The role of impact information in emergency management

An impact-based forecasting study in Kraljevo, Serbia

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Impact-based forecasting

Presentation of information?

What type of information?

Real-time vs scenario-based information?

Timing of information?
Aim of the study:

Learn more about the information needs of end-users and decision makers with respect to impact-based forecasting and emergency management.
Municipality of Kraljevo, Serbia

Area: 1530 km²
Population: 122782 citizens in 92 settlements

Environment:
- 3 primary rivers (national): Gruža, Ibar and West Morava
- Around 150 secondary rivers (local)
- 70% mountain terrain

Cultural heritage and recreation:
- Manostery Žiča and UNESCO protected Studenica
- Mataruška spa, Bogutovačka spa, Sirčanska spa, Vitanovačka spa
A study in Kraljevo, Serbia

HAIL

LANDSLIDES

STORM WINDS

FLOODS
A study in Kraljevo, Serbia

FIRES

SNOWDRIFTS

EARTHQUAKES

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A study in Kraljevo, Serbia

**Damage after 2014 flood (%)**

- **Housing**: 32%
- **Infrastructure**: 13%
- **Agriculture**: 11%
- **Economy**: 4%

**2014:**
Damage: 8 million euros

**2016:**
Damage: 1 million euros

Preparedness makes a difference
Key messages learnt from Kraljevo

- Integrated perspective
- Trust and relationships
- Relevant information
Information needs
Information needs - logistical

Map layers
Information needs – problem spots
Information needs - alternatives

Dashboard Kraljevo
Preparing for Extreme Events

Regional team
- Grdica
- Adrani
- Vitkovac
- Vitanovac

Number of people affected: 4800
Number of blocked roads: 2
Information: 2
Key messages learnt from Kraljevo

- Integrated perspective
- Trust and relationships
- Relevant information
Feedback?
Reactions?
Questions?
Anecdotes?