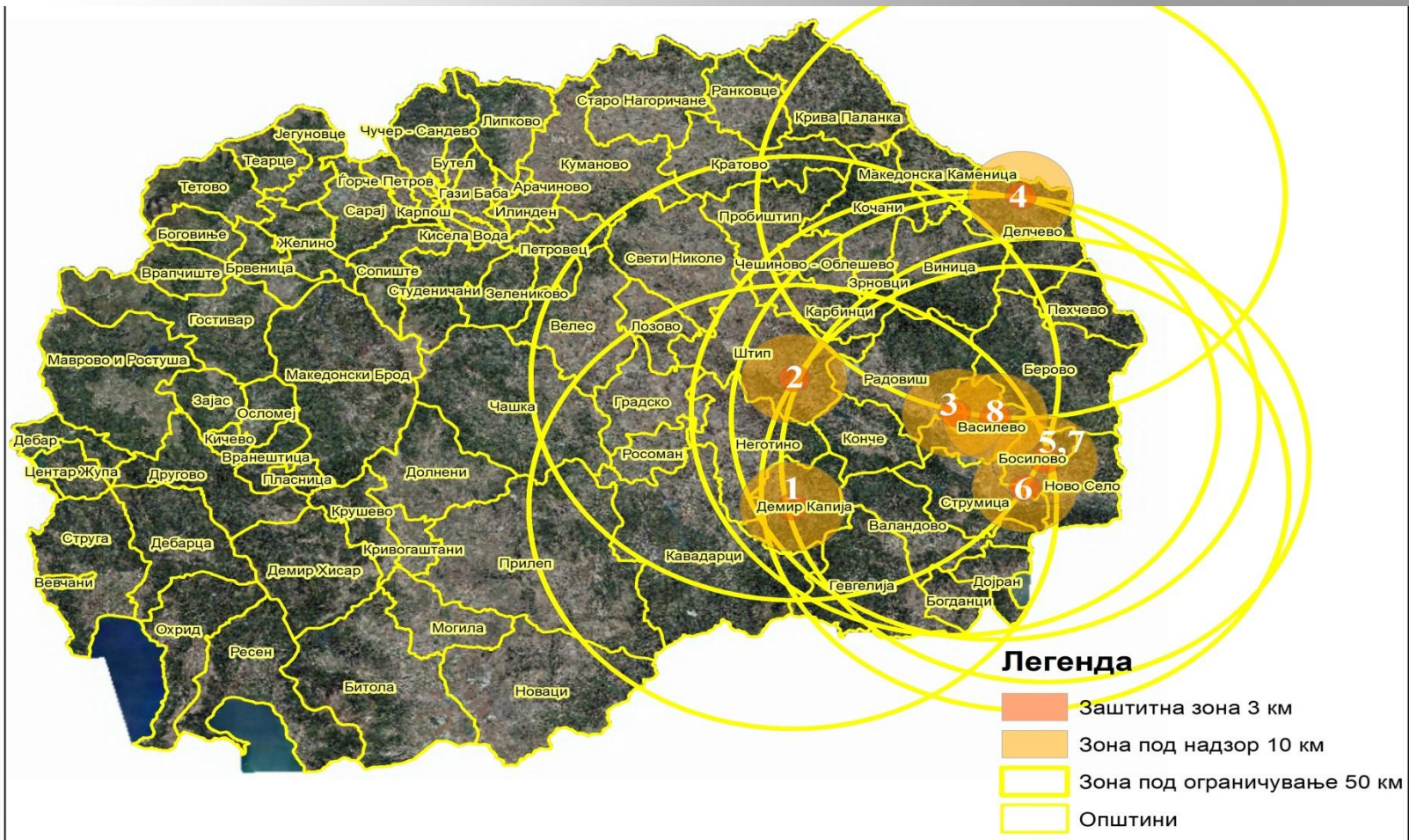
Fourth outbreak – 28.04.2016



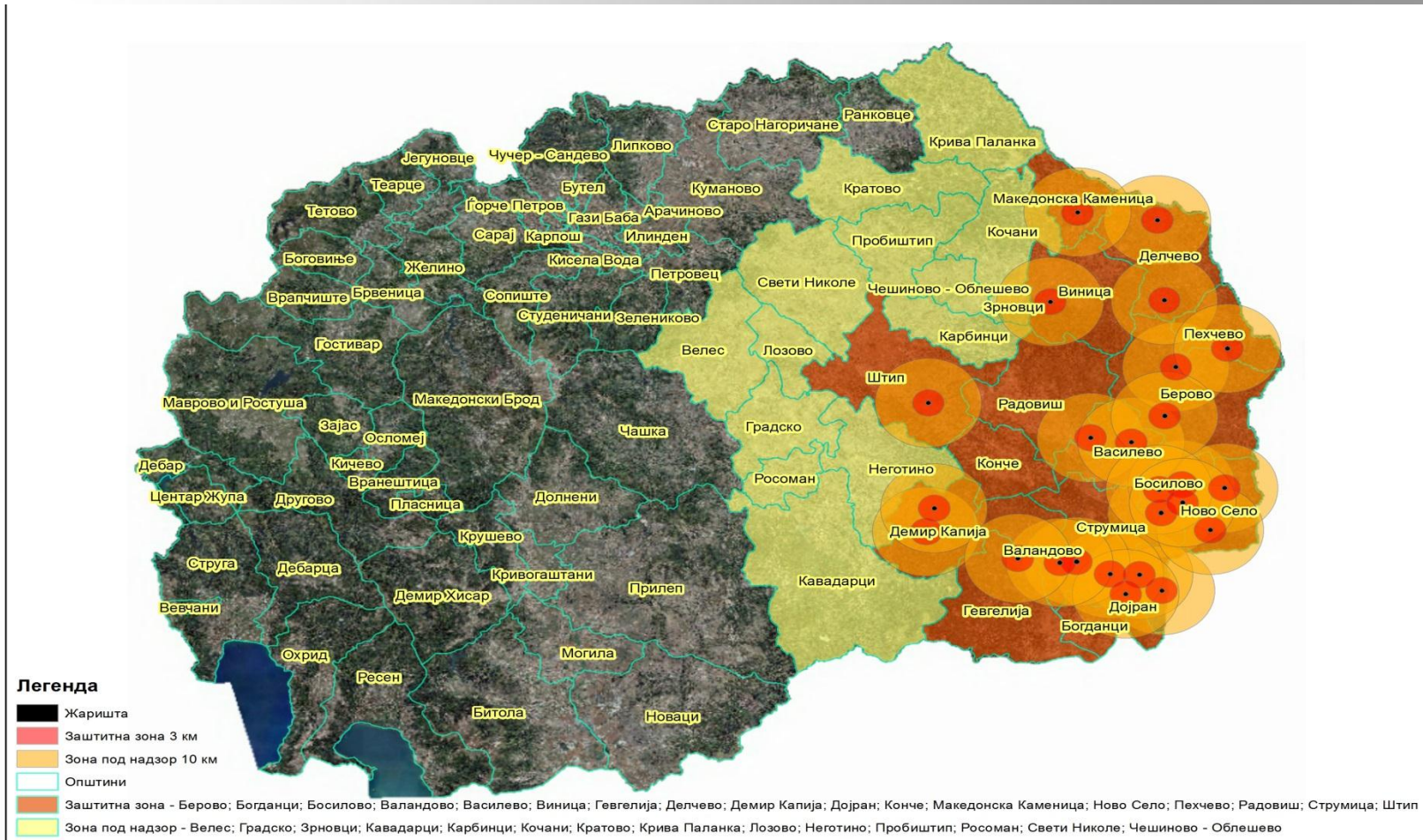
New outbreaks on 03.05.2016



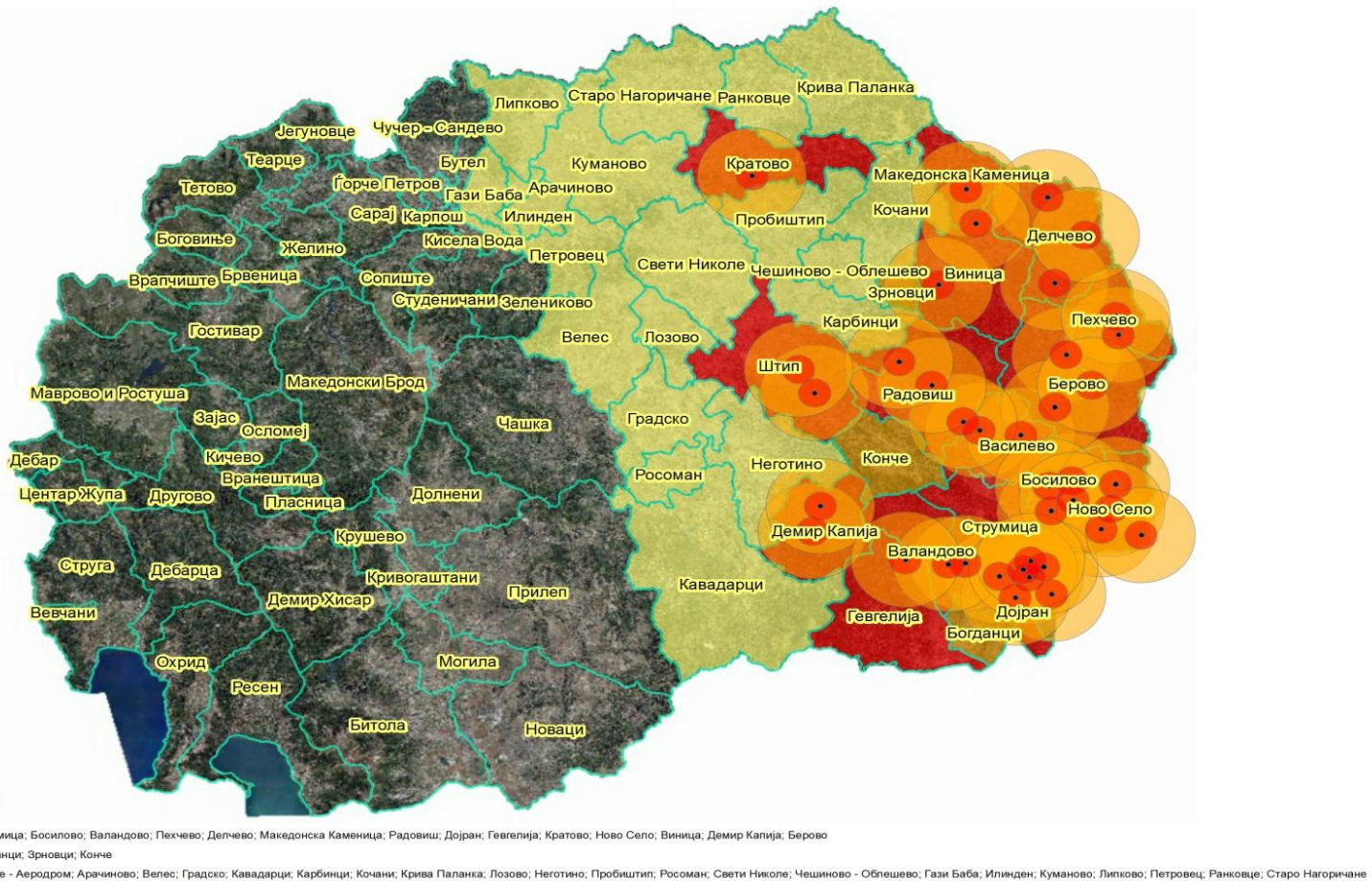
Outbreak situation on 04.05.2016



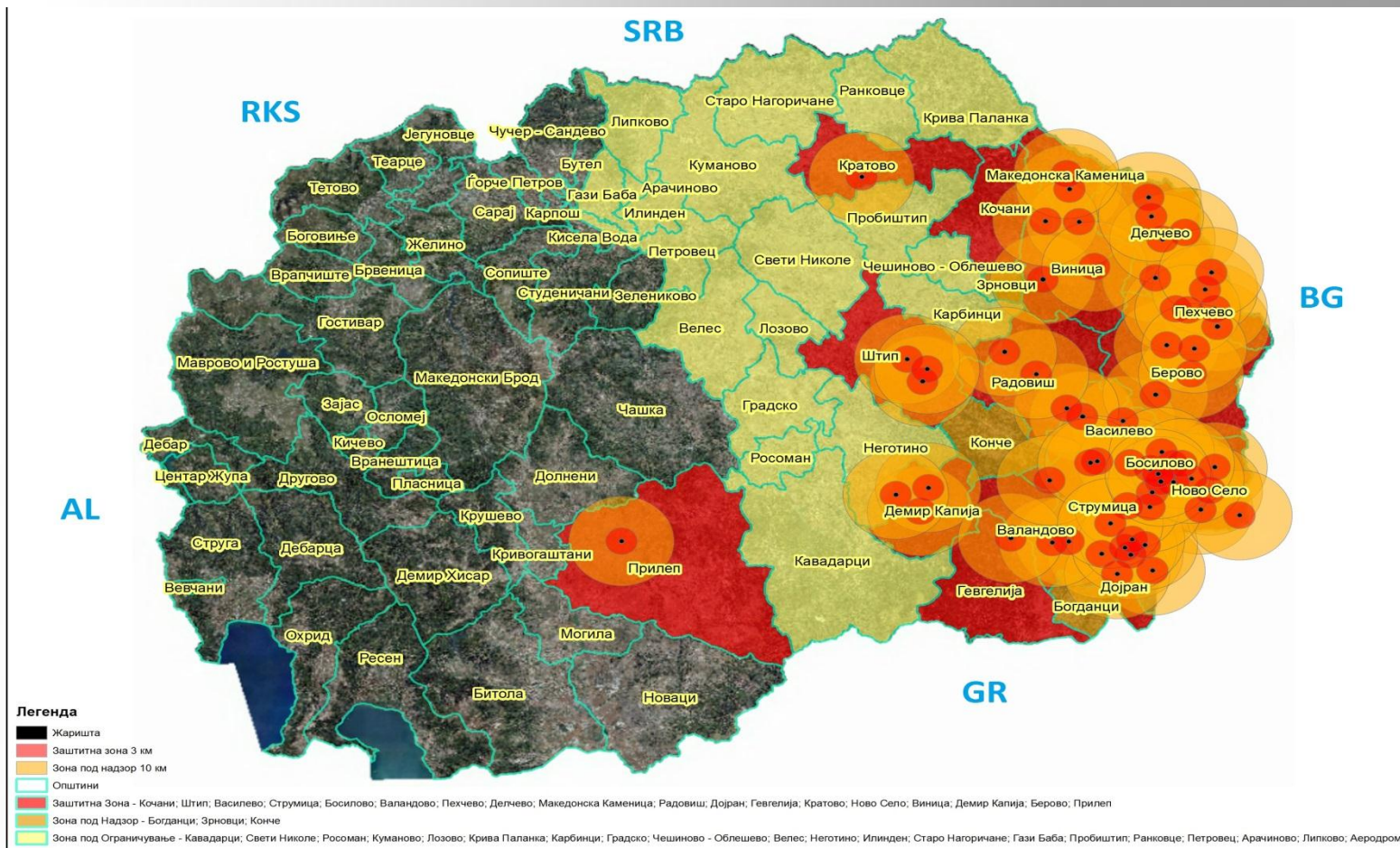
outbreak situation on 16.05.2016



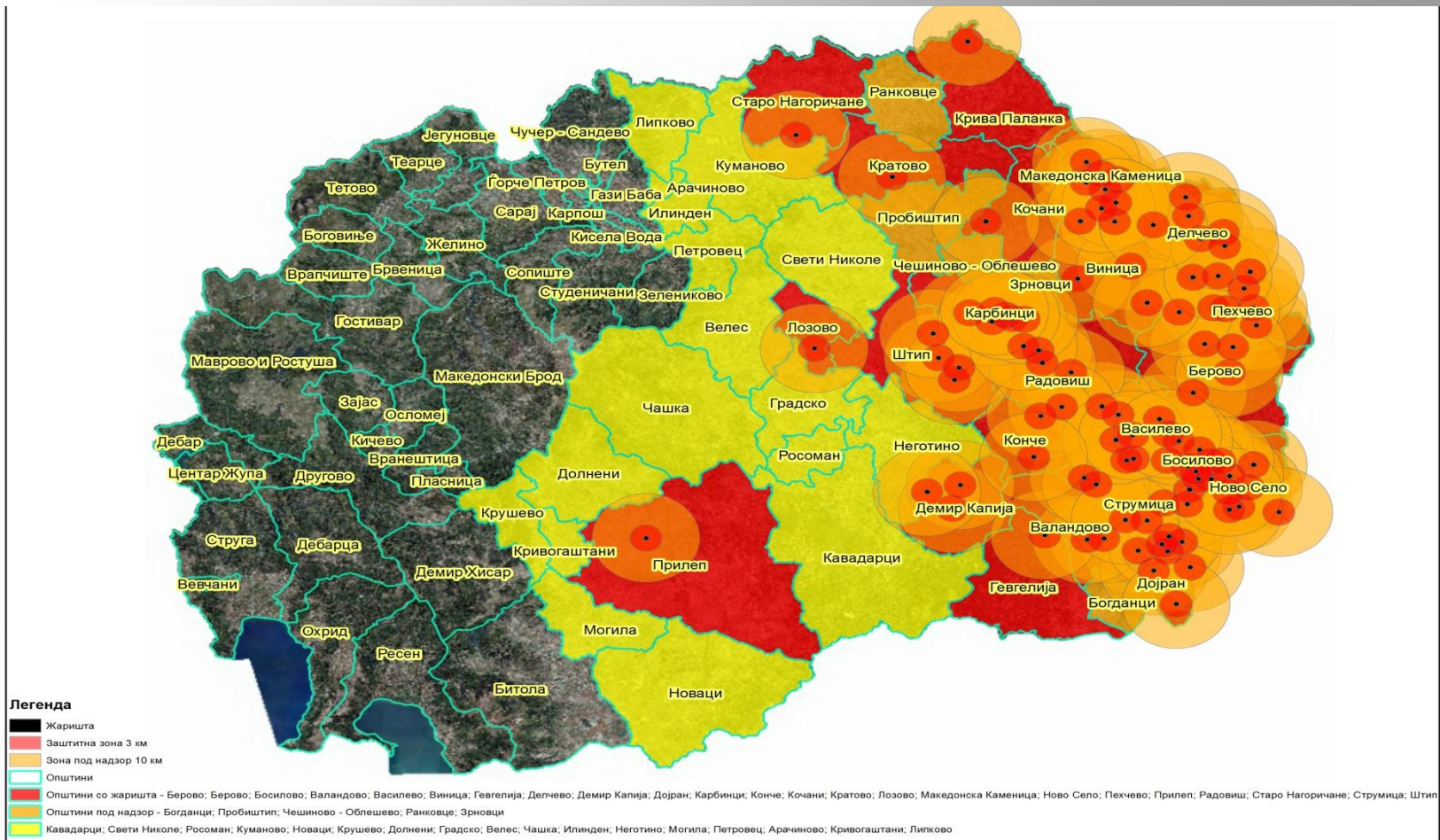
outbreak situation on 23.05.2016



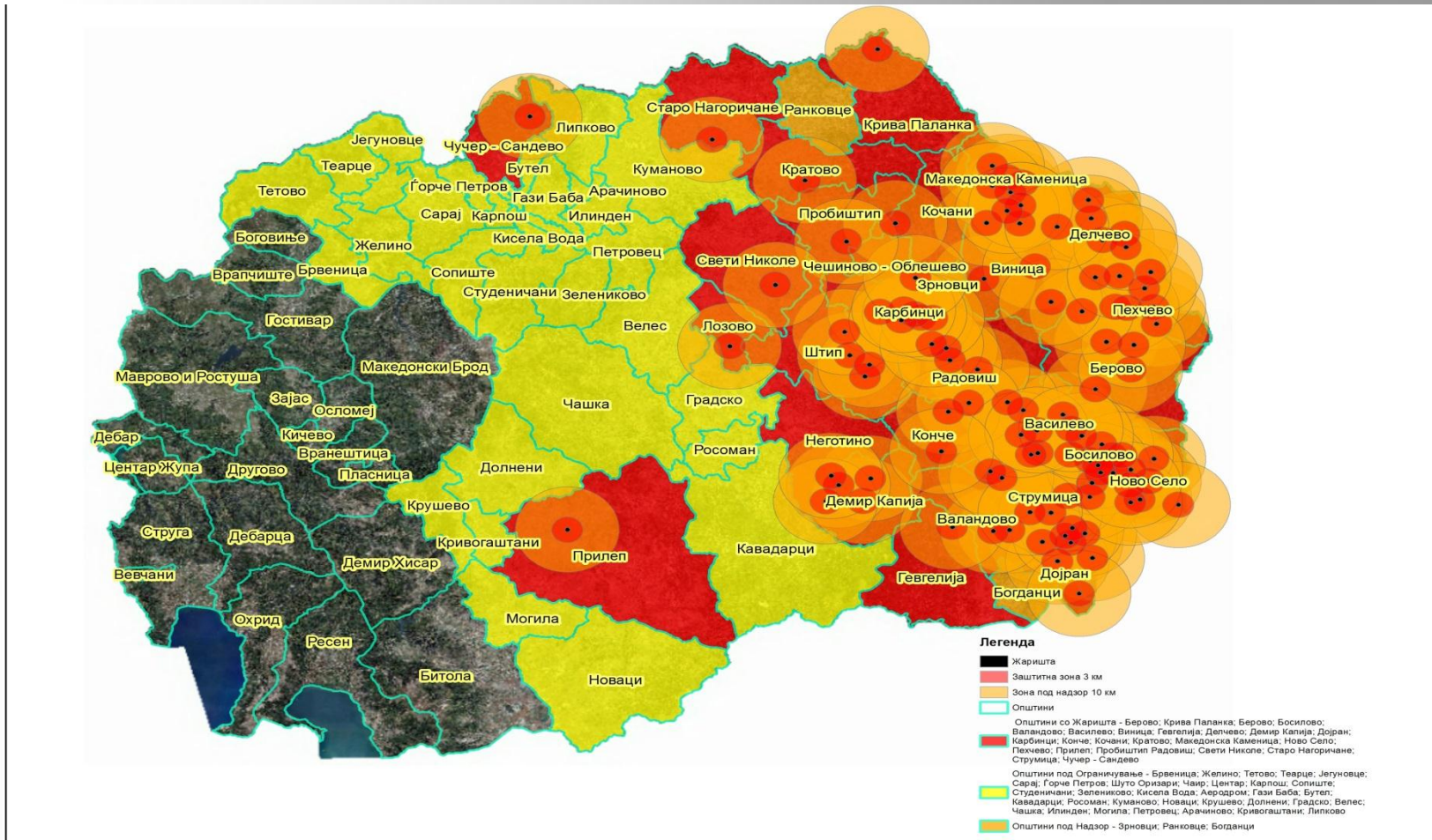
outbreak situation on 06.06.2016



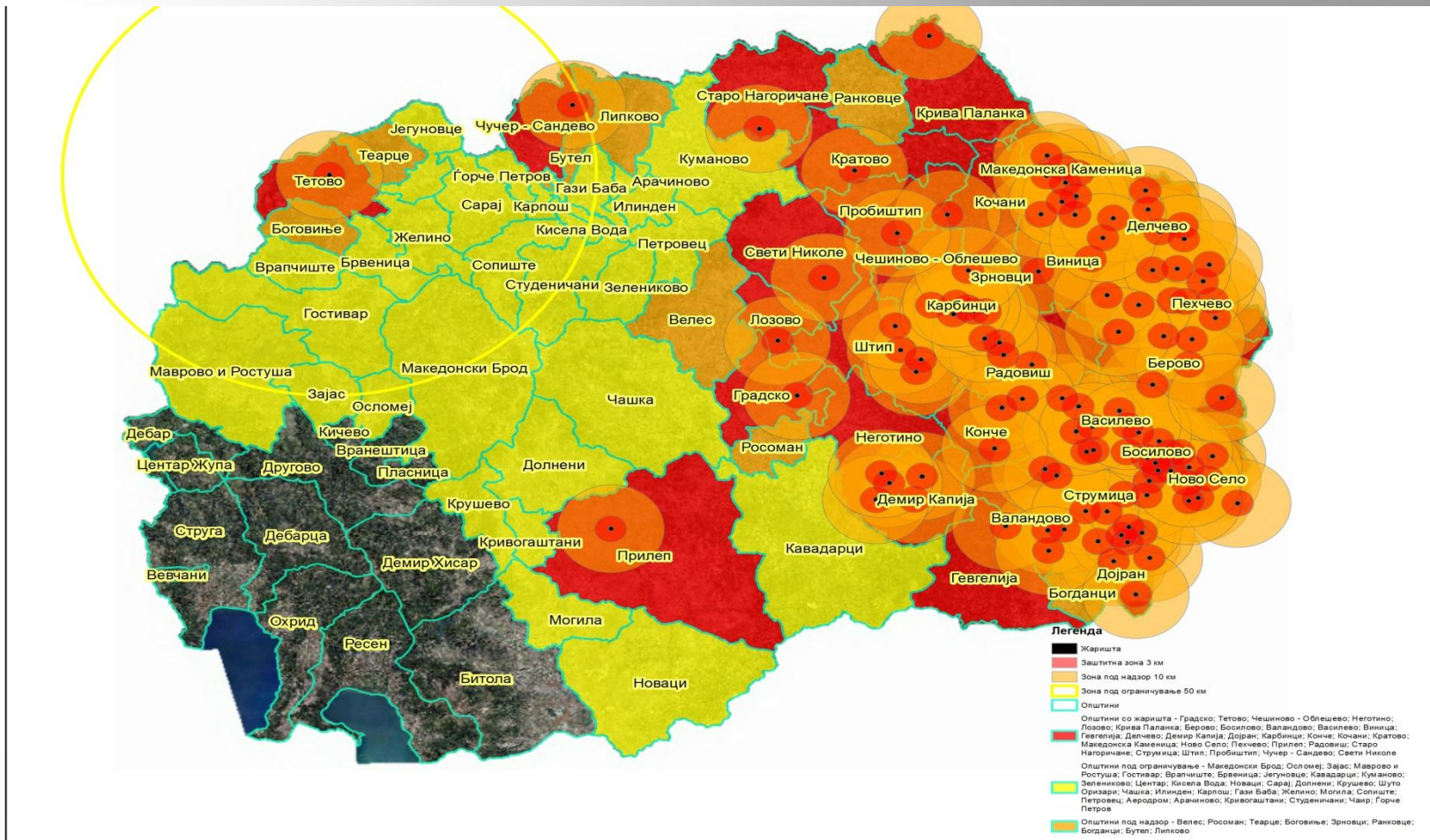
outbreak situation on 14.06.2016



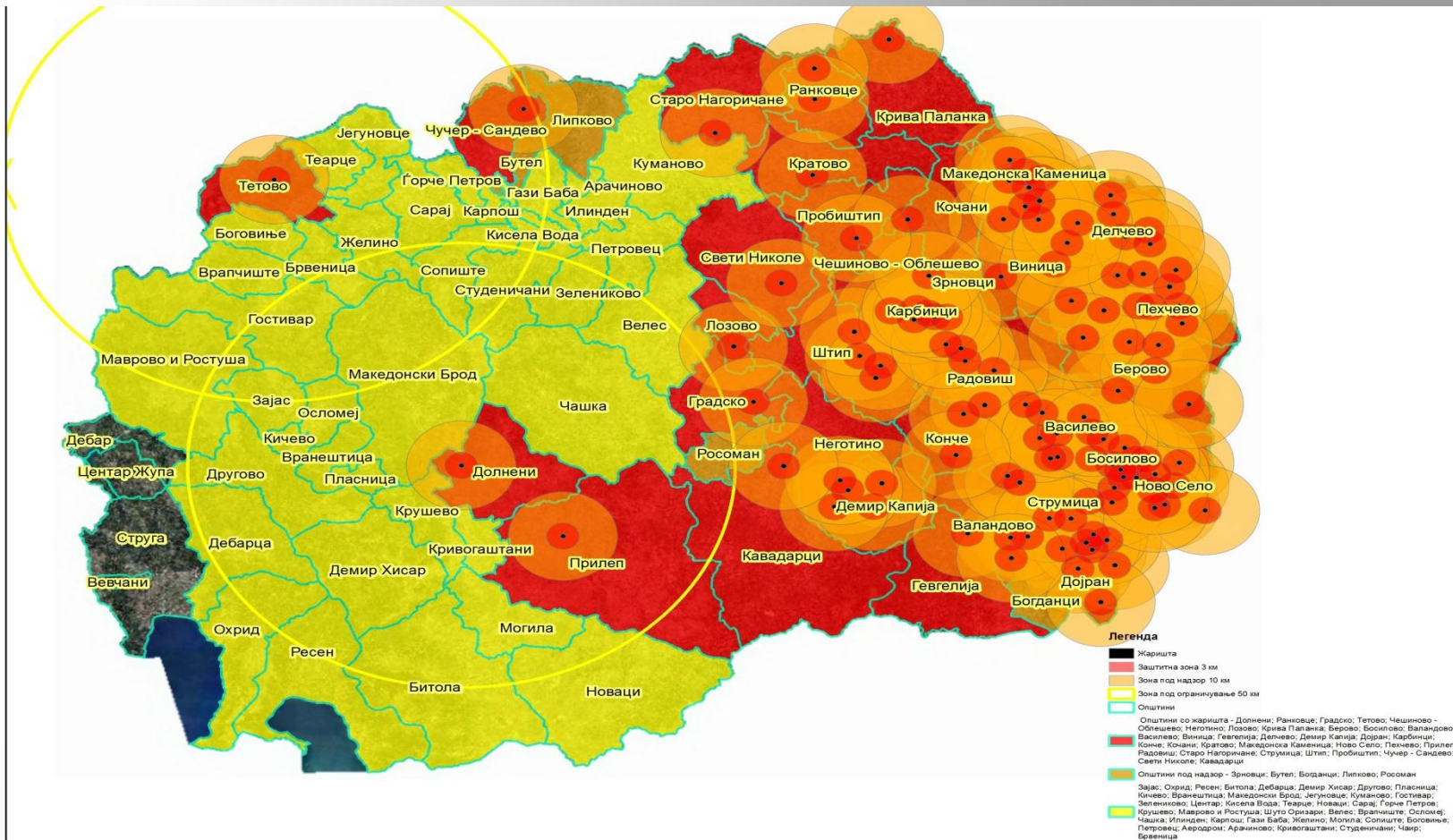
outbreak situation on 20.06.2016



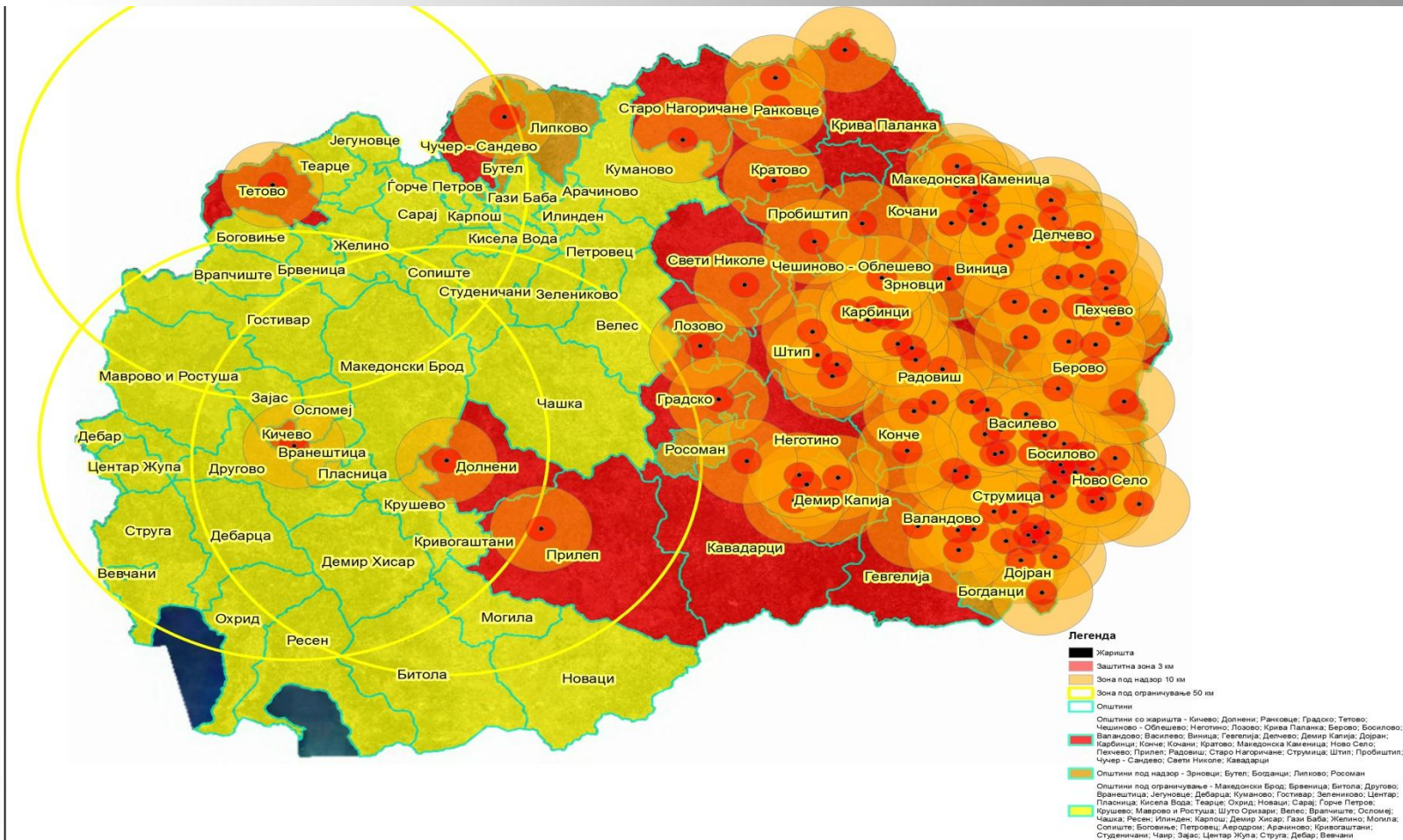
outbreak situation on 22.06.2016



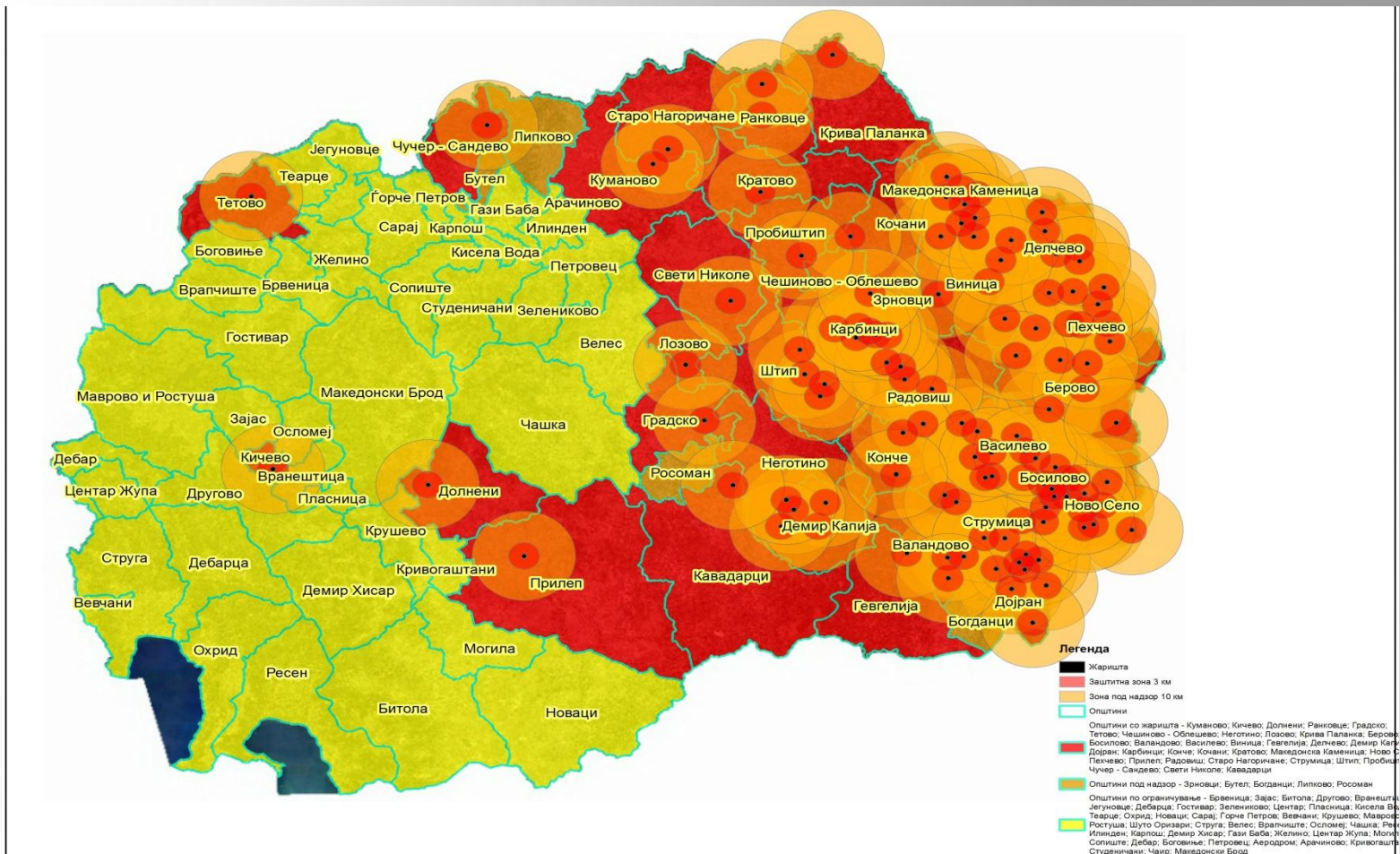
outbreak situation on 24.06.2016



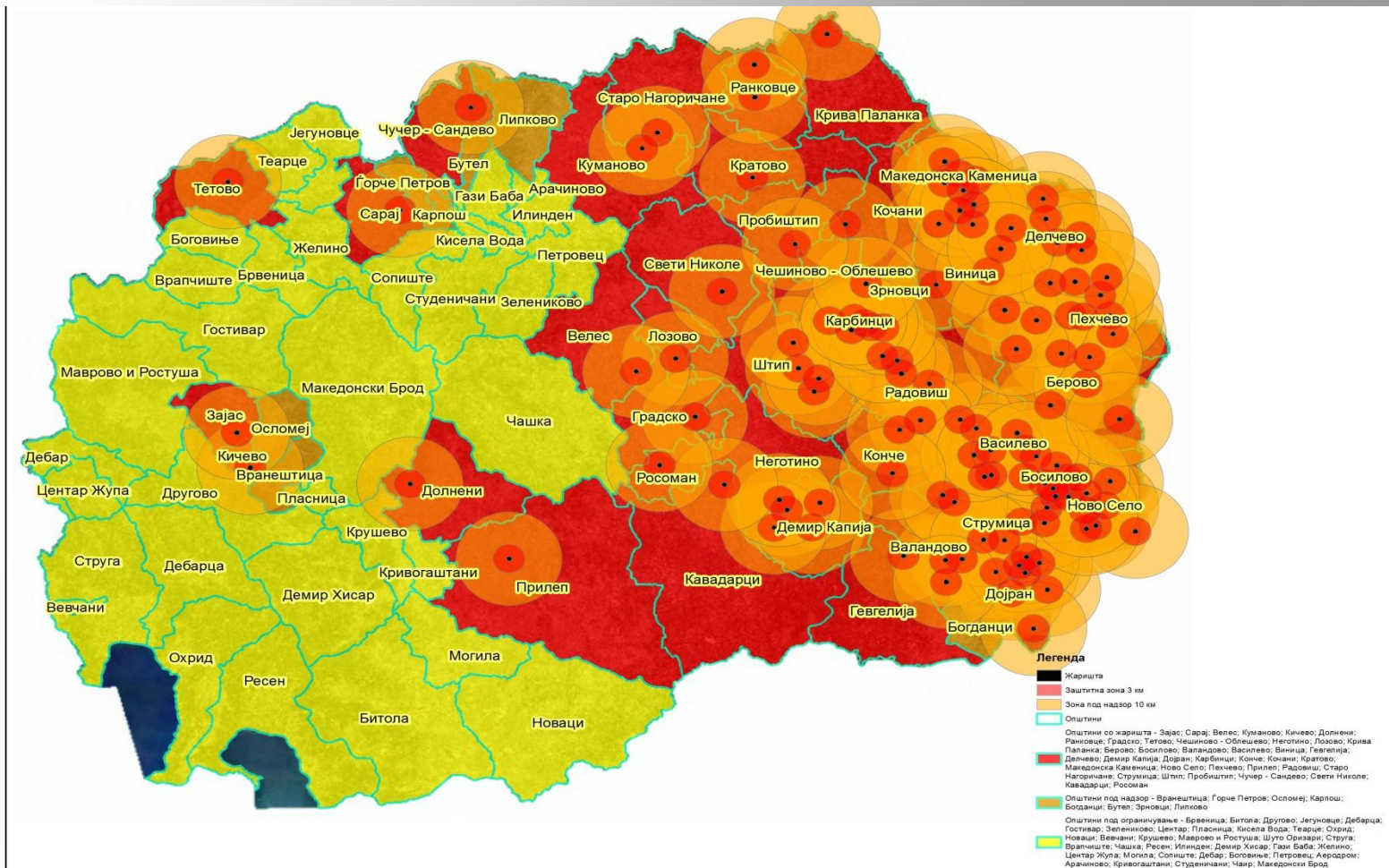
outbreak situation on 27.06.2016



outbreak situation on 28.06.2016



outbreak situation on 30.06.2016



Outbreaks summary until 30.06.2016

Affected holdings	Affected animals	Positive animals	Culled and safely disposed animals
387	10092	564	1150

- Culling and safe disposal of the animals in affected holdings is until 23.05.2016
- Culling and safe disposal of the animals with clinical signs and vaccination of health animals and their isolation from 24.05.2016

Main indicators – 30.06.2016

- Prevalence in animals

	entire country	restricted zones	anim als in holdings	con firm ed cases
anim als	232000	130311	10092	564
prevalence	0,24	0,43	5,59	

- Prevalence on holdings level

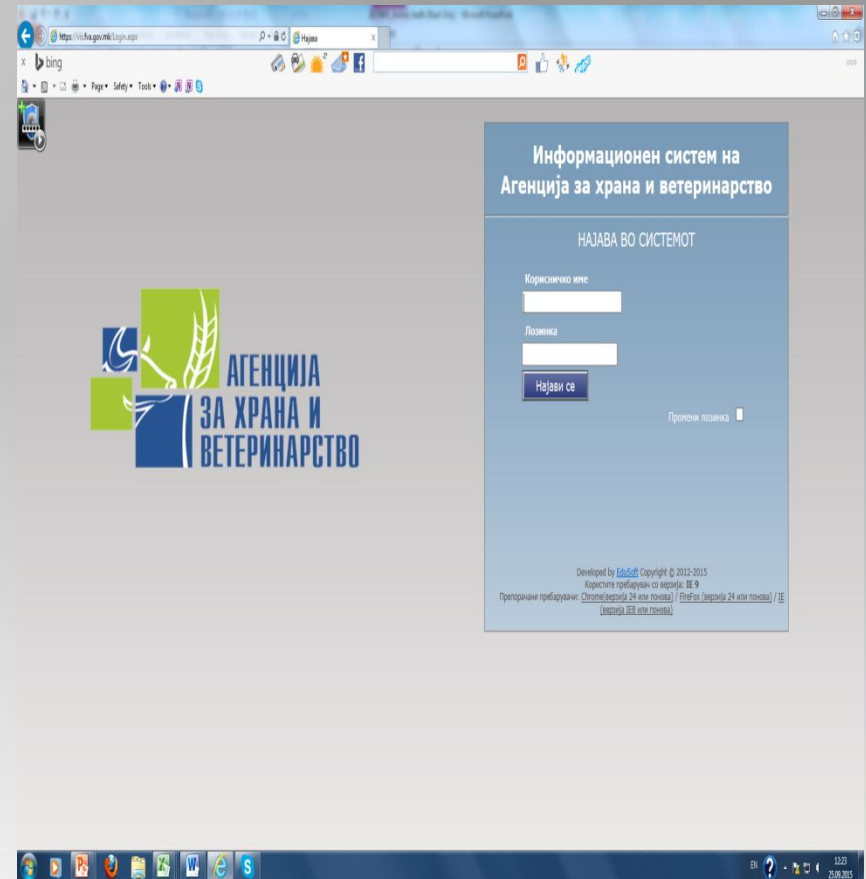
	entire country	restricted zones	con firm ed outbreak
holdings	29000	14823	387
prevalence	1,33	2,61	

Food and Veterinary Agency Vaccination

- On 24.05.2016 FVA have started with the vaccination of the animals in the restricted zones with the LSD vaccine
 - 50 000 vaccines from EU donation, live attenuated virus vaccine against LSD (Neethling strain), 'Lumpy Skin Disease Vaccine For Cattle', Onderstepoort Biological Products, South Africa.
 - Vaccination in accordance with the vaccination plan containing main features from the Decision 2015/2055
 - Additional instruction for the PVP
 - Differential diagnostics of new outbreaks
- On 27.06.2016 FVA have started with the vaccination of the animals in the rest of the country
 - 250 000 vaccines has been purchased, Alternatively: live attenuated virus vaccine against LSD (SIS type), 'Lumpyvax', MSD Animal Health, Intervet, South Africa
 - Vaccination in accordance with the vaccination plan containing main features from the Decision 2015/2055
 - Additional instruction for the PVP

Information system of Food and Veterinary Agency

- All vaccinated animals are identified in the **Information system of the FVA (ISFVA)**
- Veterinary Information system is covering animal health, veterinary public health and food of non animal origin, and keeping records, collect data of sampling for laboratory examination and results of testing.
- Connected with the Laboratory Information System (LABIS).
- Database for identification and registration of animals is also an integral part of this information system.
- Veterinary Information System (ISFVA), a system that is intended as a tool to support the implementation of activities for animal health protection in the daily work:
 - Private veterinary organisations;
 - Official veterinarians and
 - National Reference Laboratory FVM Skopje



Thank you !

