One Health surveillance and Vector monitoring for cross-border pathogens

Project acronym: OH SURVector
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Project description

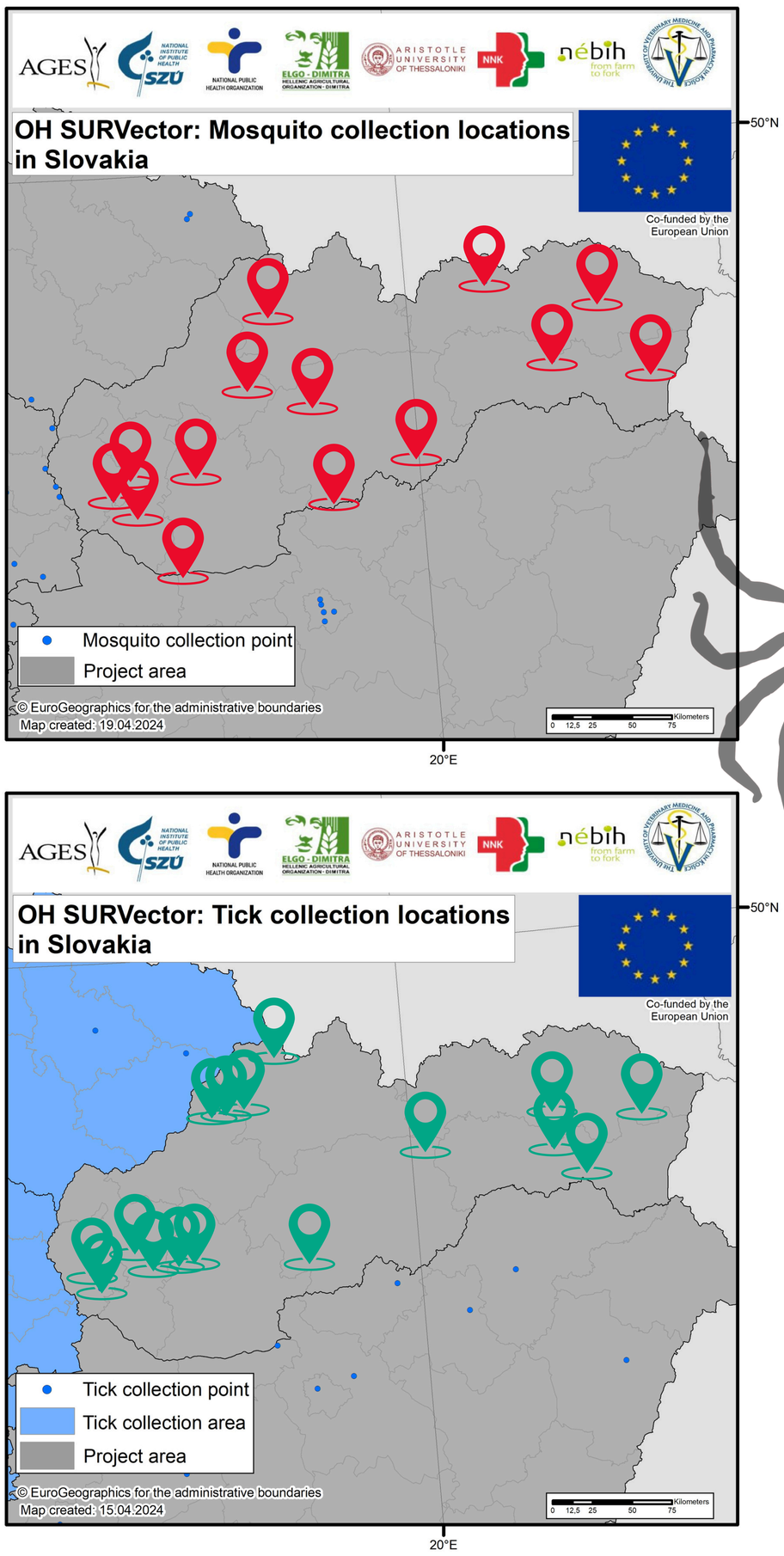
Zoonoses are infectious diseases that can be transmitted between animals and humans. The majority of all human infectious diseases worldwide are caused by zoonotic pathogens. Ticks and mosquitoes can transmit infectious diseases as vectors, thus leading to vector-borne diseases (VBDs). VBDs account for more than 17% of all infectious diseases in humans, resulting in over 700,000 deaths annually. VBDs are largely preventable through vector control. Strengthened monitoring and surveillance systems are key success factors for efficient and targeted vector control.

The overall aim of OH SURVector is to protect the health of humans, animals, and the environment by establishing a nationwide mosquito and tick monitoring system to create a One Health surveillance system for emerging pathogens.

Project objectives

The project focuses on:

- the early detection of changes related to vector and/or pathogen presence in Consortium Member States,
- the early epidemic detection and monitoring of ongoing outbreaks of vector-borne diseases, and
- strengthening the cross-sectoral collaboration on national and cross-border level towards an integrated One Health approach.



The project consortium consists of 8 institutions from 5 EU Member States: Austria (AGES), Czech Republic (SZÚ), Greece (EODY, AUTH, ELGO), Hungary (NCPHP, NFSCO), and Slovakia (UVMP).

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