
Xapuri

PRODUCTS

- **Flood extension**: *Mapping the extent of flooding observed at a given time (water surfaces, traces of flooding / deposits, depending on feasibility)*
- **Flood monitoring**: *Mapping of flood extension dynamics (new observations at a time step to be defined)*
- **Flood modeling**: *Mapping of the potential maximum flood extent, as estimated from post-event satellite observations and 0D modeling based on a digital terrain model*
- **Flood modeling in urban areas**: *Mapping of the potential maximum flood extent, enhanced by a local interpolation procedure of the flooding surface and corroborated by the use of data from social networks*
- **Flood depth**: *Mapping of potential flood depths using a geomorphological model based on the digital terrain model*
- **Flood impact**: *Mapping of binary impact (affected / unaffected) or gradation of damage (up to 4 classes of damage levels depending on feasibility) on infrastructures*
- Other products on request

SERVICES

- Rapid mapping in urgent or standard mode
- Risks and recovery in standard mode

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