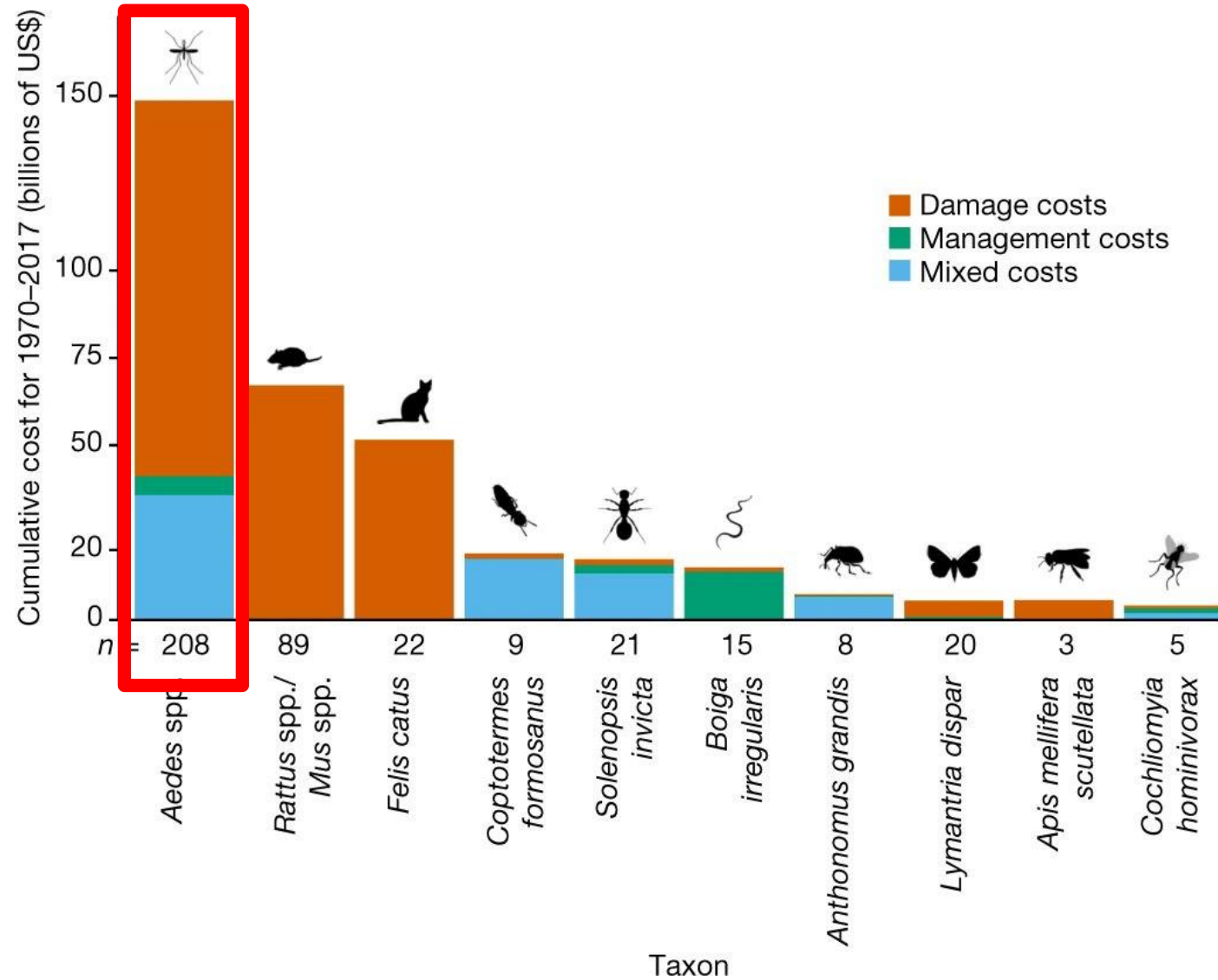


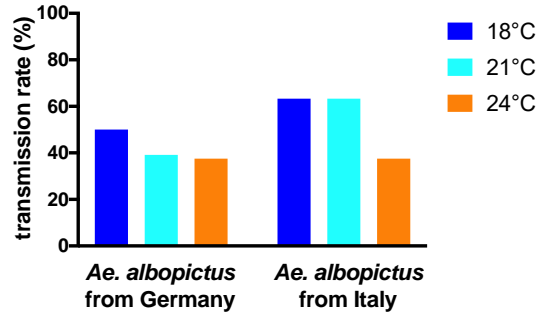
Ecology of mosquito-borne pathogens in Europe

Renke Lühken

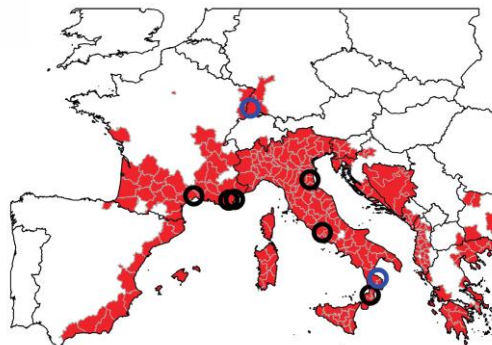
Biological invasion



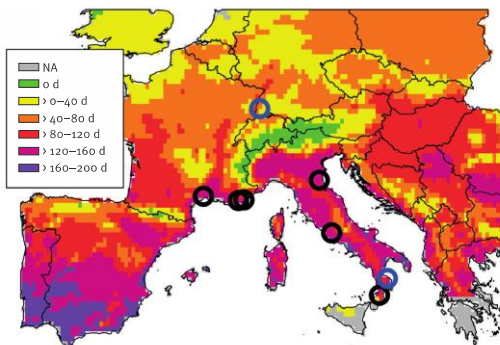
Chikungunya virus outbreaks in Europe



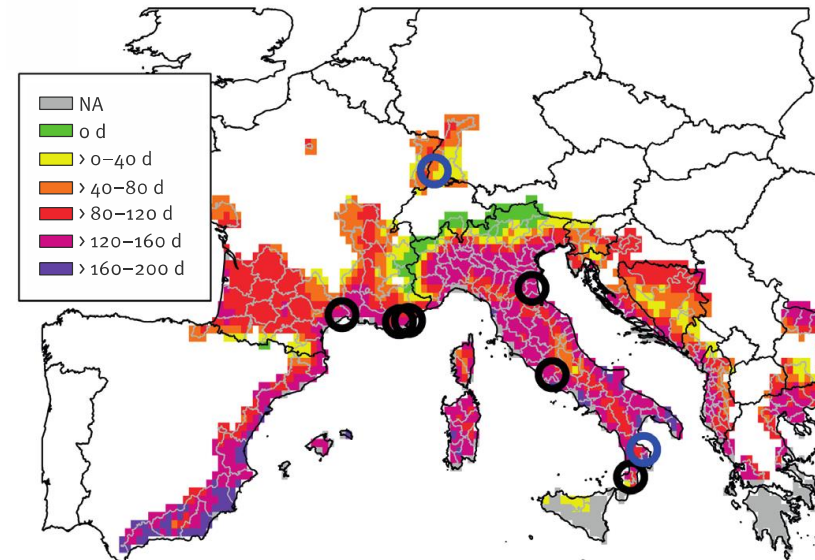
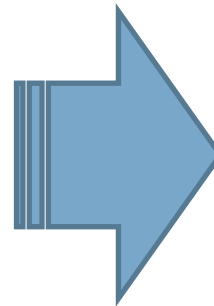
vector
competence
studies



distribution



temperature

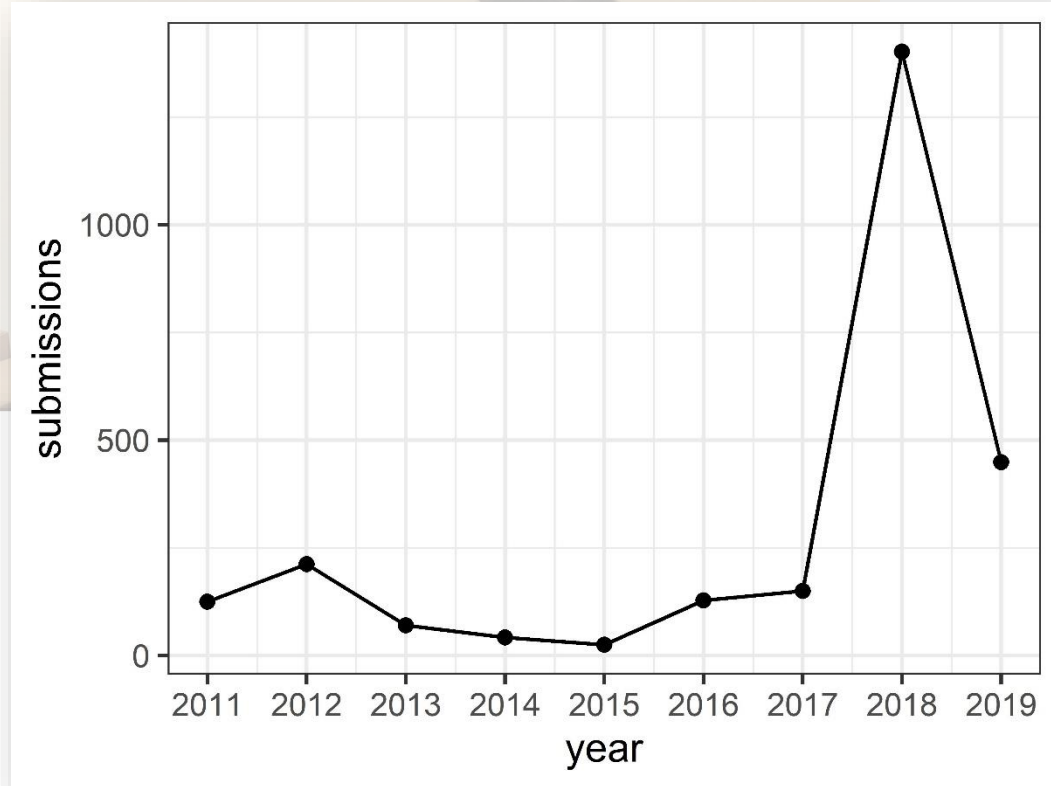
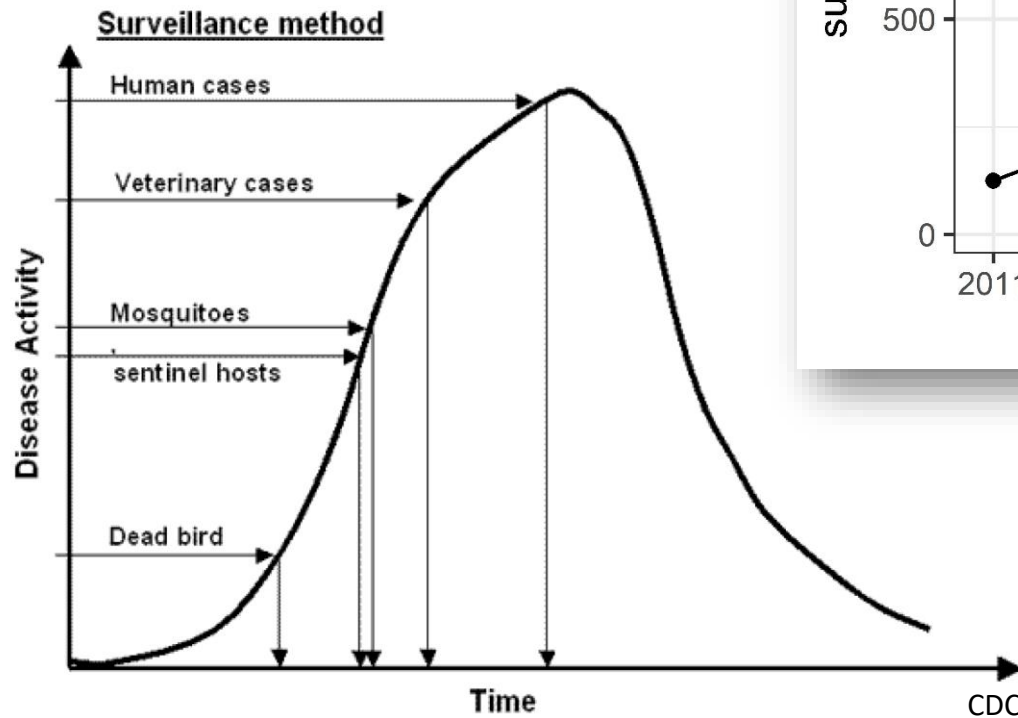


risk analysis

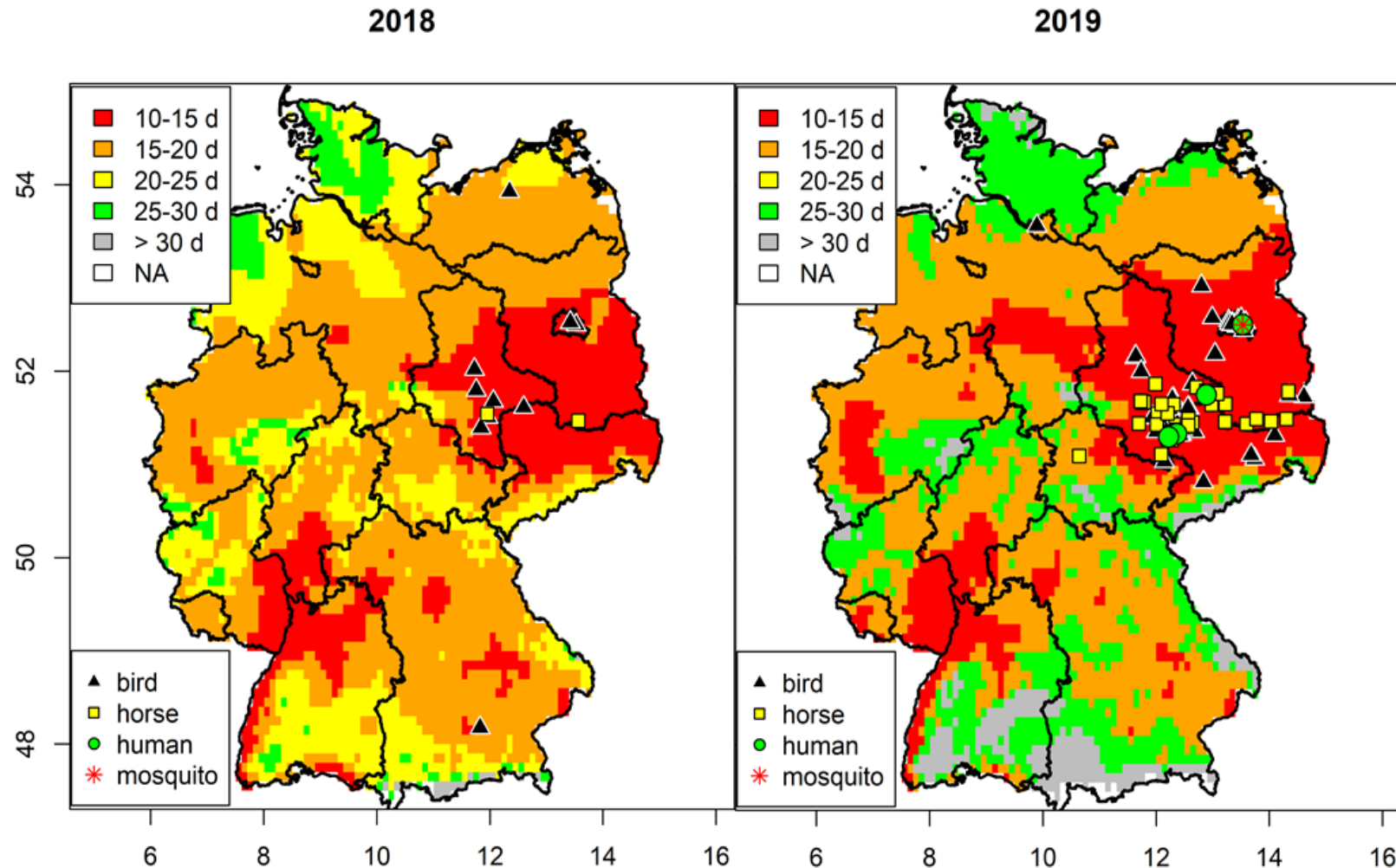
Citizen science: Usutu virus/West Nile virus monitoring in Germany



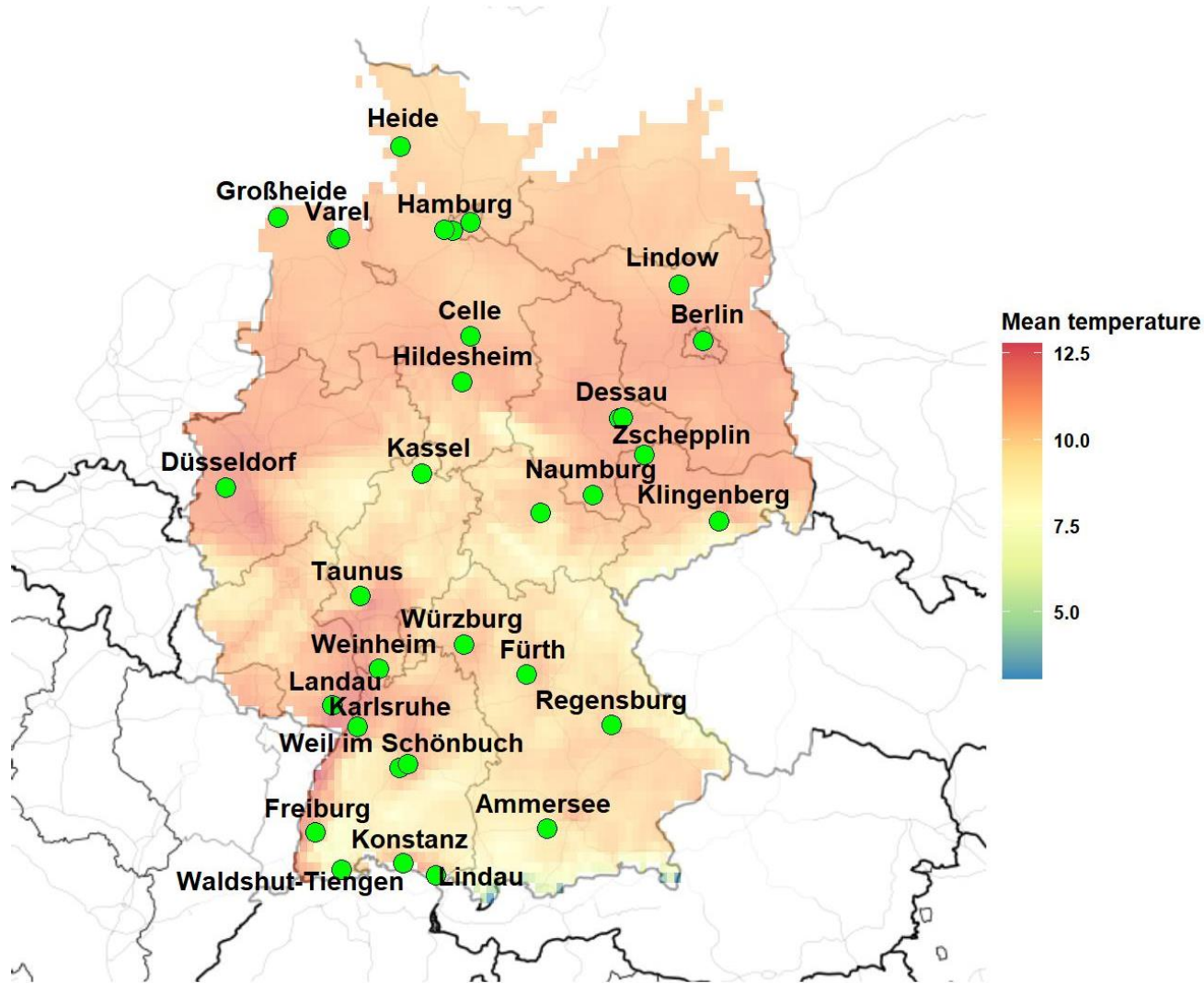
Citizen science: Usutu virus/West Nile virus monitoring in Germany



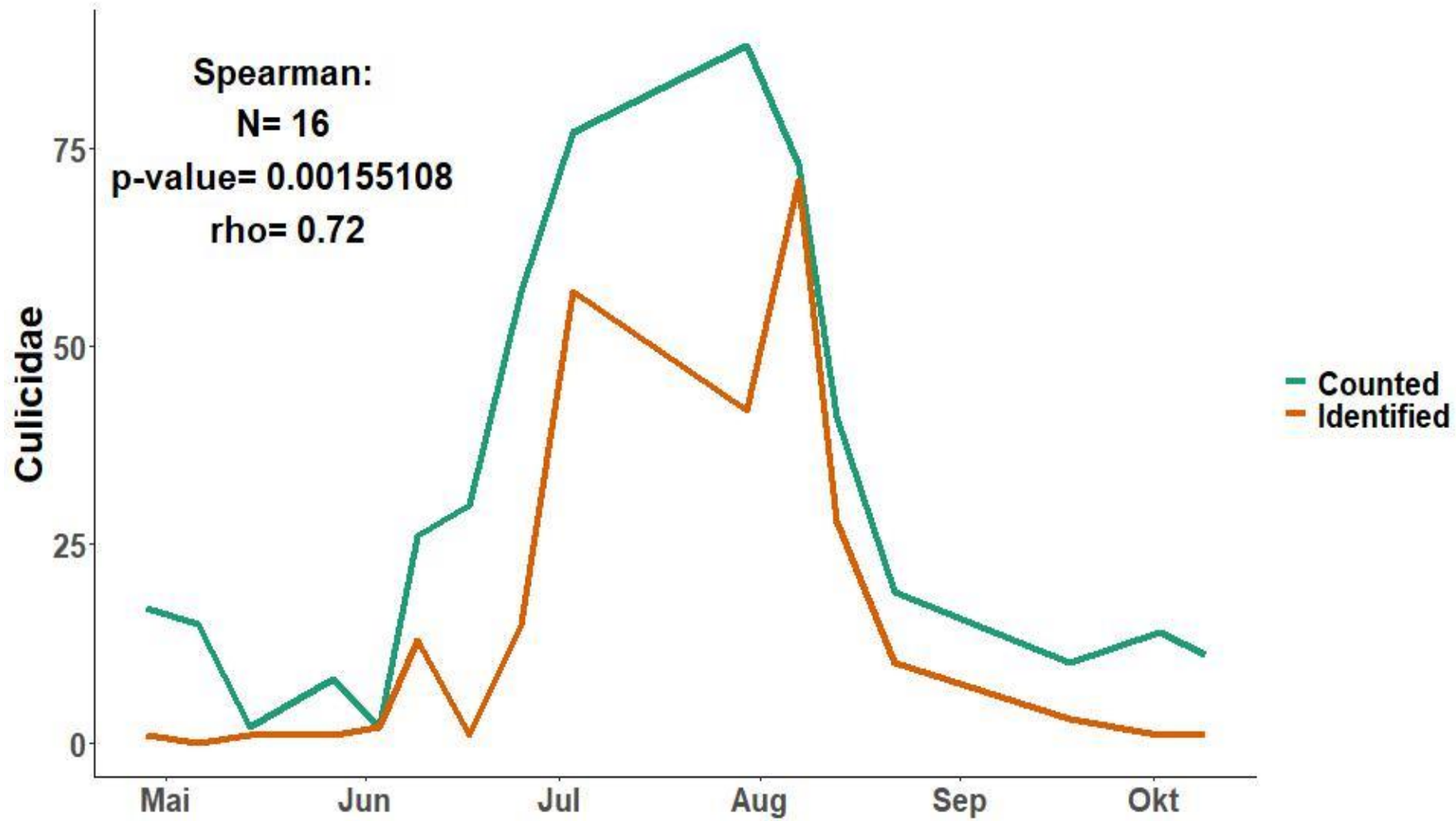
West Nile virus emergence in Germany



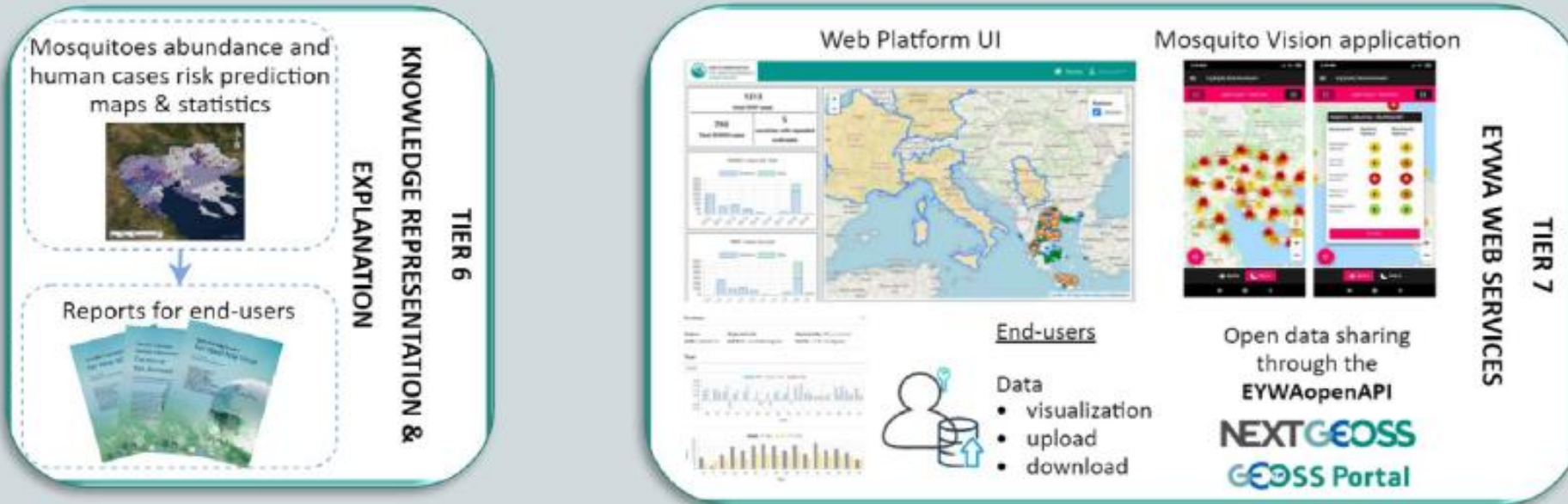
Near-real time data collection of mosquito abundance



Near-real time data collection of mosquito abundance



EYWA System Architecture



The reports indicate

- Up-to-date epidemiological status of the Region
- The state-of-the-art models used
- The mosquito abundance predictions for the month
- The estimated human risk

Predictions results dissemination to the relevant Public Health Authorities through monthly reports and the [EYWA Web Platform](#)

Thank You!

Renke Lühken /
luehken@bnitm.de