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# NEPTUNE - Nowcasting and impact-basEd PredicTions of inUndations in mediterraNean catchmEnts

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# Background

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- Heavy rainfall and their impacts are difficult to manage, especially in **mountain**, **mediterranean** and **transborder** areas.

- To support decision making, there is a need for **impact-based** forecasting systems, working at **high space-time resolutions**.

Impacts on the Roya catchment after the storm Alex (October 2020)

# The NEPTUNE project (2022-2024)

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- Precipitation predictions
- End-users evaluation and implementation

- Hydrological modelling and forecasting
- Impact-based predictions

Kick off meeting : 5-6 April 2022 on the transborder Roya catchment

# NEPTUNE developped tools

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- Precipitation predictions
- Hydrological modelling and forecasting
- Impact-based predictions
- End-users evaluation and implementation

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