



Modelling crisis management for improved action and preparedness

***TELEMAC/MASCARET 1D/2D/3D
HYDRODYNAMIC MODELLING SYSTEM***

**CRISMA Business Day
4th June 2015, Brussels
Christophe Coulet - ARTELIA**



Free surface water modelling with Telemac-Mascaret System

- **The Offer:** Artelia offers consultancy services to build, calibrate and use models for determination of Areas at Potential Significant Flood Risk (APSFR) and Flood Risk Management Plans (FRMP).

- **The targeted market(s):**
 - Profiles of the Clients/users: Everyone who has to deal with flood threats, in particular public authorities in charge of the implementation of the Action Plan for Flood Risk Management (Flood Directive 2007/60/EC)
 - Geographical areas: France, Europe, World ...

- **Key functions:** Telemac-Mascaret system allows the computation of floods, coastal submersions or Tsunami events in order to determine the extension of inundated area and principal characteristics of an event (water depth, flow velocity, discharges).

Free surface water modelling with Telemac-Mascaret System

- **Link with the CRISMA Framework:** Each Telemac-Mascaret application model could be implemented in the Crisma Framework like this has been done for the Coastal submersion on Charente-Maritime Pilot site.
- **Added-Value on the market:** Telemac-Mascaret is already integrated in the CRISMA Framework and Artelia is one of the 6 members of the core-group of developers of Telemac-Mascaret system

Free surface water modelling with Telemac-Mascaret

■ Conditions of your Offer:

- Business approach: Consultancy services are available through Public procurements or direct order of services from a customer
- Access conditions: As the Telemac-Mascaret system is an open source software, there is no license cost for using the models built by Artelia. In order to help the users, Artelia could offer support services.
- Additional services: consultancy services related to flood risk assessment and management

Free surface water modelling with Telemac-Mascaret

- **Demonstration material:** *No in-hand demonstration material available but a lot of examples are available in the Telemac-Mascaret package available on the website:*

www.opentelemac.org or www.openmascaret.org

- **Contact:** Christophe COULET (ARTELIA)
 - Mail : christophe.coulet@arteliagroup.com
 - Phone : +33 (0) 5 56 13 85 80