



# Rabies in Serbia

## One health approach

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# The One Health concept

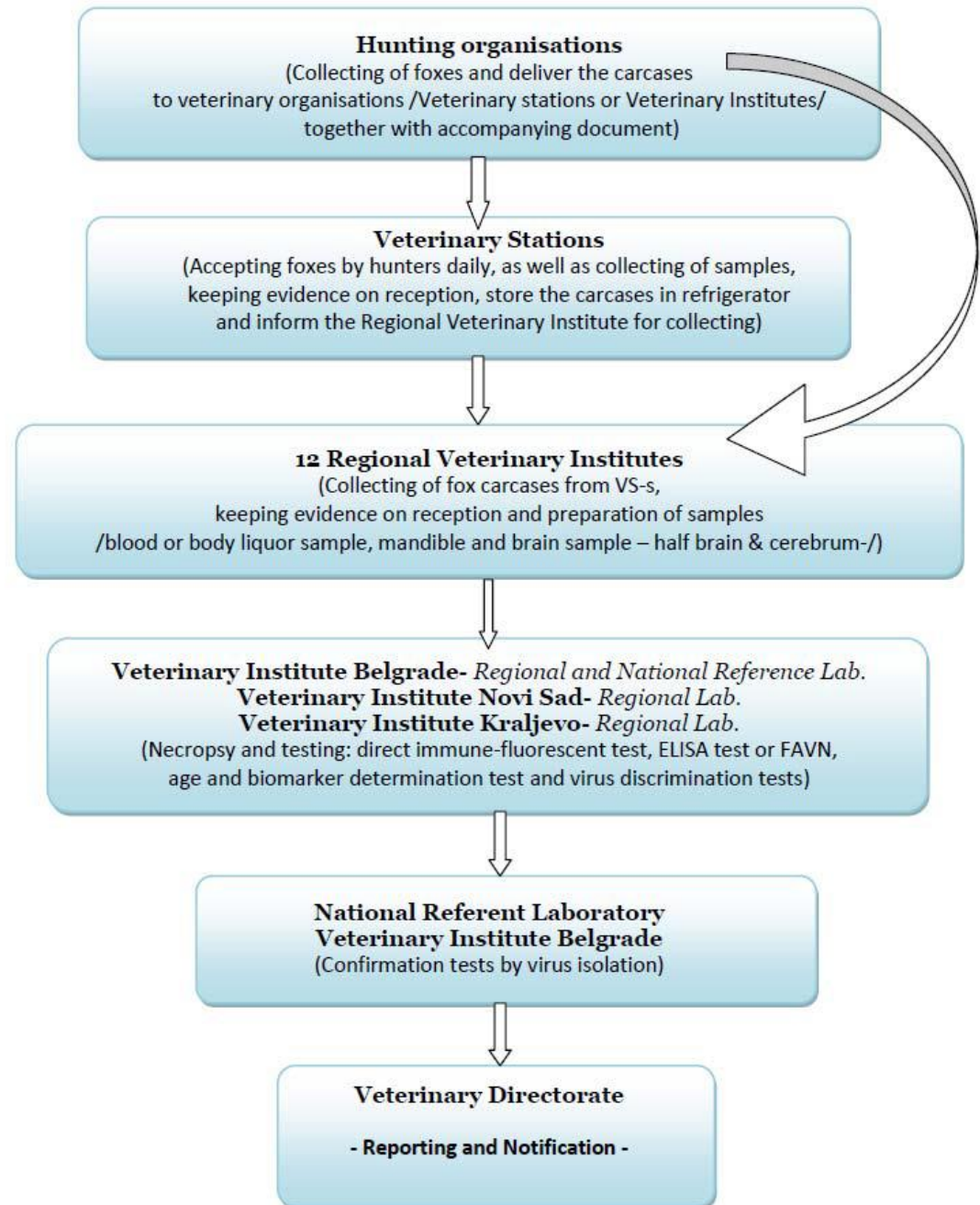
**The One Health approach to managing infectious diseases aims to promote and implement meaningful collaboration and communication between multiple allied disciplines working locally, nationally, and internationally to attain optimal health for people, domestic animals, wildlife, and our environment.**

**Rabies is an excellent example of a disease that can most efficiently and effectively be managed through a strategic application of the concepts of One Health.**

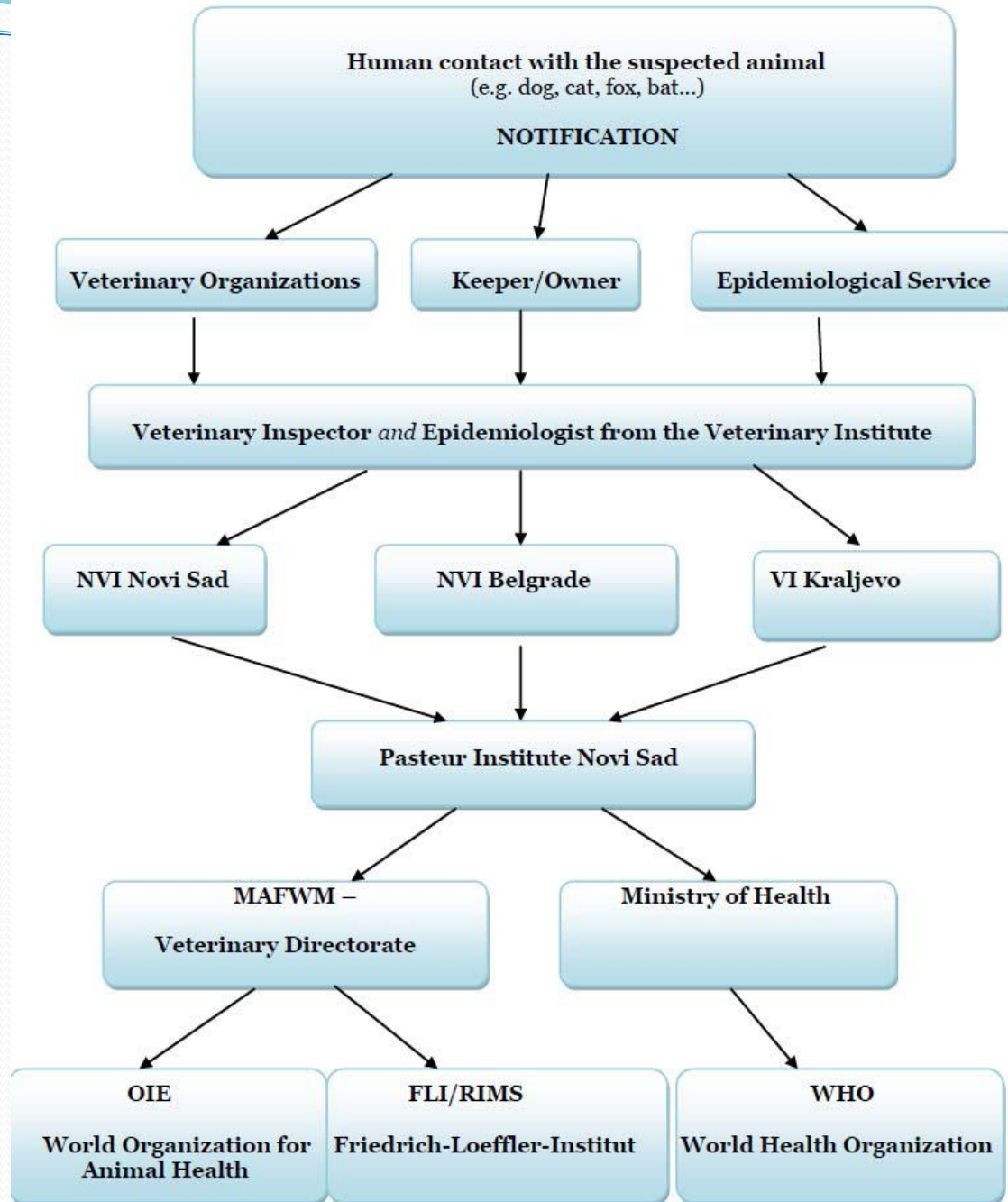
# Stakeholders involved in the control and eradication of Rabies in Serbia

- Ministry of agriculture, Veterinary Directorate
- Ministry of Health and its district units
- Pasteur Institute Novi Sad
- Human health epidemiologists, Ministry of Health
- Anti rabies stations, Ministry of Health /local level/
- Representatives of elementary and secondary schools
- Ministry of Interior and its district units
- Ministry of Environment and ecology and its district units
- Hunting associations - hunters, and other wildlife and forestry authorities in Serbia and its district and local units
- Hunting inspectors, Ministry of agriculture
- National Forestry Administration at the Ministry of agriculture
- Game-keepers
- Communal inspectors
- Local bodies of the executive authorities – district, municipality and settlement level
- Faculty of Veterinary Medicine
- Veterinary Institutes
- Veterinary organisations – public and private practitioners
- Veterinary Inspectors, Veterinary Directorate Ministry of agriculture,
- Local and regional media.

## Activities of different stakeholders in the surveillance system



## Case notification flow of human contact with suspected animals



# Pasteur Institute Novi Sad

## National Reference Laboratory for rabies

EU RABIES TESTING AUTHORISED LABORATORY  
by ANSES-Nancy Laboratory (France)

- Rabies diagnosis (FAT).
- Rabies serology (RFFIT and FAVN test)

(participation in international proficiency testing)

- EU authorized for pre-entry rabies antibody titration test (FAVN test) required for dogs, cats and ferrets entering the EU
- Accredited according to ATS ILAC-MRA **ISO/IEC 17025** for
  - Rabies diagnosis (FAT).
  - Rabies serology (RFFIT and FAVN test)
- Confirmatory tests RTCIT, MIT (FAT negative but human exposure and FAT Inconclusive)
- NIH test -Potency test of rabies inactivated vaccines for veterinary and human use

## Epidemiology department

- **Rabies Surveillance.**  
Gathering all rabies laboratory reports from NRL at Pasteur Institute Novi Sad and from NRL at Scientific Veterinary Institute in Belgrade.  
**Analyzing data, making quarterly reports** to the Ministries of Health and Veterinary Directorate Ministry of Agriculture and for the RBE.
- **All rabies laboratory data - Up to date on daily basis.**
- **Immediate notifying to the relevant antirabies stations** if positive animal rabies case diagnosed - as well as to the veterinary inspector who ordered the sampling of rabies suspected animal.
- **Centralized supply with HRIG and rabies vaccine** each of 27 antirabies stations in Serbia
- **Counseling and pre exposure prophylaxis** of the people at risk (travelers, laboratory staff with continuous risk of rabies, veterinarians, veterinary technicians, forest ranger, animal shelters workers, furriers, bat handlers.
- **Immunity control (RFFIT)** once a year of pre exposure immunized people at risk



# Bite management (antirabies treatment) centers in Serbia

- 27 centers
- All in public sector

Exclusively in:

- Epidemiology Departments of Institutes of public health
- Deapartments of infectious diseases of regional hospitals

