IoT and Crisis Preparedness

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Damage and loss data collected after an event are initially required to respond to the most direct impacts and to plan its recovery.
Current challenges

- The collection and sharing of data are not a priority
- Groups and institutions still do not act in coordination on this
- Data are not available in a timely manner or not accurate and consistent among sources
Science for Disaster Risk Management (DRM)

**Policymakers**

- Facilitate and promote collaborative processes to collect input from the different stakeholders
- Develop a policy framework to collect, store and reuse data and information, including good practices and lessons learned during response and recovery processes
- Ensure proper monitoring and evaluation of the corrective measures planned and implemented
Science for Disaster Risk Management (DRM)

Practitioners

- Provide feedback to ensure that tacit knowledge is endorsed by policymakers
- Be creative and perseverant in your tasks, embracing innovation
- Help the scientific community with data and feedback
Science for Disaster Risk Management (DRM)

Scientists
- Continue research efforts on disaster risk dimensions and management
- Acquire additional knowledge by interacting with other communities
- Make sure the knowledge is useful and used

Citizens
- Raise your voice for a more resilient future
- Be active to reduce disaster risk at local level
- Engage with other stakeholders in DRM activities
Physical infrastructures, social and personal networks, together with the assistance received, can significantly accelerate post-disaster recovery.
Resilient, secure and scalable disaster networks

Processing and harmonising data for enhanced real-time decision making

Flow of information between stakeholders on top of enhanced networks and real-time driven services

Key information for decision-making made available in a usable manner.
Smooth emergency management

- Data Management (from edge to cloud)
- Network and resources orchestration
- Analytics and visualisation for situational awareness
- Edge intelligence for real-time analytics and alerts
Long-term partnerships create trust, key for stakeholders to communicate in open, transparent and timely dialogues for addressing the many disaster risks affecting society.
Meet our panel

- **Monica Florea** (SIMAVI)

- **Mario Drobics** (AIT)

- **Lazaros Karagiannidis** (ICCS)

- Which are key IoT solutions to increase risk awareness and reduce vulnerabilities?

- What are the main requirements for efficient design of preparedness actions and empowerment of citizens?

- What do you see as next steps to solve the difficulties in communicating with the public in preparedness (and response) phases?
Thank you for listening

Any questions?

You can find us at @AIOTI EU or email sg@aioti.eu