PREDICT Services,
Flood Risk Management

A solution for local communities
and regional authorities

An integrated solution
Keys of flood risk management

Prevention et organization

Anticipation et management

Capitalisation et information
The integrated risk management
a necessity

Integrated risk management

**Before the event:** Elaborate a municipal plan of protection (or a company plan of protection) to organize the flood management and inform the public.

**During the event:** Anticipate floods and assist local communities or companies during crisis.

**After the event:** Analyze events, improve behaviours.
Flood Chronology

Meteorological event
Rain
Runoff

Hydraulic capacity
Overflow

Urbanization

Flood
Concept developed by Predict

KNOW  TRANSMIT  DECIDE  ACT
20,000 French communities assisted to face flood crisis
To know, analyze the situation

Cloud system - satellite data

Rainfall in real time - radar data

Storm activity, impacts

Hights/flow measuring stations
Before: Diagnosis
Action plan to face floods crisis
Follow up of the event on infra-red satellite picture

2nd November 2011 - 23h00 local time

3rd November 2011 - 21h20 local time
Suivi de l'événement
Image satellite de la vapeur d'eau
5th November 2011–23h00 local time
Image satellite visible MF
8 11 2011 à 11h00
Tropical Mediterranean Storm
Rainfall intensity on GIS Riskframe Predict:
each km/2 and each 5 minutes
To transmit information

Operational Center for Crisis Management - PREDICT services

Internet Information Platforme
Real time information for Risk Management on Web conference
Real time information for safety plan activation with the help of wiki-predict
To decide

Graduated safety plan

Scales of Risk
Safety plan
To act
Impacts

Laroque road on November 2011

Montpellier on November 2011

Millau on November 2011

Source: Midi libre
Impacts

Palavas on November 2011

Pézenas on November 2011

Saint Martin d’Ardèche on November 2011

Anduze on November 2011

Source: Midi libre
1st to 6th November 2011
Event

The most important event since 1940: more than 800mm registered on 6 days

Effective risk management minimizing impacts and human loss

An effective preventive organization
Conclusion

Solutions answering the needs of local authorities

Space geoinformation data integrated in operational services for flood risk management

Development of solutions for other risks management and other applications