



# Situation on LSD in Croatia in 2017. and future perspectives



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# Farm/cattle numbers

Year	Number of farms	Number of cattle
01.01.2017.	<b>27.904</b>	<b>418.248</b>
	Number of vaccinated farms	Number of vaccinated cattle
01.01.-31.12.2016.	<b>28.687</b>	<b>432.570</b>

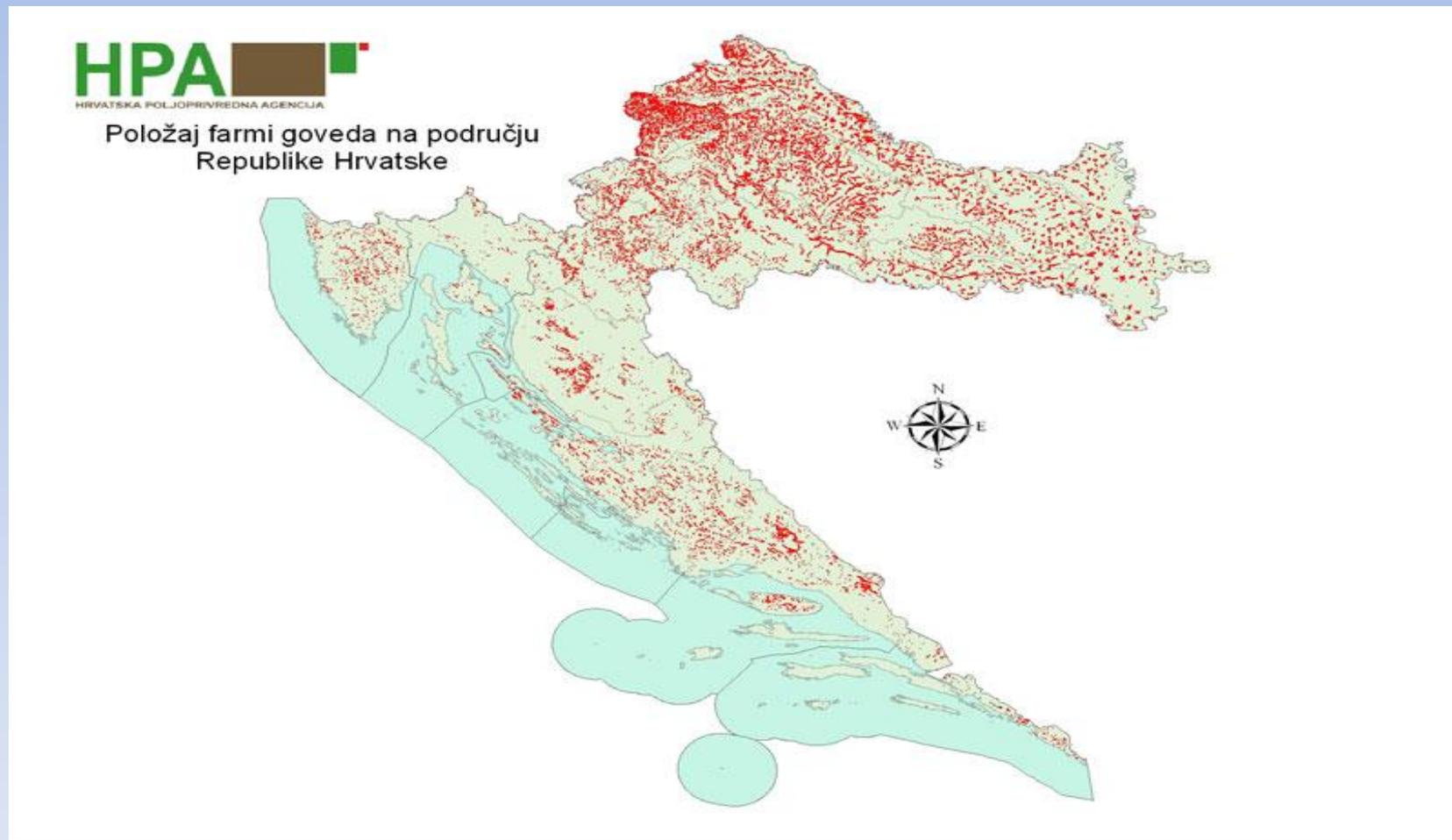


# Export/import data

Year	Number of cattle entered in Croatia from another EU Member States	Number of cattle exported from Croatia
2015.	101.750	26.817
2016.	98.958	38.605
I-IX 2017.	75.604	22.611

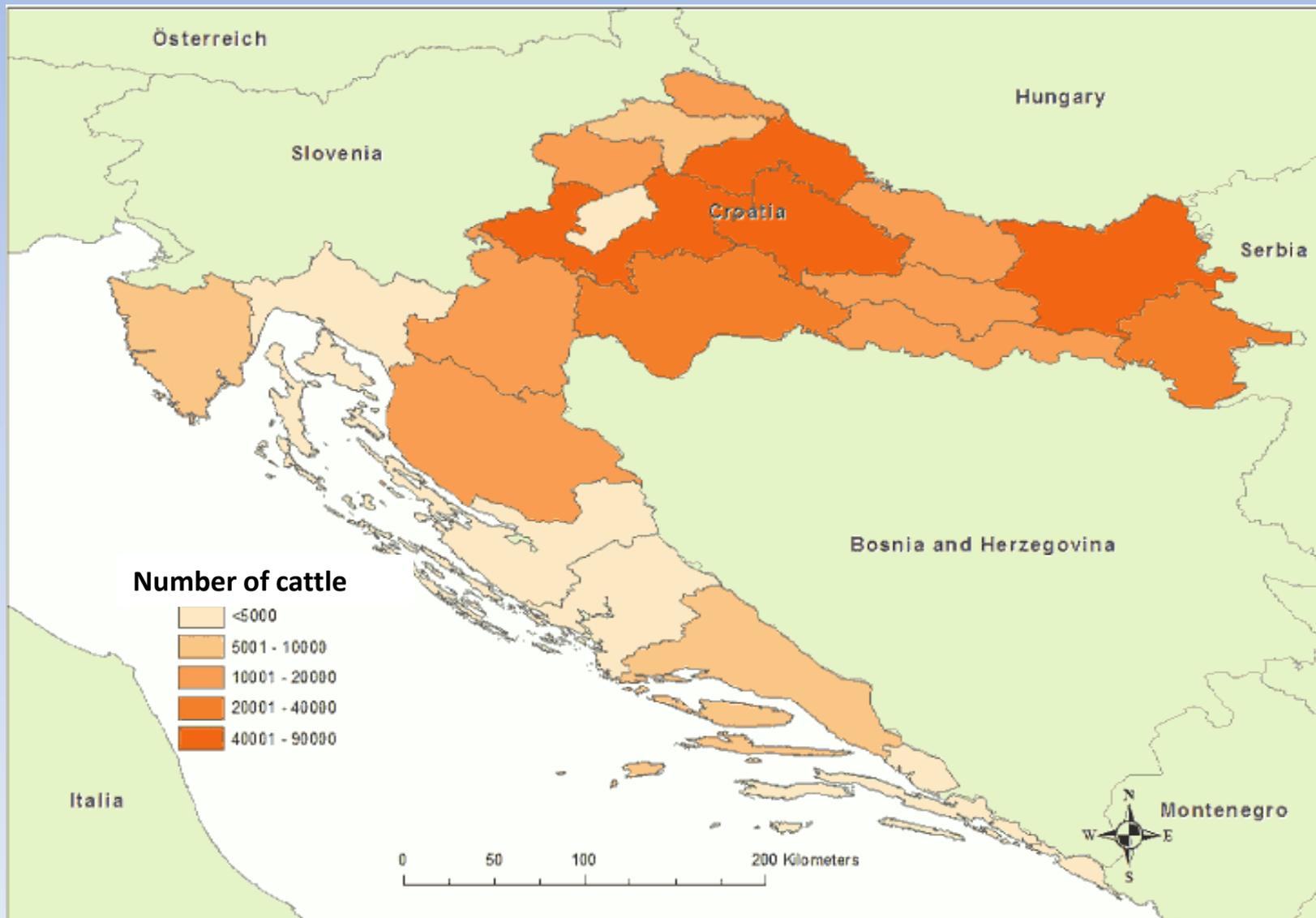


# Distribution of cattle farms on territory of Croatia



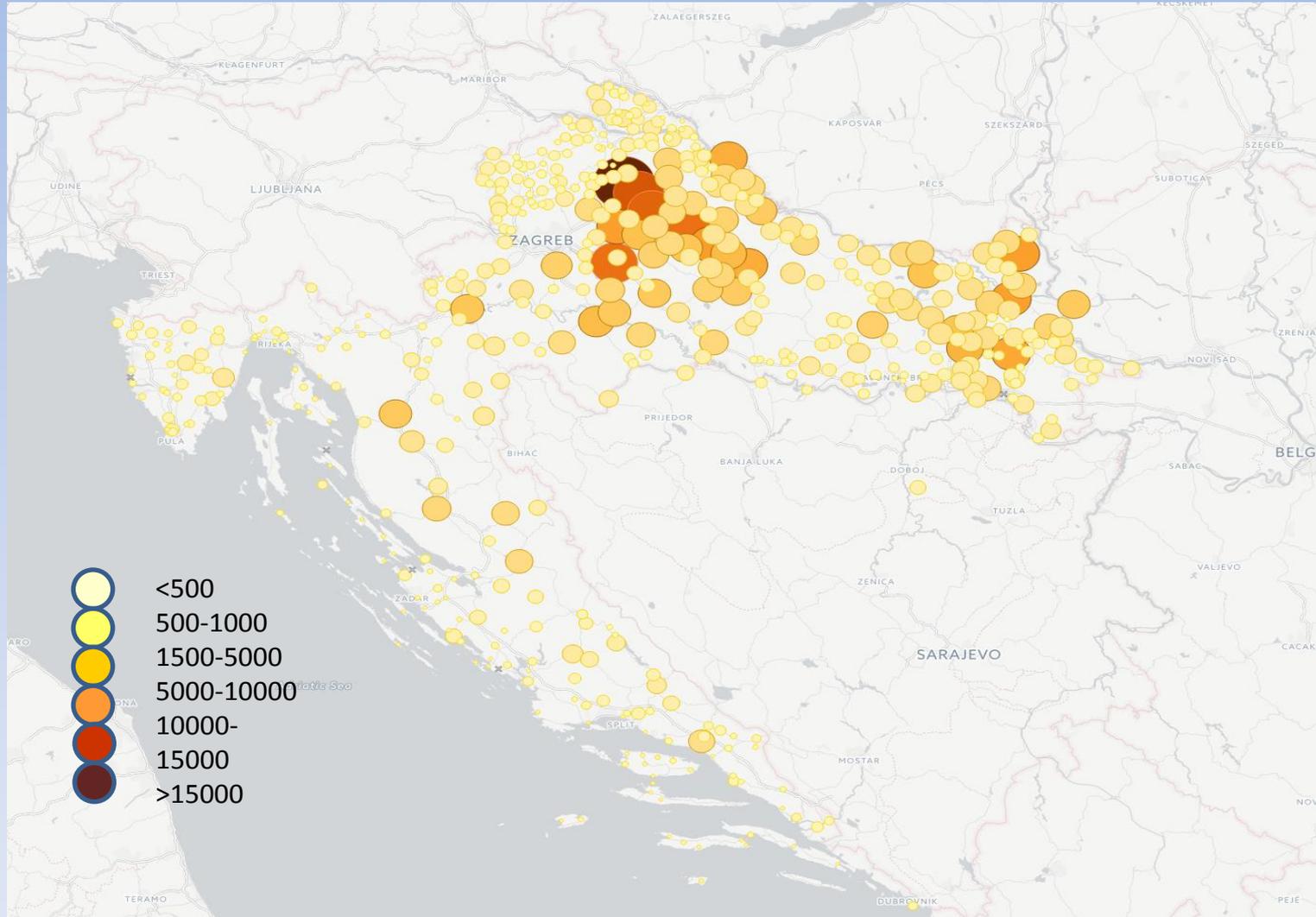


# Distribution of cattle (density of cattle population) on territory of Croatia (county level)





# Distribution of cattle (density) on territory of Croatia (municipality level)





# Vaccination strategy in 2017.

- **Changes based on risk analysis**
- Epidemiological situation in SE Europe
- Results of analysis of side effects of vaccination in 2016.



## Vaccination strategy in 2017. (2)

### - **Ordinance (Official gazette 05/2017 from 11th January)**

- (1) All cattle must be vaccinated in period between 1st May and 31st July
- (2) Newborn calves from cows vaccinated 28 or more days before calving are considered to be immune until the 4 month of age and must be vaccinated after that period. Newborn calves from cows vaccinated in period shorter than 28 days before calving, must be vaccinated in age of 15 to 21 days.
- (3) All unvaccinated cattle entered from another MS or imported from third countries, must be vaccinated in period between 15 and 60 days after entering in Croatia.



## Vaccination strategy in 2017. (3)

- **Official recommendations (April 2017.) – Amendments of Ordinance (OG 41/17)**
- Priority must be vaccination of non-immune animals (newborn, imported)
- Immune animals should be vaccinated in period less than 12 month after first vaccination
- Campaign must be finished until 30th November – all cattle must be vaccinated



## Vaccination strategy in 2017. (4)

- **Main changes comparing with 2016. campaign**
- Postponed vaccination – cows/heifers in period from 7 month of gestation to 1 month after calving should be vaccinated after that period (period between vaccination and revaccination should not be longer than 12 months)
- Entered/imported unvaccinated animals should be vaccinated in period between 15 and 60 days after entering/import
- Reimbursement for treatment of side effects occurred within 14 days after vaccination

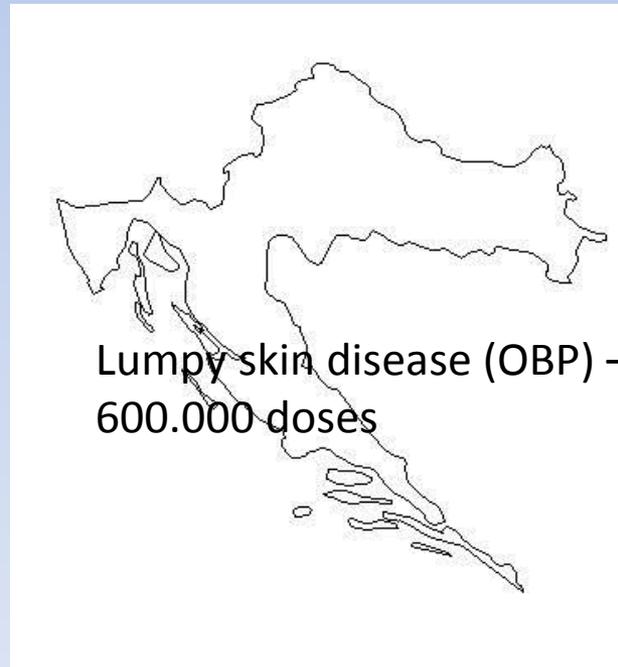


# Vaccination strategy in 2017. - vaccine (4)

**2016.**



**2017.**





## Vaccination strategy in 2017. (5)

- **Organisation and recording**
- Performing of vaccination – authorised veterinary organisations only
- Efficient and up to date database
- Recording of all vaccinated animals, postponing of vaccination
- All data regarding vaccination available at any time to competent authority



## Vaccination strategy in 2017. (6)

- **Campaign flow**
- Revaccination mainly started in July
- Until 10th October 360.000 animals vaccinated (86%)
- Adverse effects – less common



# Programme for the control of LSD in Croatia for 2018th

## **Aim of the Programme in 2018**

- to stop the vaccination
- to regain status of free country



# Programme for the control of LSD in Croatia for 2018th (2)

## Surveillance to be conducted in 2018

- measures for early detection of disease in high risk areas
- control of immunity

54 holdings QPCR testing – from June to October

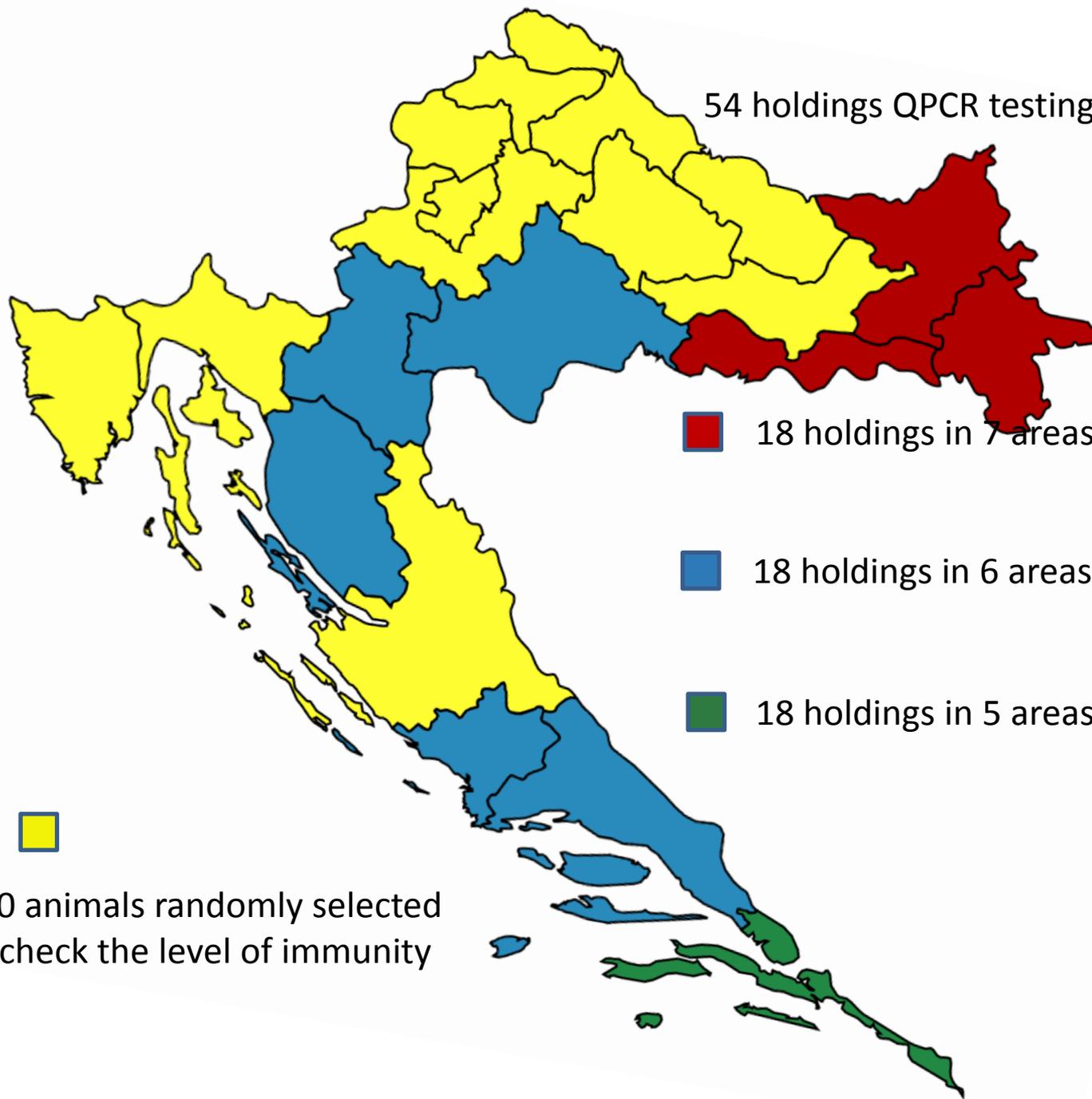
18 holdings in 7 areas – from 21-30 th June

18 holdings in 6 areas – from 1-10 th June

18 holdings in 5 areas – from 11-20 th June



400 animals randomly selected to check the level of immunity



**Yearly replacement rate**

**51%**



100.000 entered animals



120.000 newborn animals

1st June – 110.000 new animals (25%) – non immune 50.000 (11,7 %)

