Météo-France support to Disaster Risk Management
Since 1994, Météo-France is the state-owned meteorological agency

Official Duties:

• Supporting disaster risk-reduction management
• Services to Air Navigation
• Supporting the Armed Forces
• Contributing to knowledge enhancement
• Providing meteorological data
Institutional framework

Inter-ministerial Circular defining the Vigilance system itself:
- 2001, setting up of the system
- 2003: update including Heat/Cold waves
- 2007: update including floods with intense precipitations
- 2011: update including coastal events

• With a number of partnerships
key Vigilance operational features

Four colors – 24h lead time – "departement" scale
Nine Hazards including floods,
Broadcast twice a day systematically
Pictograms pop-up on yellow level
Text bulletins for orange/red levels include impacts and advice
Assessment

Annual assessment reports have been published since 2004.

Relevancy and timeliness of warnings are estimated from:
- reports of damages,
- Number of rescue operations, casualties, victims,
- Lead time and anticipated measures taken on the field

Quality indexes are followed over time

<table>
<thead>
<tr>
<th>Year</th>
<th>Non-Detection Index</th>
<th>False Alarm Rate</th>
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</table>
A multi sectoral contribution pointing out observed impacts

**SCHAPI** : flood analysis

**Civil Security** :
- casualty reports, rescue operations,
- mobilization of means

**Ecology Ministry** : network disruptions, transportation, ....
The original idea to build the system consistency on (potential) impacts is sustainable thanks to the cooperation with our partners

Further improvements could rely on:
- Ongoing outreach activities towards the general public
- Growing system interoperability between partners,
- Taking better advantage of a variety of additional resources (big data issues)
- Building better impact reference databases with partners
- Taking another step towards impact forecasting
Thanks for your attention