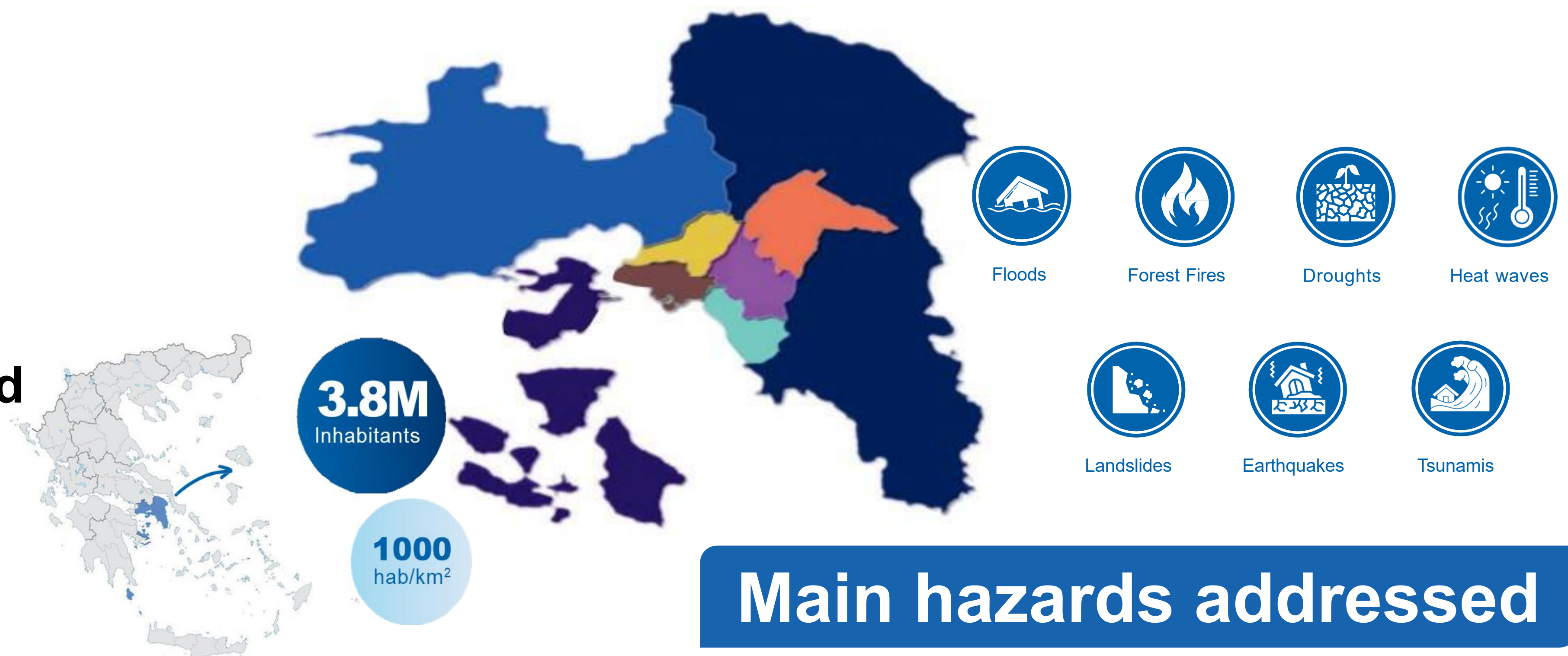


- ❖ Attica is Greece's most populous and densely inhabited region.
- ❖ It includes 8 Regional Units, 66 Municipalities, & Athens as the capital.
- ❖ Population: 3,792,469 (2021), over one-third of the national total.
- ❖ Strong metropolitan character shapes its structure and functions.



Challenges

- Extreme rainfall causing widespread flooding and disruption
- Rapid escalation of impacts in dense urban areas such as Piraeus Municipality
- High operational pressure (>900 emergency calls)
- Need for real-time awareness and coordinated response
- Limited ability to anticipate cascading urban impacts

GOBEYOND solution

- Real-time monitoring of weather and risk
- Multi-source data integration for operational awareness
- Application during the 21 January 2026 event
- Early identification of high-risk areas
- Shared operational picture for coordination
- Prioritisation of response actions
- Continuous updates as new data emerges

- ❖ The severe weather event of 21–22 January 2026 was used as a reference case.
- ❖ The event was classified as **Category 5 (Red Code)**, with precipitation locally exceeding 140–170 mm within 24 hours.

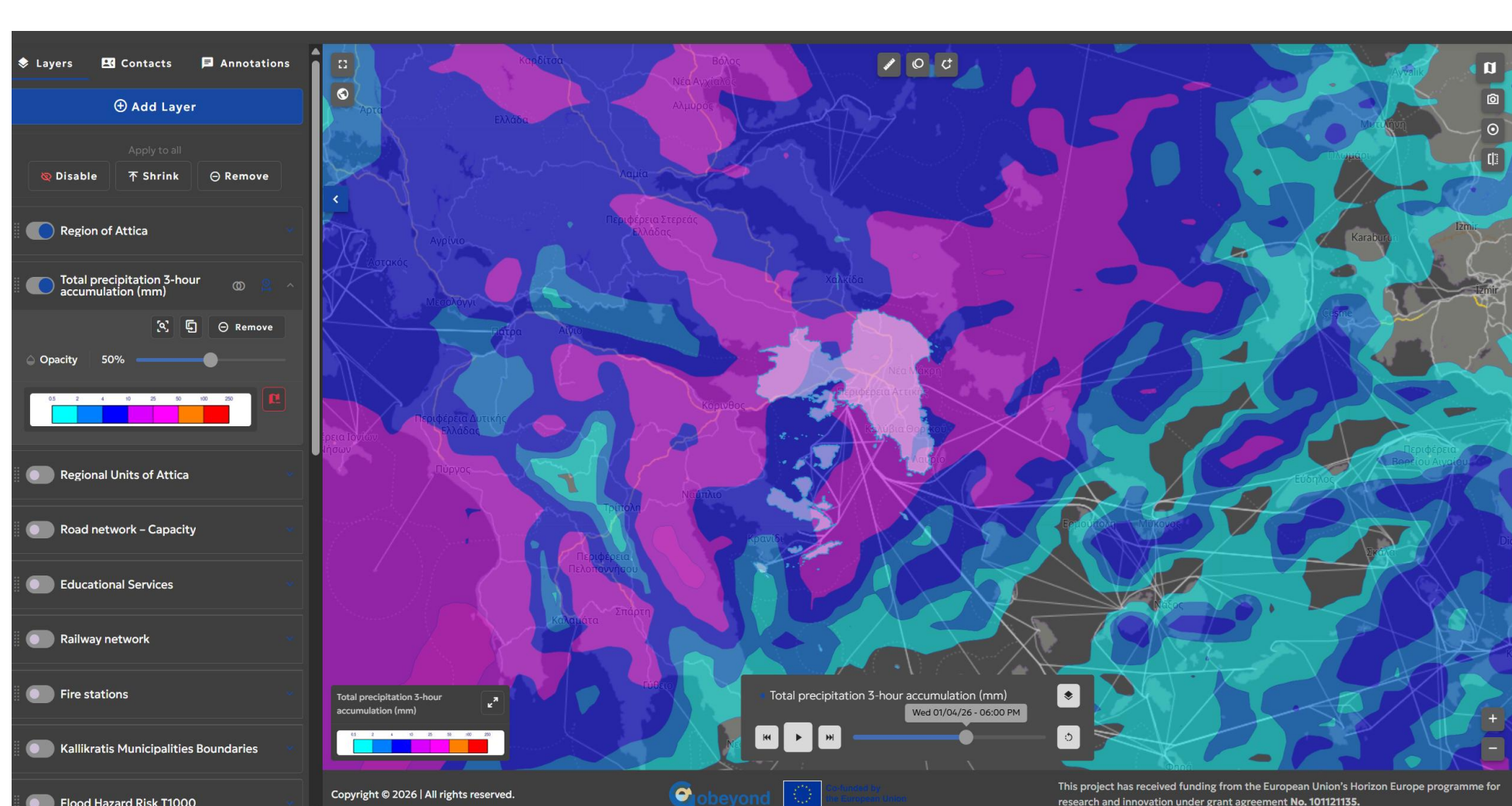


Use case & results

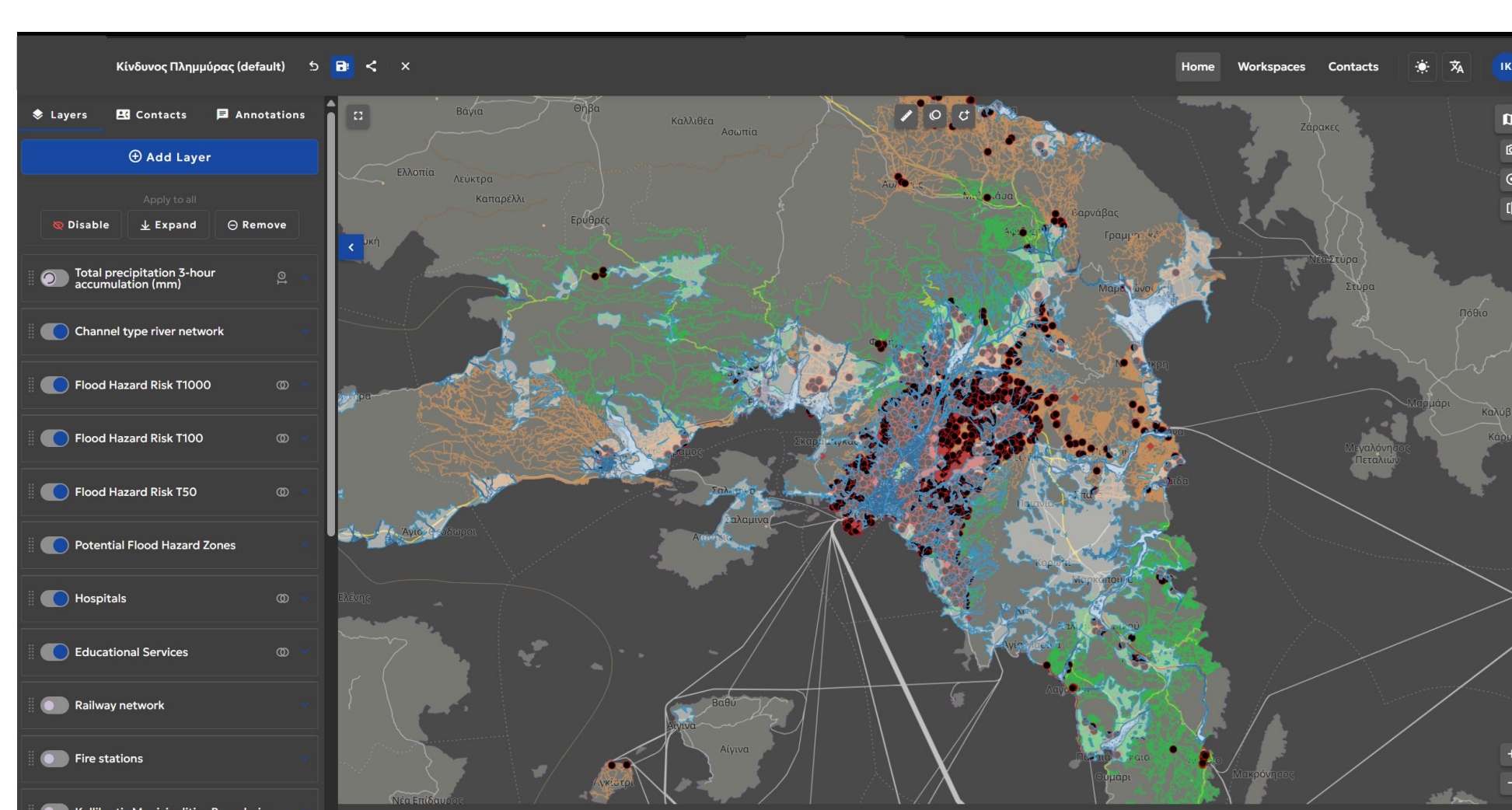
- Improved overview of affected areas and evolving conditions
- Enhanced support to operational decision-making during the event
- Enhanced coordination among Civil Protection stakeholders, including Fire Service, Hellenic Police, Piraeus Municipality & other local municipalities and the Region of Attica

Lessons learned

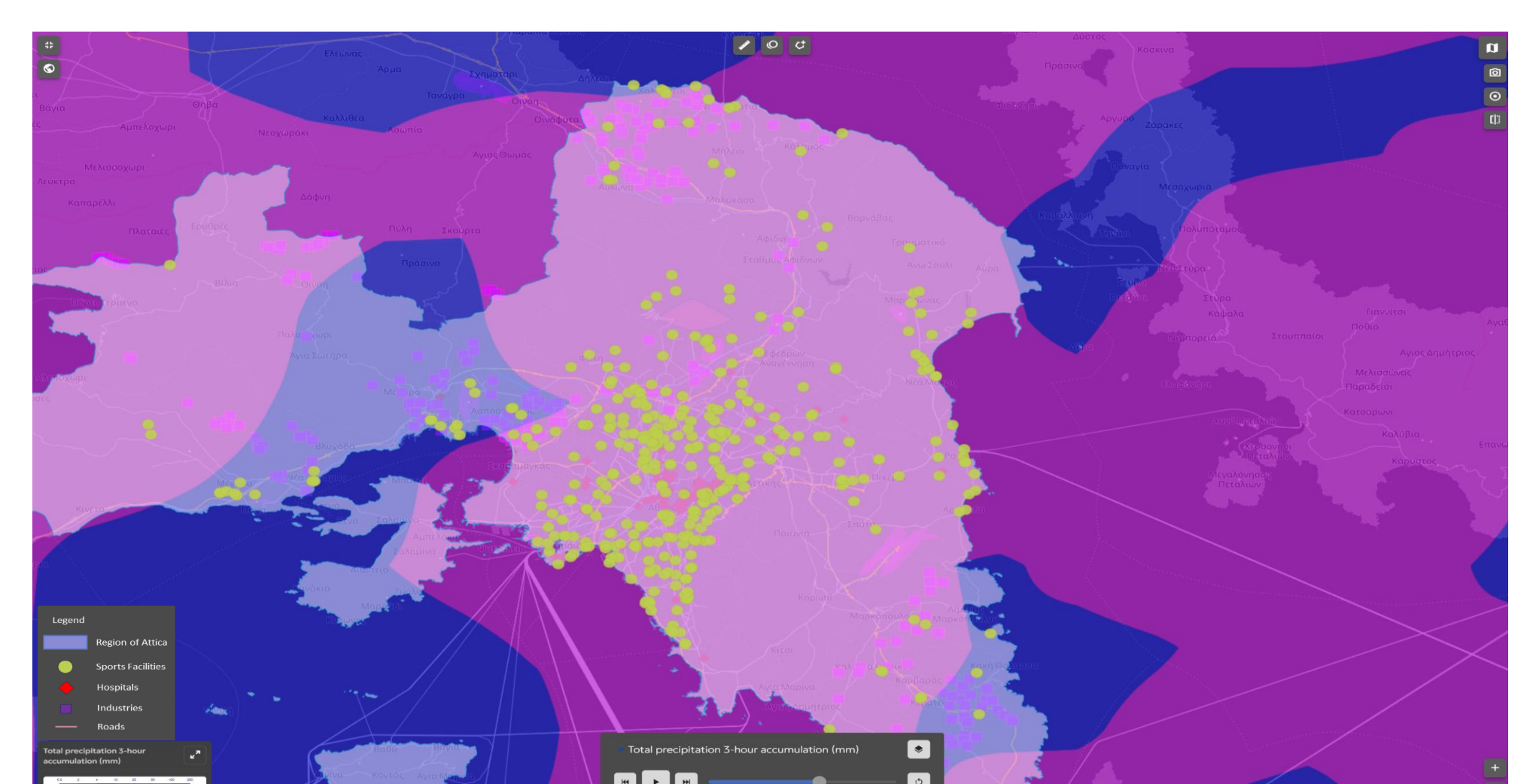
- Real-time access to integrated data is critical for effective decision-making during extreme events
- Rapid interpretation of incoming information is essential in fast-evolving urban flood scenarios
- Inter-agency coordination remains a key factor for effective emergency response



Forecast



Critical infrastructures



Integrated Risk Assessment