



GEO VIRTUAL SYMPOSIUM 2021

Earth Observation for Climate Change and Mosquito-Borne Diseases

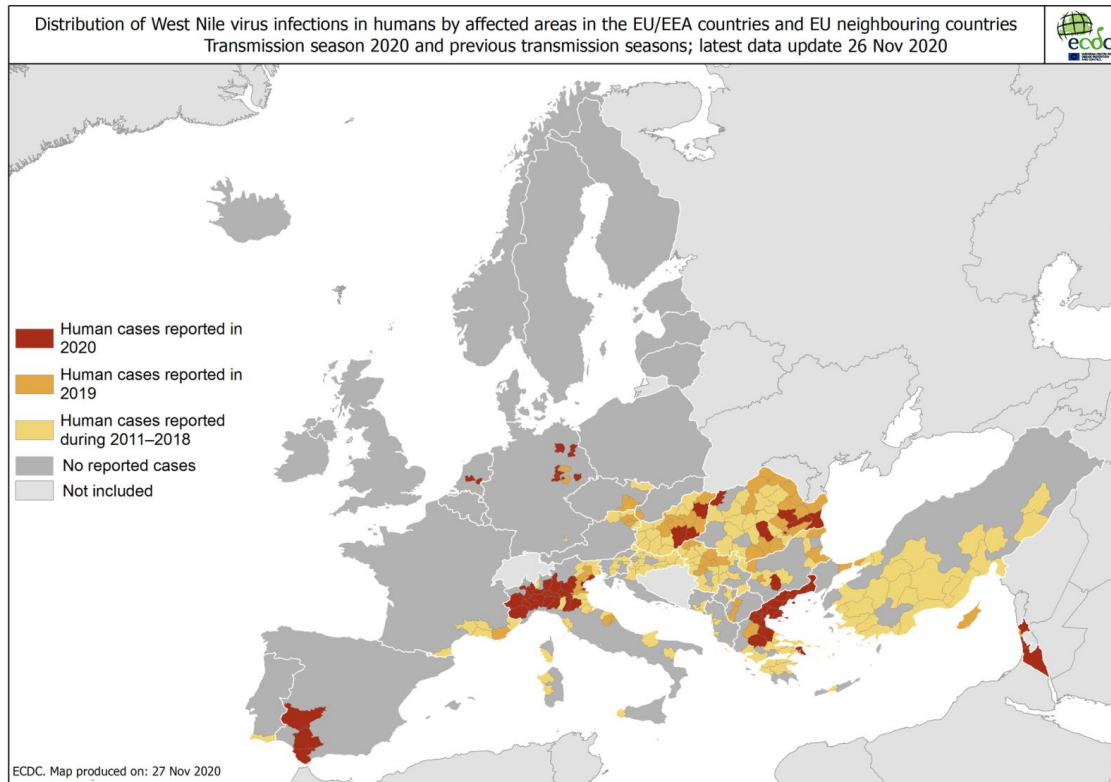
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Mosquito-Borne Diseases in Europe

An emerging threat



Key trends driving the re-emergence of mosquito-borne diseases:

- Changing climatic and ecological conditions
- Global travel and trade
- Human behavior
- Rapid and unplanned urbanization

Action Group EO4EViDence (Earth Observation for Epidemics of Vector-Borne Diseases)

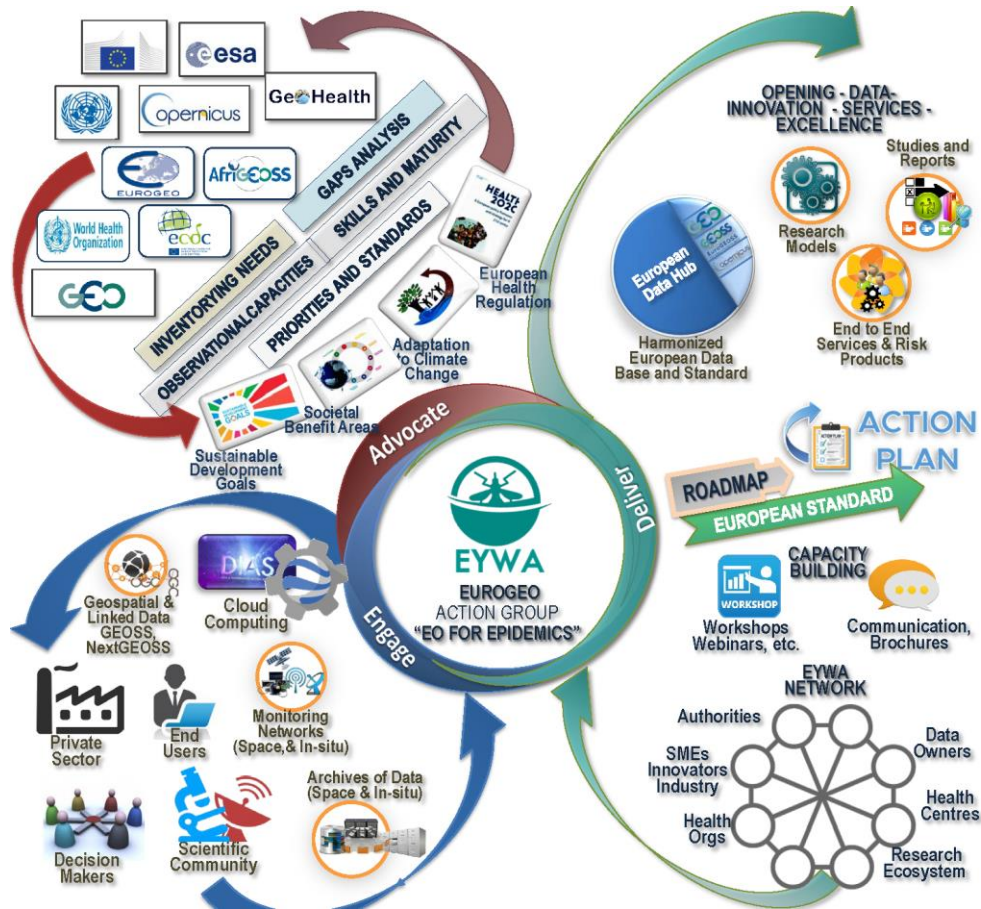
EYWA is a vision, a network, a European and even global standard

EYWA offers a scalable, reliable and sustainable early warning system, relying on Earth observation big data combined with entomological, epidemiological and socioeconomic data, to forecast and monitor Mosquito-Borne Diseases.

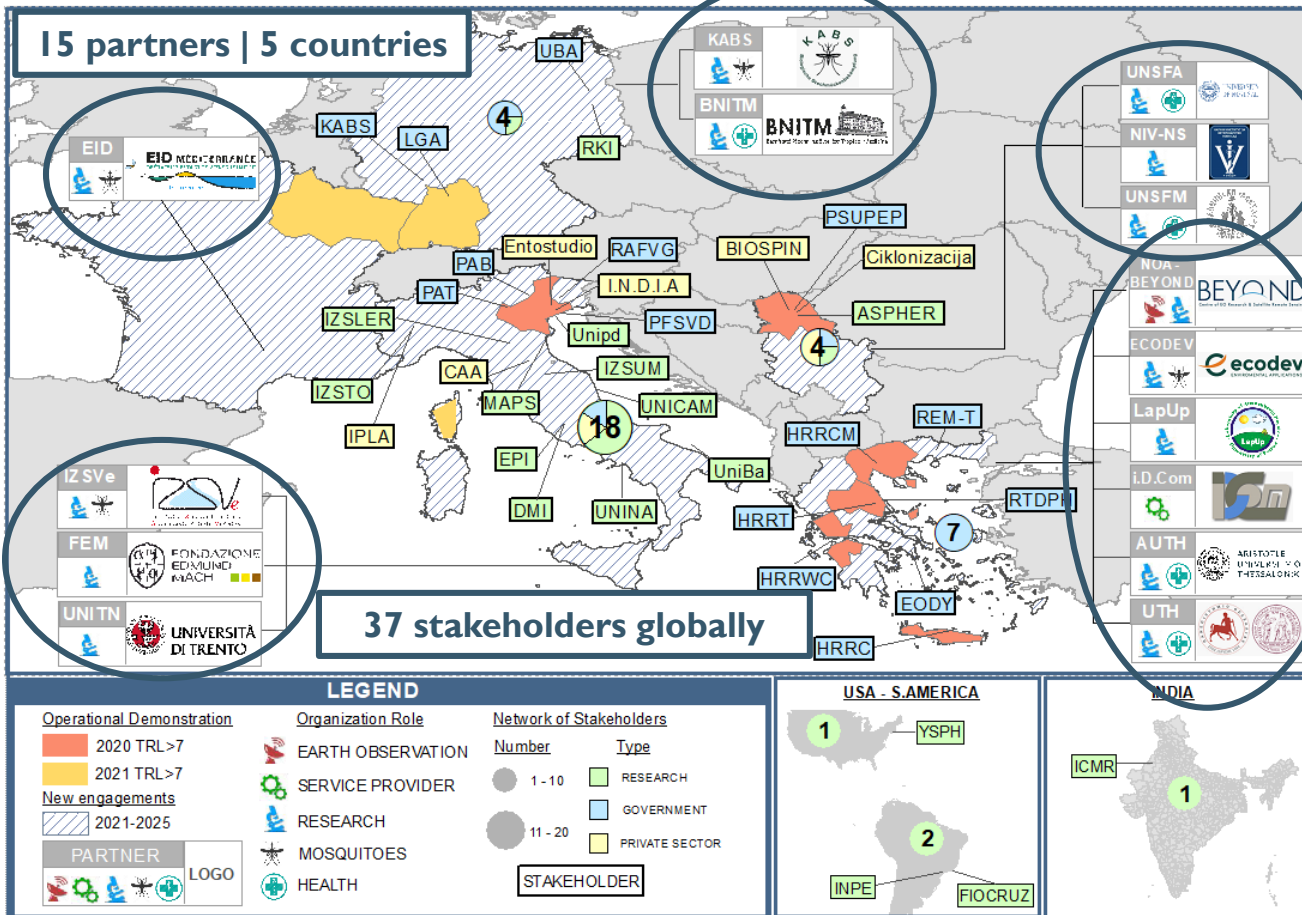


**EYWA is built on the
GEO triptych:**

**ADVOCATE
ENGAGE
DELIVER**



The EYWA consortium



EYWA in a nutshell

- Plethora of satellite Earth Observation data
- Entomological, epidemiological, crowdsourced, socioeconomic and auxiliary data
- State-of-the-art technological tools for entomological and epidemiological risk forecast at various scales and time frames
- Fully operational implementation in 9 regions of Europe, in Greece, Italy, France, Serbia, and Germany
- Supports targeted Mosquito control and surveillance actions and averts MB human cases



Leveraging scientific knowledge and ultimately proving that EO can upend our understanding in the field of epidemics

The pivotal role of EYWA is to become a key lever for Public Health authorities and decision makers, support preparedness and timely strategic design of the health system response actions, and raise citizens awareness on the expected risk, with a view to fight Mosquito-Borne Diseases

Thank You!

Dr. Haris Kontoes / June 23rd 2021
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For more information visit:

<http://www.beyond-eocenter.eu/index.php/web-services/eywa>

Collaborate and communicate with GEO:

