

Analyze weather conditions

HEIMDALL PROVIDES TOOLS FOR SUPPORTING DECISIONS IN FLOOD CRISIS SITUATIONS

(Training, preparedness and response)

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Delineate potential Flooding areas.

Monitor the occurrence and evolution or the Flood incident to support effective deployment or resources and well-informed decision-making.

1 FLOOD SIMULATOR AND EARTH OBSERVATION (EO) PRODUCTS:

Predict the flood extent accounting for the effect of protection measures.

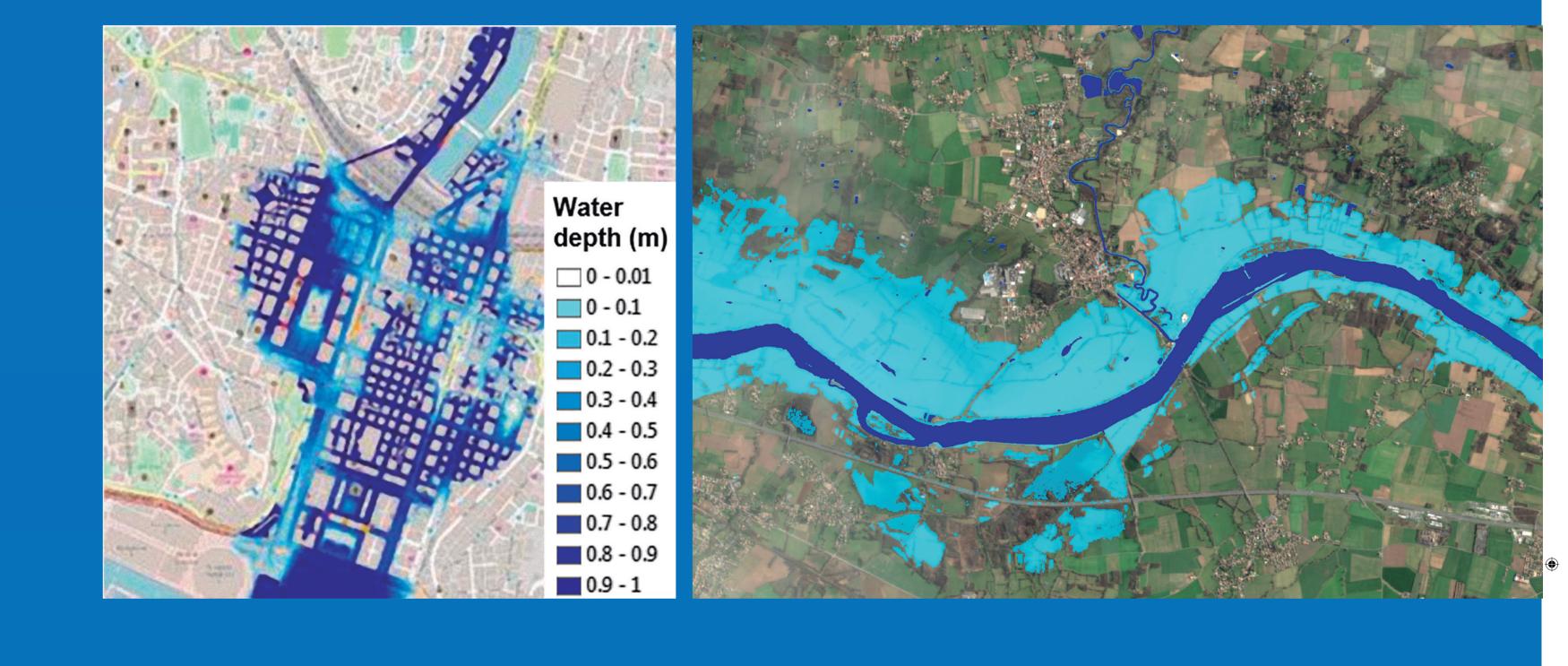
Adjust the simulation based on varying conditions and deployment operations by incident authorities.

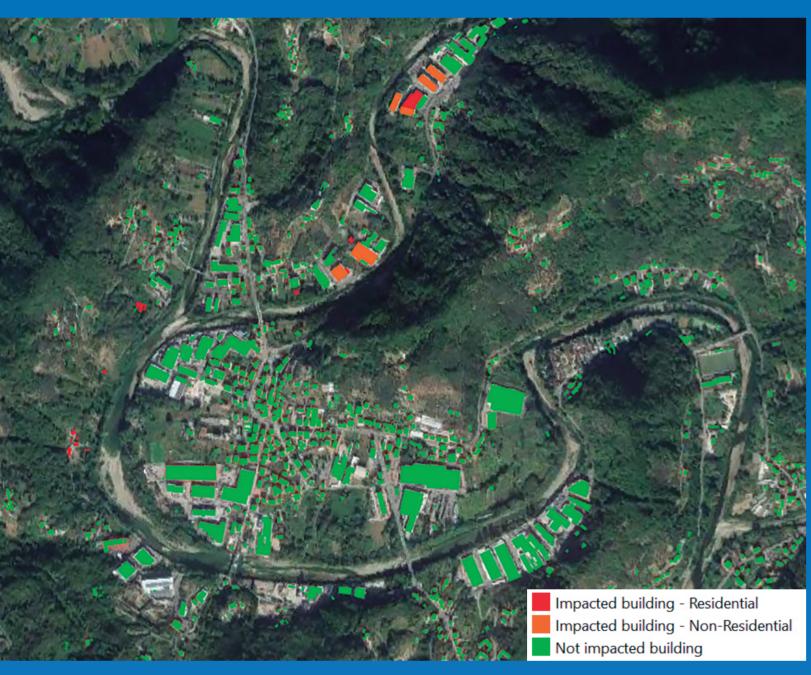
Combine flood layers with EO products to cross-check simulation results.

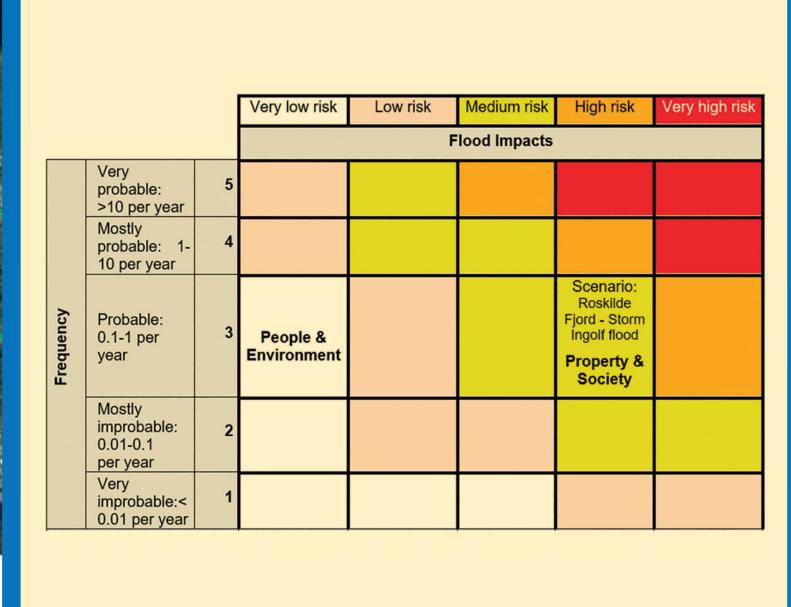
Give the users an everyion of the real situation at a given time using EO data

Give the users an overview of the real situation at a given time using EO data products.

Help users monitor the extent of the flood with EO satellite images and then adjust their deployment operations.









Estimate physical, economic and human impacts.

Integrate infrastructure datasets for the flood scenario.

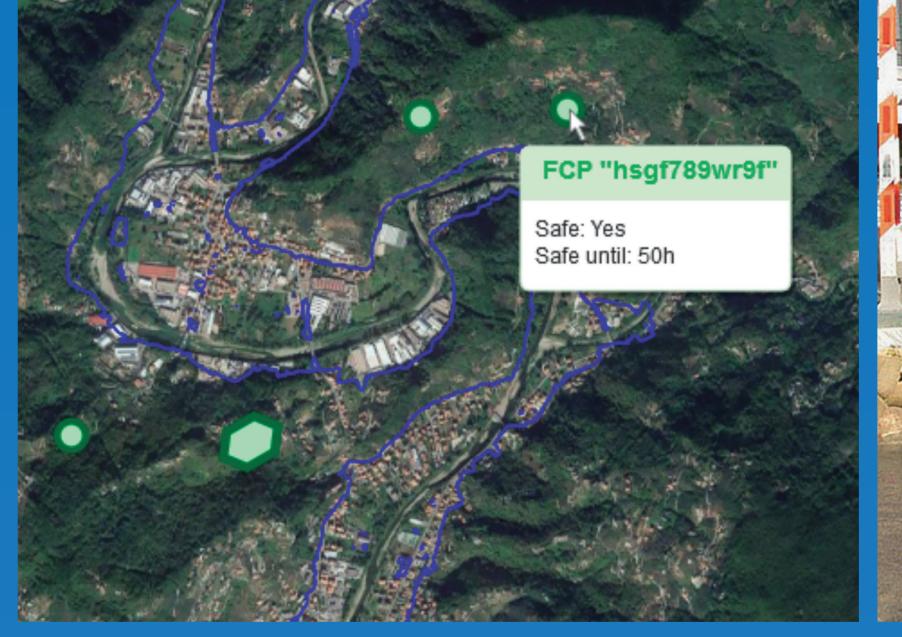
Enable the integration and visualisation of risk assessment information from external sources and end-users.

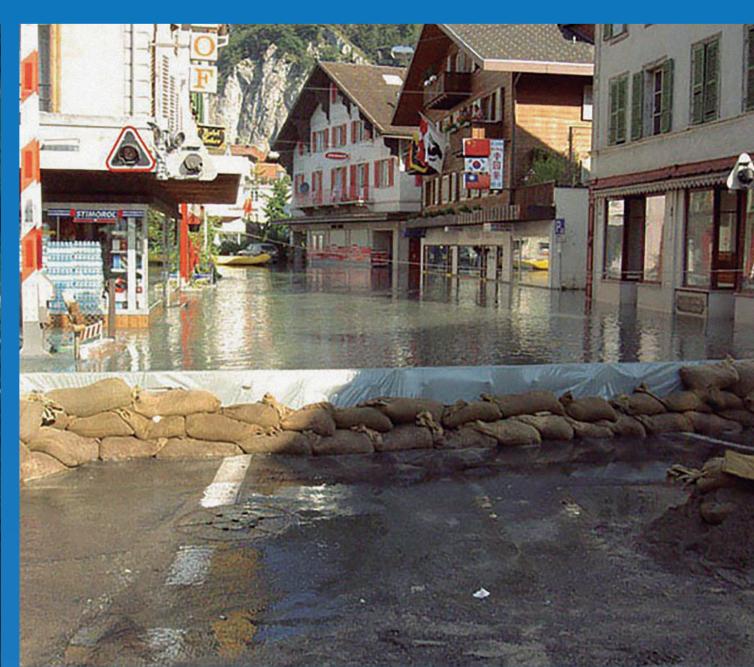
DECISION SUPPORT SYSTEM

Determine safe areas to allocate operational resources.

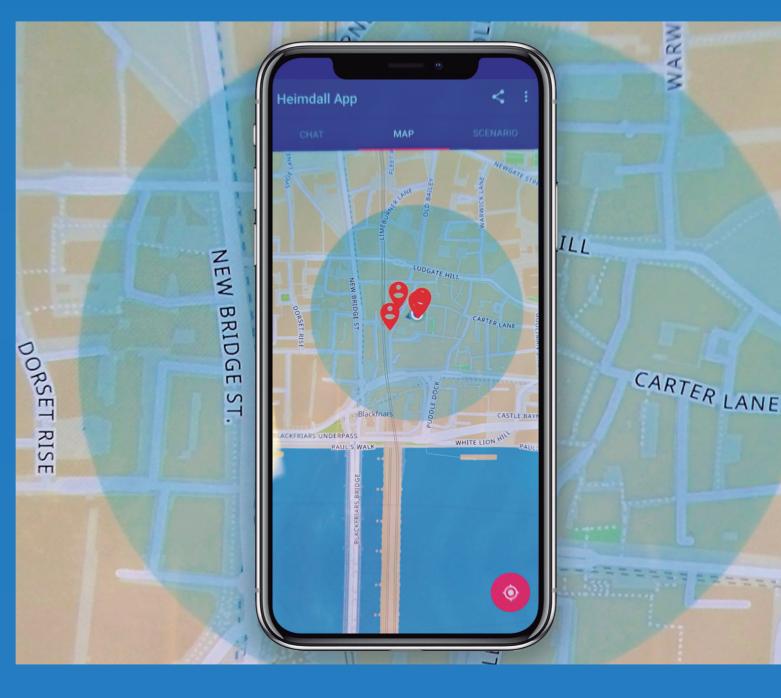
Define safe evacuation areas where affected people can be sheltered.

Match similar historic, and analyse possible future (what-if), scenarios to assess the effectiveness of potential working strategies and to identify options and contingencies.











Publish and share incident information, lessons learnt and historical incident data with other organisations involved in crisis situations using a catalogue that builds up a network of users and scenario data.

Generate and share situation reports.

Exchange information between operators working in C&Cs and units in the field using the HEIMDALL mobile app.



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