

OVERWATCH

integrated
holographic
management
map for safety
and crisis events



The Team

10 **5**
PARTNERS COUNTRIES



ithaca

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PASSION FOR INNOVATION



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THE DIGITAL TRANSFORMATION COMPANY



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Alpha Consult

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Overwatch

More than a map



SCAN
ME



The Technologies

Earth Observation



Satellite data as a key element for hazard impact evaluation and recovery planning in case of large-scale disaster events.

Augmented Reality



AR holographic operation map enriched with information relevant for disaster management and mitigation.

Drones



Low-height flight and high-accuracy terrain mapping. Equipped with a set of cameras to map and delimit natural events.

Artificial Intelligence



OVERWATCH is developing a new set of machine-learning algorithms to map floods, fires, and damaged areas. The algorithms will be designed to use both Copernicus Sentinel as well as drone data.

The Project

OVERWATCH aims to implement a crisis management system for wildfires and floods supported by Copernicus and EGNSS-based solutions and complemented with innovative Augmented Reality user interface, with enhanced data visualization and decision support tools for end-users operating in the civil protection sector and in the emergency management domains such as practitioners (first responders, public authorities). Overwatch contributes to Europe's all DRG and SRG nr 11, 13 and 15.

OUR OBJECTIVE IS TO PROVIDE UPDATED AND DETAILED INFORMATION TO THOSE RESPONSIBLE FOR DECISION-MAKING AND MITIGATING NATURAL DISASTERS.