**REPUBLIC OF CROATIA
MINISTRY OF AGRICULTURE
VETERINARY AND FOOD SAFETY DIRECTORATE**

THE CROATIAN NATIONAL INFORMATION SYSTEM FOR REGISTERING THE VACCINATION AND TAGGING OF DOGS, CATS AND DOMESTIC FERRETS

Second OIE Regional Workshop on stray dog population management for Balkan countries (SDB2)

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EU Legislation

- REGULATION (EU) No 576/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 June 2013 on the non-commercial movement of pet animals and repealing Regulation (EC) No 998/2003

EU Legislation

- COMMISSION IMPLEMENTING REGULATION (EU) No 577/2013 of 28 June 2013 on the model identification documents for the non-commercial movement of dogs, cats and ferrets, the establishment of lists of territories and third countries and the format, layout and language requirements of the declarations attesting compliance with certain conditions provided for in Regulation (EU) No 576/2013 of the European Parliament and of the Council

VETERINARY ACT

- All dogs must be identified in the stipulated manner.

- All identified dogs must be entered registered in the dog register and the dog holder must have a stipulated document on the registration and vaccination of the dog against rabies.

VETERINARY ACT

- Vaccination of dogs, keeping of the dog register and issuing the stipulated documents is the obligation of the authorised veterinary organization.

VETERINARY ACT

- The central dog register is kept by the Directorate.

- The costs of registration of dogs, compulsory identification of dogs and issuing of official documents are paid by the holders.

VETERINARY ACT

- Dog holders are obliged to register the acquisition or cancel registration of dogs in the event of any loss of the animal (disappearance, sale, gift, death) within 14 days from the loss event to a legal or natural person authorised for registration in the central dog register.

Model Passport for the movement of pet animals of the species dogs, cats and ferrets between Member States

EU passport cover: Europska unija / Republika Hrvatska, PUTOVNICA ZA KUĆNOG LJUBIMCA

Pet Passport

The pet passport contain the following information:
- Owner,
- Description of the animal,
- Identification of animal (Microchip number,date of microchiping)
- The vaccination of animals against rabies,
- Serological and additional serological test for rabies,
- Tick treatment
- Echinococcus treatment,
- Other vaccinations,
- Clinical examinations of the animal,
- Legalisation,
- Other.

Identification of dogs

- Dogs must be identified by a microchip not later than 90 days after birth.

- All identified dogs must be registered in the Central Register of Dogs.

The criteria that microchips have to qualify

- Microchip system must be in accordance with ISO standards 11784 and 11785.

- The microchip must contain a unique 15-digit code that is composed as follows:
    - Places 1, 2 and 3 <u>state code</u> – 191 for Croatia in accordance with ISO standard 3166;
    - Places 4 and 5: the manufacturer code (determined by ICAR standard);
    - Places 6-15: single (individual) of the dog.

The criteria that microchips have to qualify

- The identifications system used in the Republic of Croatia shall ensure the uniqueness of microchips. Producer is responsible for the uniqueness of the numbers of microchips.

- In each microchip has to be built-in mechanism that prevents the migration of subcutaneous of dog.

- The microchip must be safe for animals.

- For application of the microchip can be used only applicator for single use.

The criteria that microchips have to qualify

- The microchip is permanent and follows the dog from identifying to death.

Statistica

Year	Number of identified and registered dogs	Percentage
2004.	1615	0,58%
2005.	21880	6,89%
2006.	51629	16,07%
2007.	84445	25,51%
2008.	118337	35%
2009.	144646	42 %
2010.	179806	57%
2011.	353956	93%
2012.	329243	99%
2013.	335702	100%
2014.	350062	100%
2015.	355879	100%

Statistica
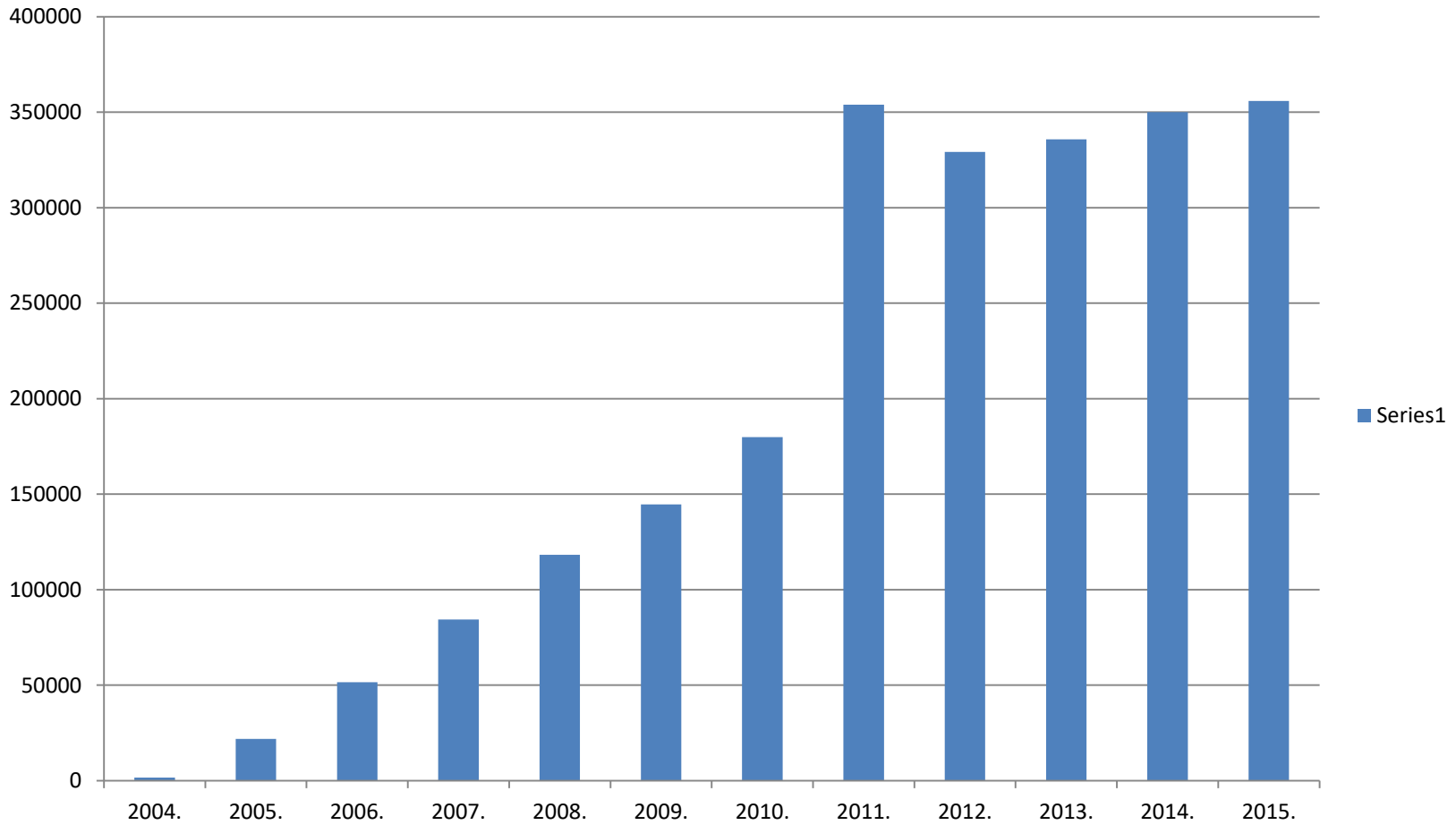
Lysacan IS

- National information system for registering the vaccination and tagging of dogs, cats, domestic ferrets

- Registration of owners, history of ownership

- Registration of responsible veterinary clinic, history of responsibility

- Registration of deaths and disappearances

- Registration of export for dogs

Lysacan IS

- Registration of dangerous dogs

- Registration three-time examinations

- Recording the authorities of the veterinary organization by epizootiological units

- Lysacan system consists of the following modules: (Central record, The inspection module, The administration module, Codebooks, Microchip registration module, Statistical module)

Lysacan IS – Technology history

- in production since 2003 (PHP + mySQL)

- 2011 transferred to a new platform based on Oracle's database SVIS

- 2013 system was rebuilt (Oracle APEX and Oracle databases)

- E-Citizen notification system 2014 (Web services)

- Mobile applications for veterinarians and for public 2016 (iOS, Android)

- IT system is produced and maintained by Croatian software industry leader IN2

E-Citizen integration

❑ In February 2014 Lysacan IS was fully connected with e-Citizen IS through the Personal User Mailbox module, which allowed dog and cat owners to receive notifications in their personal Inboxes from Lysacan system.

Mobile Applications and notification system

❑ In 2016 the system was once again improved with mobile applications in iOS and Android OS. The goal of these mobile systems was to enable greater mobility of veterinarians and allow public population to get in touch with data regarding their pets, as well as notification from the CA and education regarding pet health and nutrition.

❑ System consists of two mobile applications (veterinary and public), and from the back office module integrated into the central system


Back office module

Mobile Application for vets

- Mobile application tracks veterinarian business processes regarding fast identification (using barcode scanner – for reading barcode in pets passport)

- And fast entering of vaccination records in one step

- Application allow veterinarians to search database entering alpha numeric values
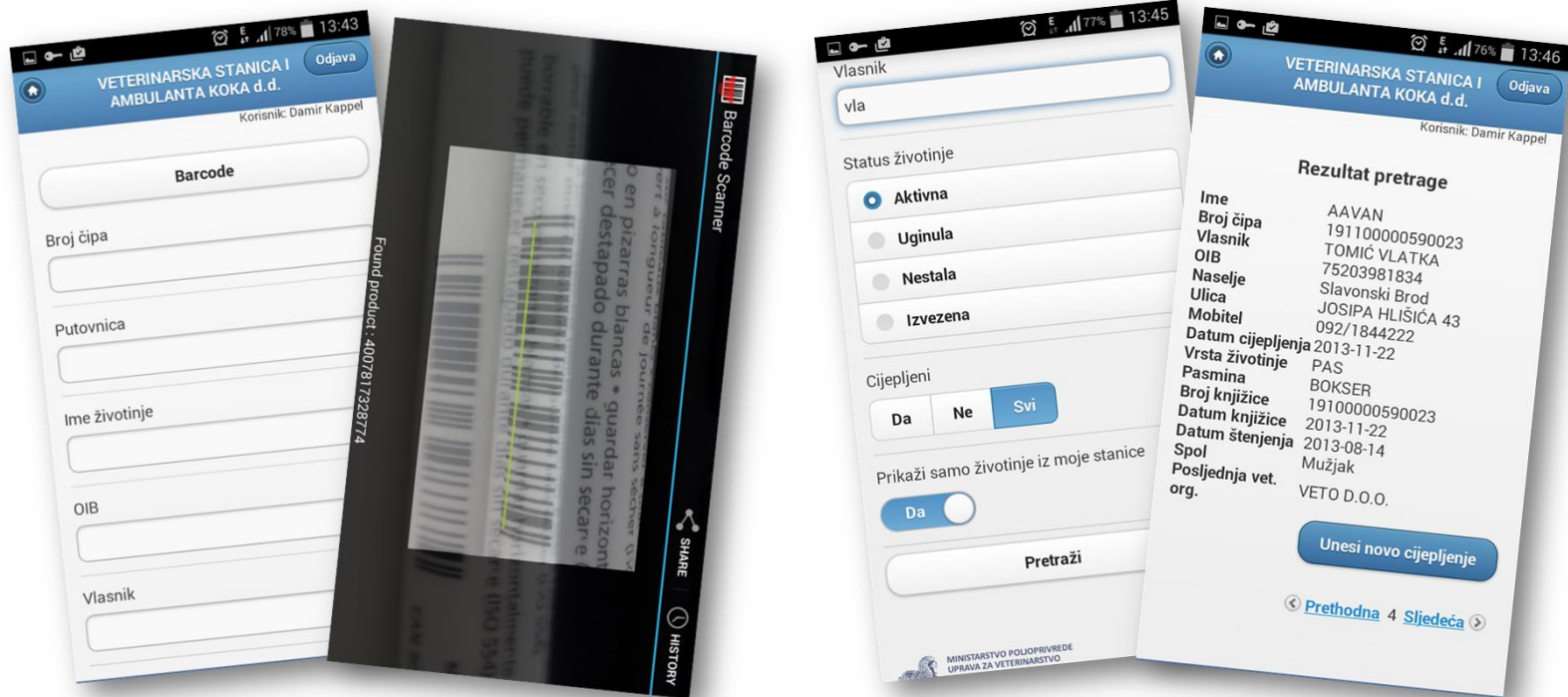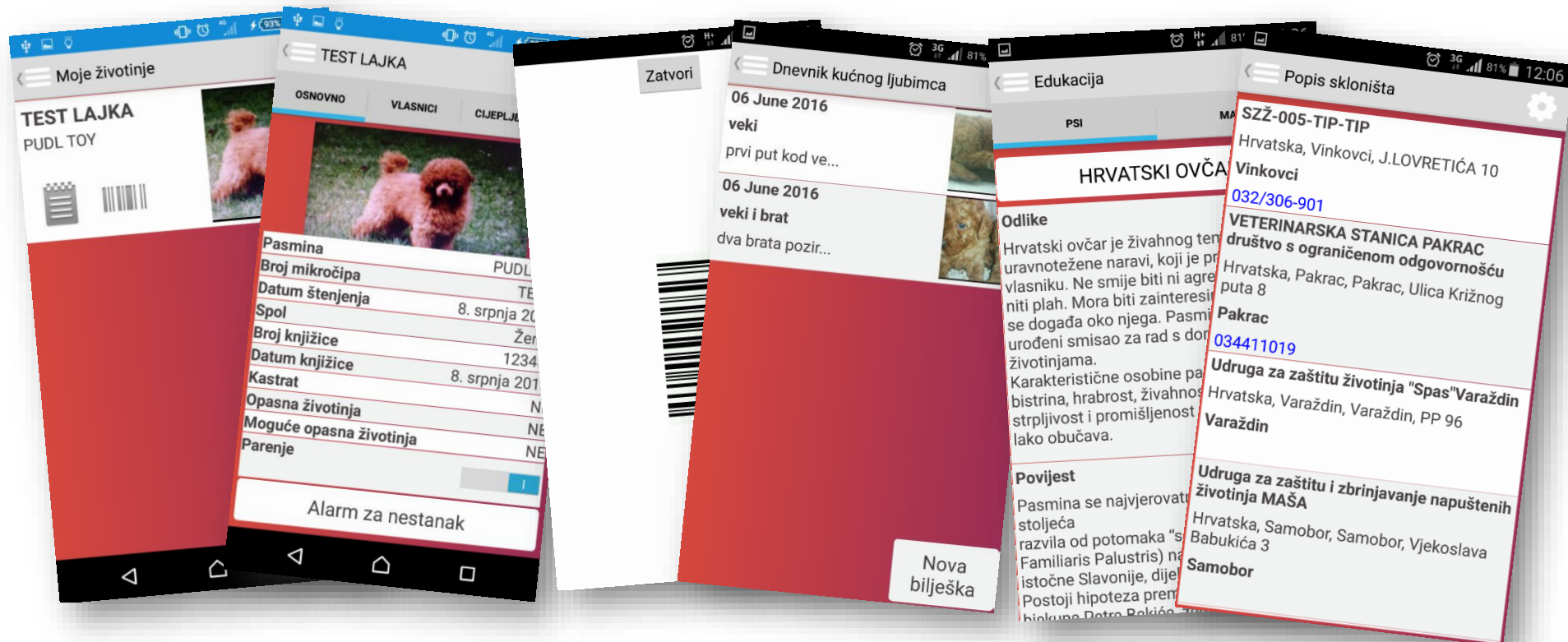
Mobile Application for public

- Users: pet owners, pet shelters, kennel clubs

- Main functionalities: Notification system (CA towards pet owners), alarm for pet disappearance, pet data from Lysacan IS, homing of pets (pet shelters), education of pet owners (kennel clubs), Location based services (nearest veterinary clinic, shelter…)
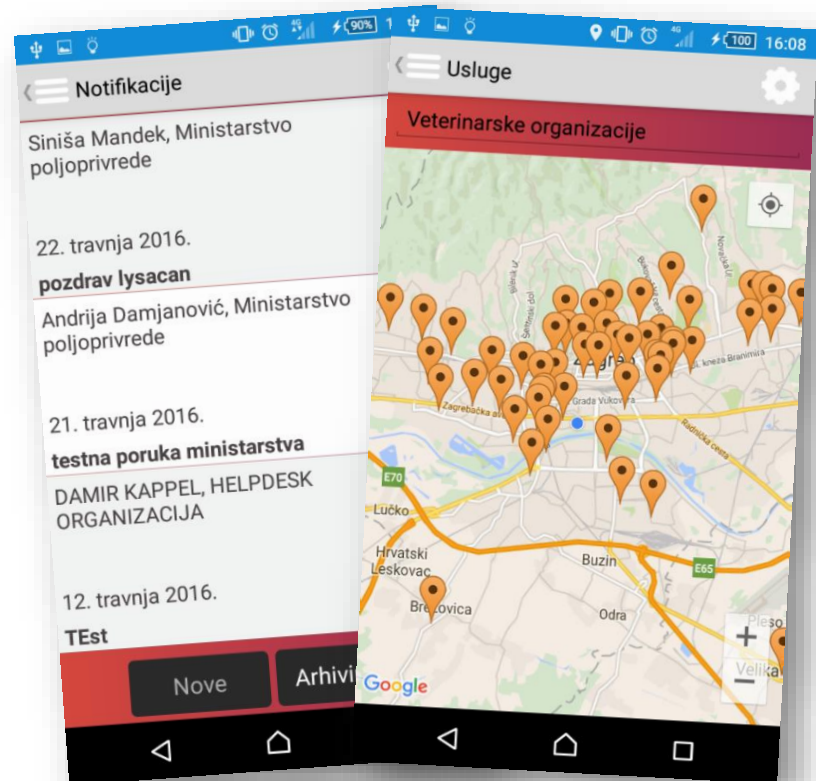
Mobile Application for public

- Other functionalities: Kennel clubs news and Event calendars, owners can run their pet diaries, digital pet passport with barcode

Thank you for attention

More information:
http.//www.veterinarstvo.hr/
http://www.in2.hr/