

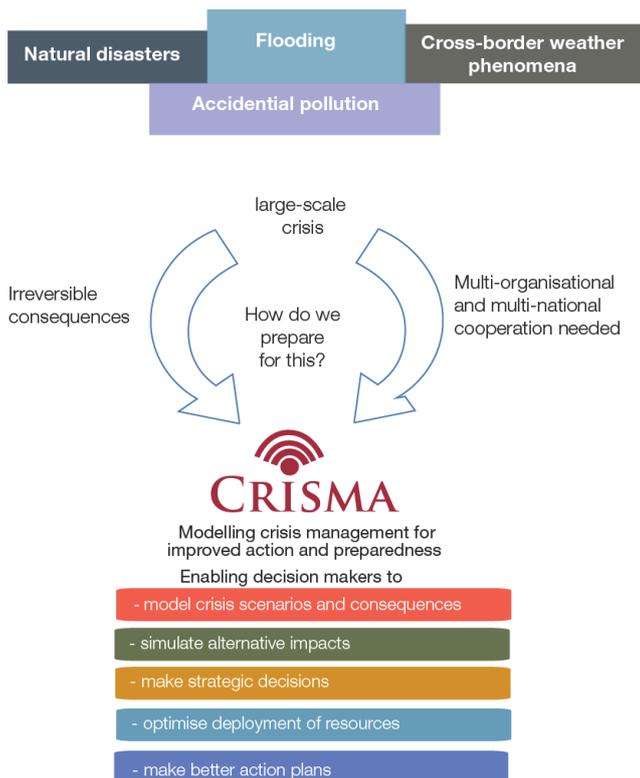
Mitigating the impacts of extreme weather originated disasters by simulating the effects of different preparation and action decisions of crisis management

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The CRISMA Scope

CRISMA Integrated Project is aiming to support both public and private crisis manager and decision-makers in short and long term planning as well as training and reviewing of crisis preparedness and response organisations, infrastructure and personnel. The focus is on large-scale crisis scenarios triggered e.g. by extreme weather.

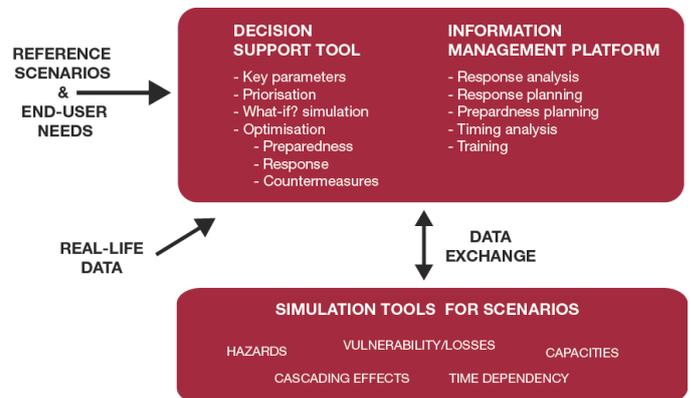


The CRISMA Pilots and Extreme Weather Events

The five CRISMA pilots are the basis for user requirements specifications, and will be used for evaluation and validation of the CRISMA System. Two out of five pilots - severe Nordic winter storms and Western-European coastal flooding - provide insight to extreme weather events. Both these pilot scenarios will demonstrate and explore impacts over the present technical, organisational and social preparedness and existing regional resilience.

The CRISMA System For Improved Planning

The CRISMA System shall enable the integration of existing and future models, tools and data like GMES, in order to simulate complex crisis scenarios like: natural hazards with irreversible damages and related vulnerability, potential response actions and their impacts, and technical, organisational and social preparedness of a region or regions with respect to the natural hazards. The CRISMA System shall help planning for reduction of vulnerability and increase of resilience, as recommended in the IPCC SREX report.



The CRISMA develops an integrated planning and decision support tool set that shall facilitate simulation and modelling of realistic crisis scenarios with possible cascading and multi-risk effects, potential preparation and response actions, and the impact of crisis depending on both the external factors driving the crisis development and the various actions of the crisis management team.

CRISMA Consortium

The CRISMA project (www.crismaproject.eu) is co-ordinated by VTT Technical Research Centre of Finland. The consortium counts 17 partners from 9 countries, representing end-users, research and industry. The project ends in August 2015.

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