



# GOBEYOND 1.<sup>ST</sup> WORKSHOP – SEVILLA



*GOBEYOND PILOT SITES – INSIGHTS AND LESSONS FROM REAL-WORLD DEMONSTRATIONS*



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## GOBEYOND

→ **GEO AND WEATHER MULTI-RISK IMPACT BASED EARLY WARNING AND RESPONSE SYSTEMS SUPPORTING RAPID DEPLOYMENT OF FIRST RESPONDERS IN EU AND BEYOND.**



<https://www.futurelearn.com/info/courses/humanitarian-action-response-relief/0/steps/60986>

## Starting questions

- What are multi-risk impact-based early warning systems?
- Why are they essential for disaster prediction and support for rapid deployment of first responders?





## Answer

- Multi-risk impact-based early warning systems (MR-IBEWS) are advanced disaster preparedness systems that go beyond traditional forecasts.
- Instead of just predicting an event (like heavy rainfall, a storm or a tsunami), these systems assess the potential impact of multi-risks on communities, infrastructure, and the environment triggering **ACTIONS**.



## Key features of MR-IBEWS

- **Risk Assessment** – Identifies vulnerable areas and populations.
- **Impact Prediction** – Analyzes how hazards will affect specific locations.
- **Actionable Alerts** – Issues warnings with clear instructions on what actions to take.
- **Multi-Stakeholder Coordination** – Involves governments, emergency responders, and communities.
- **Real-Time Monitoring** – Uses technology like satellites, sensors, and AI for accurate forecasting.





## Expected Outcomes

- Raise awareness on political decision makers.
- Creation of funds directed to local governments to implement and contract **MR-IBEWS**.
- Significant reduction of human and economic losses due to **MR-IBEWS** implementation.
- Capacity building development for adapting **MR-IBEWS** to local contingencies (geography, climate conditions, local doctrines and knowledge level, etc.).
- Support for continuous training and education as crucial factors for success.





## Challenges

- Lack of infrastructure of local geo and meteo data sensors.
- Difficulty in reaching all populations with effective alerts.
- Acquisition of different geo and climate data sources from national institutions and others.
- Coordination with local, regional and national services.



## Opportunities

- New training and professional development opportunities following the adoption of new technologies.
- Adoption of new working methods and platforms.
- Opportunity for global cooperation for better data exchange and technology.
- Improve Risk Reduction Strategies results at local level.





# THANK YOU!

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