Regional Observatory of Major Risks in Provence-Alpes-Côte d'Azur (PACA)

Testing with stakeholders at different governance scales, a new multiscaler and shared IKMS, for DRR decision making process in French territories

Workshop : Decision making in disaster risk reduction accross different levels

11 December 2014 - Bonn

Ghislaine VERRHIEST- LEBLANC – DREAL PACA
In collaboration with Nancy SPINOUSA – Regional Council PACA

Région Provence-Alpes-Côte d'Azur

Direction régionale de l'Environnement, de l'Aménagement et du Logement PROVENCE ALPES-CÔTE D'AZUR

A few words about PACA (1/2)

- **The most exposed area of France to major risks :**
  - **The most seismic region of France with the most murderous earthquake of the last century (the 1909 Provence earthquake)**
  - **High flood risk with all kinds of phenomena (slow floods / Rhône and Durance rivers) and torrential floods (coastal rivers and mountain territories) ; 80 % of the municipalities have already made a natural disaster declaration**
  - **A lot of industries (60 Seveso sites) and nuclear installations**

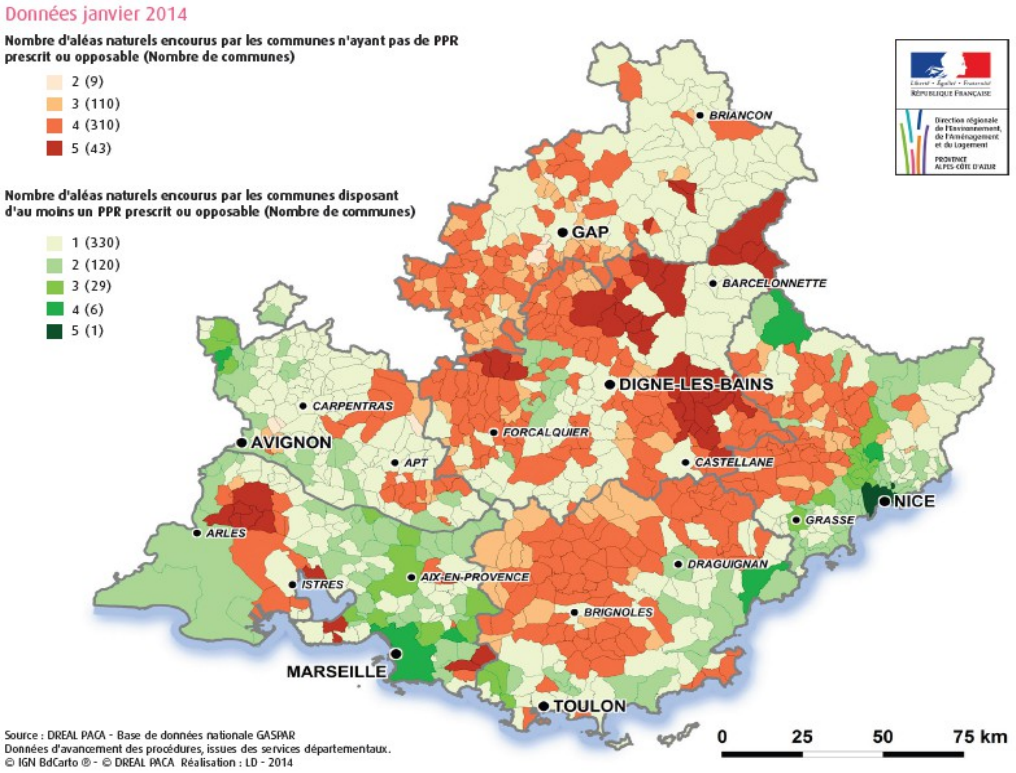
A few words about PACA (2/2)

ORRM
OBSERVATOIRE RÉGIONAL DES RISQUES MAJEURS EN PROVENCE-ALPES-CÔTE D'AZUR

- **All of the municipalities (963) have been confronted with at least one natural risk**
- **15 % of the municipalities are exposed to all 5 hazards (flood, earthquake, forest fire, avalanche, landslide) - more than a million people.**
- **67 % of the municipalities are exposed to 4 hazards.**

A strong need of knowledge development and sharing

Everybody should become an player of risk prevention at every scale



History (1/3)

A strong long-term partnership between three regional partners

La Région Provence-Alpes-Côte d'Azur

La Direction Régionale de l'Environnement, de l'Aménagement et du logement (DREAL) Provence-Alpes-Côte d'Azur

Le Bureau de Recherches Géologiques et Minières (BRGM)

Ten years of progressive development

2001 – 2006 : Collection and organisation of risk data

2007 – 2013 : Data sharing, tools and production ; the first structuring of the observatory

2014 – 2020 : An innovative observatory project

History (2/3)

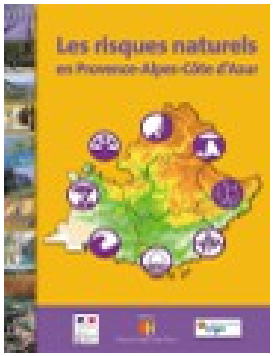
Ten years of progressive development

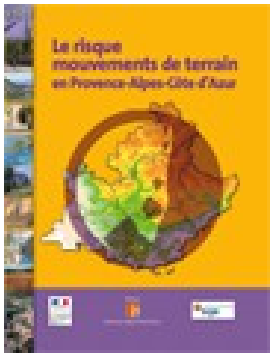
2001 – 2006 : Collection and organisation of risk data

2007 – 2013 : Data sharing, tools and production, structuring of an observatory

2014 – 2020 : An innovative observatory project

- **Local level risk inventories**
- **Regional database consolidation**
- **Geo-referencing of data**
- **Educational tool publication**





History (3/3)

Tean years progressive development

2001 – 2006 : Collection and organization of risk data

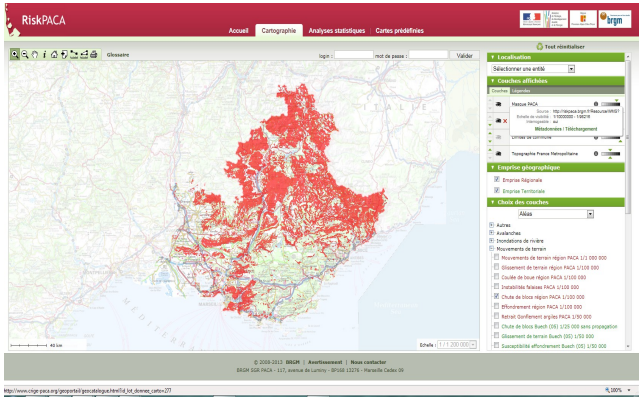
2007 – 2013 : Data sharing, tools and development ; initial structuring of the observatory

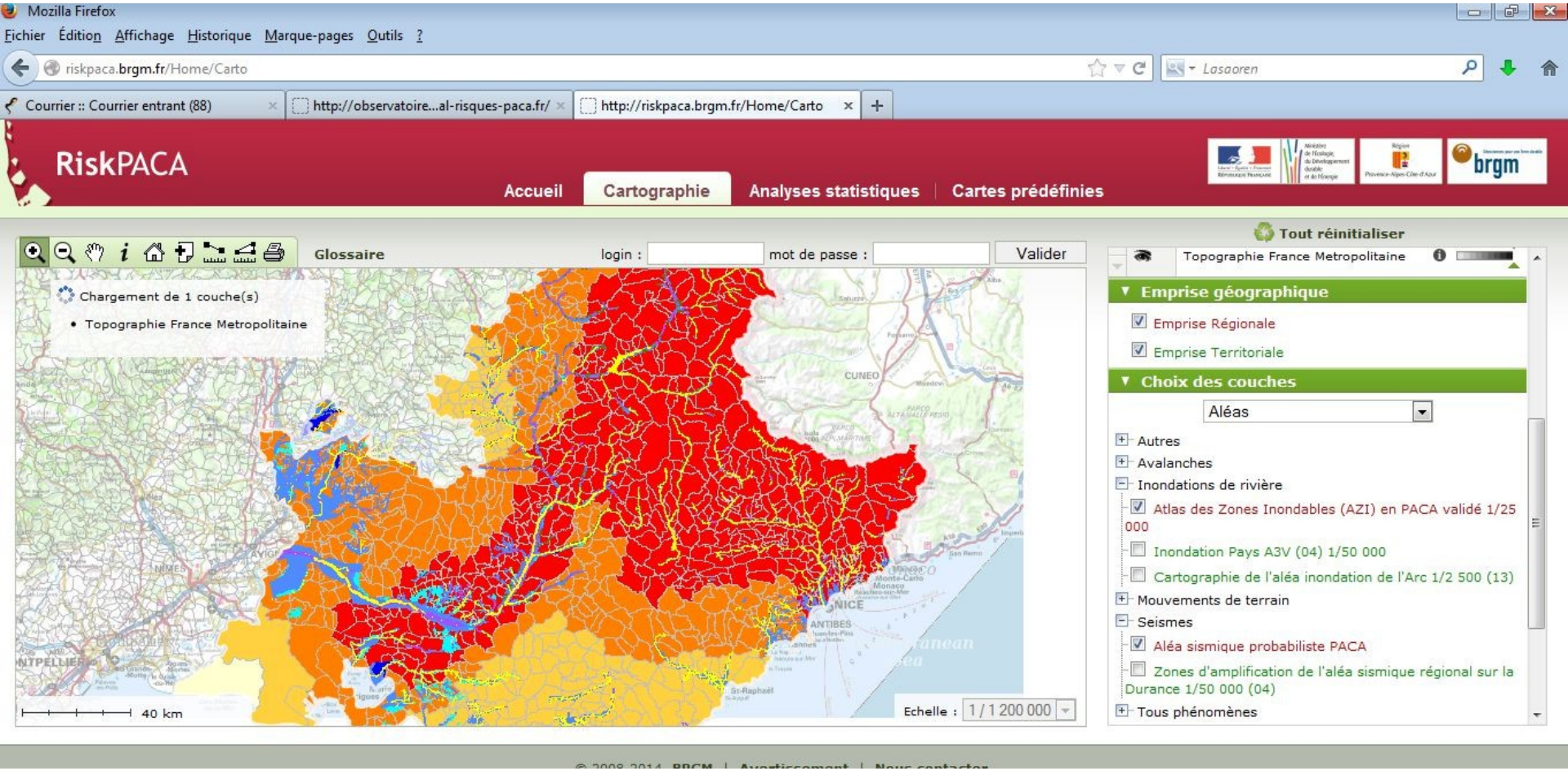
2014 – 2020 : An innovative observatory project

–**Interactive map**

–**Web site**

–**Structuration of the observatory**

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Valider
Chargement de 1 couche(s)
Topographie France Metropolitaine
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Tout réinitialiser
Topographie France Metropolitaine
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Emprise Régionale
Emprise Territoriale
Choix des couches
Aléas
Autres
Avalanches
Inondations de rivière
Atlas des Zones Inondables (AZI) en PACA validé 1/25 000
Inondation Pays A3V (04) 1/50 000
Cartographie de l'aléa inondation de l'Arc 1/2 500 (13)
Mouvements de terrain
Seismes
Aléa sismique probabiliste PACA
Zones d'amplification de l'aléa sismique régional sur la Durance 1/50 000 (04)
Tous phénomènes

Observatory aims (1/2)

Federate regional players (State, Region, collectivities associations, industrials, insurances, citizens...) and knowledge sharing :

- Involving every citizen in risk prevention
- Better observation for better action (needs update and territorial changes)

Observatory aims (2/2)

Better observation for better action

- Helping decision making at different levels
- Knowledge improvement
- Risk exposure information -best practice promotion for risk prevention
- Initiating and supporting: innovative projects, exemplary approaches
- Developing a risk-culture mindset
- Better risk prevention visibility: facilitating exchange between players ; improving anticipation and action
- Partnership development: improving our impact and performance (ex : ONRN – ORRM PACA / national observatory – local observatory)

Short-term priorities

Increasing the visibility of the ORRM PACA

Structuring governance

Partnership Development

« Moi Citoyen » The 1st regional web tool for Prevention information

Consolidating and distributing Post-Event return of experience

Decision making support: Key regional Indicators

Governance

Success conditions :

- A long-term partnership
- Shared objectives
- A pragmatic and progressive process
- Open governance

Structure :

Strategic committee (SC): DREAL – Région – BRGM

Steering committee : SC and 3 players groups / Partners, Technical & scientific stakeholders, users

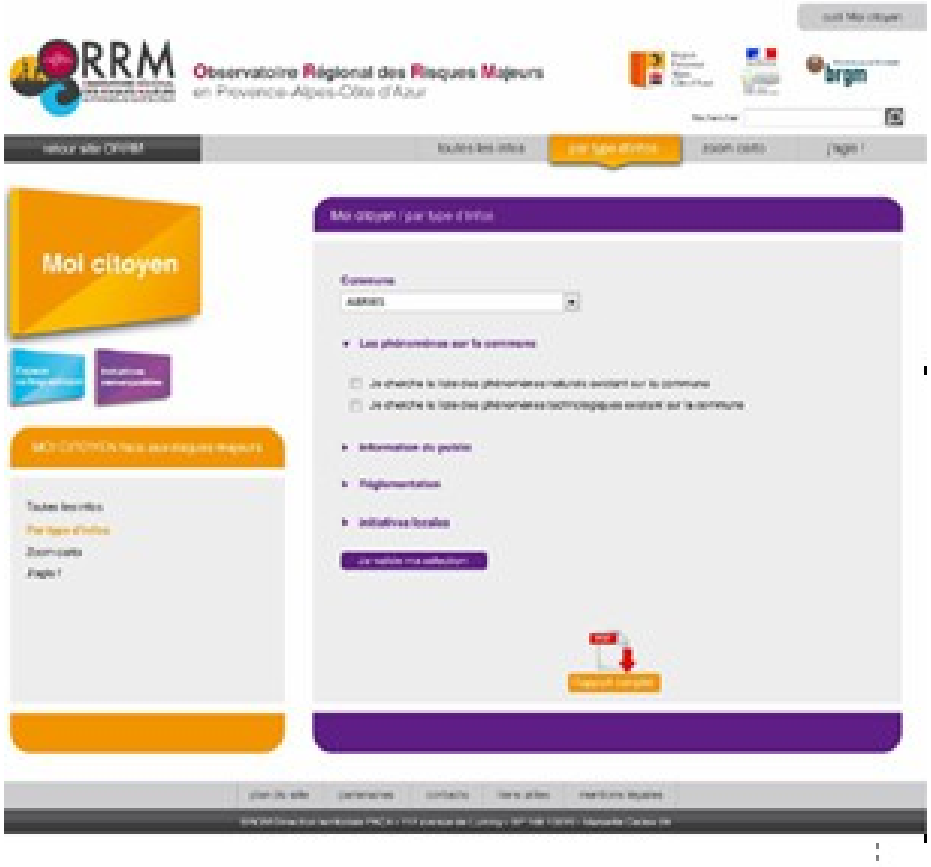
Technical working groups (TWG)

- **Research and innovation**
- **Data production**
- **Indicators**
- **Information and valorisation**

First Steering committee meeting by March 2015

First TWG meetings in 2015

« Moi Citoyen »
The 1st regional web tool for Prevention information



Citizens : players for their own information and knowledge

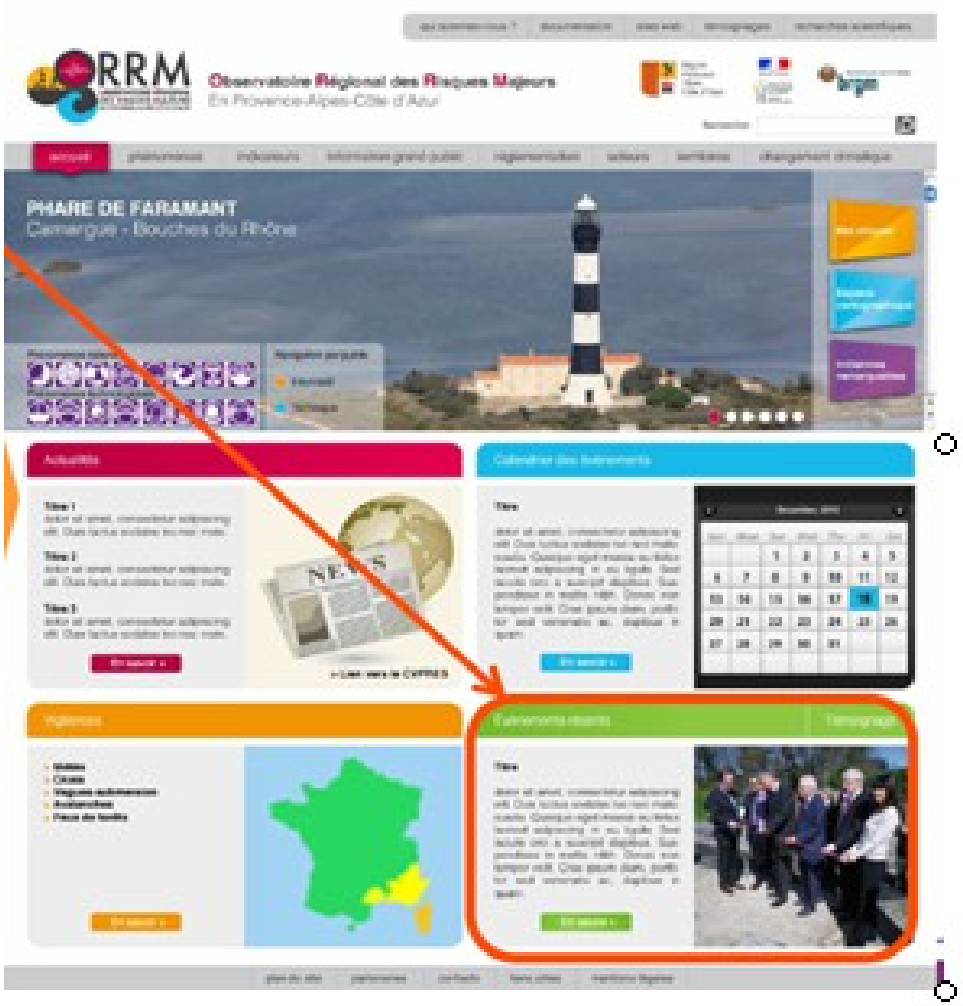
Experience returns

Floods in the Var – January 2014 (3 reports)
Earthquake in the Alpes – April 2014 (1 report, 1 poster, 1 article)
Floods in the Var – November 2014 (in progress)

Experience returns

Participative observation and governance

A web tool is developing to collect ground data during an event

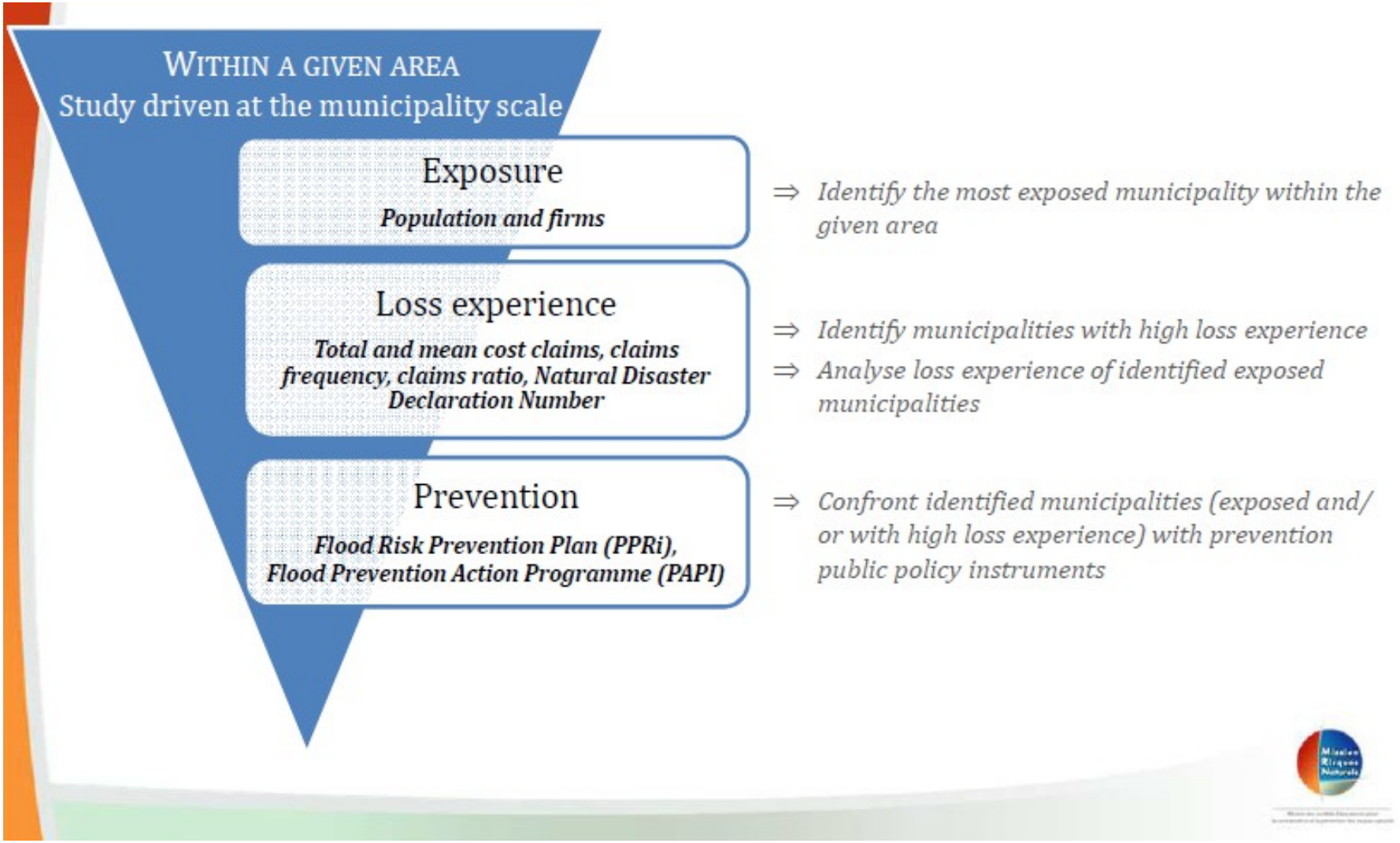


Regional indicators

- **Aims**
  - Follow risk level changes
  - Performance measurement: our regulation and actions
  - Decision making assistance (action prioritisation)

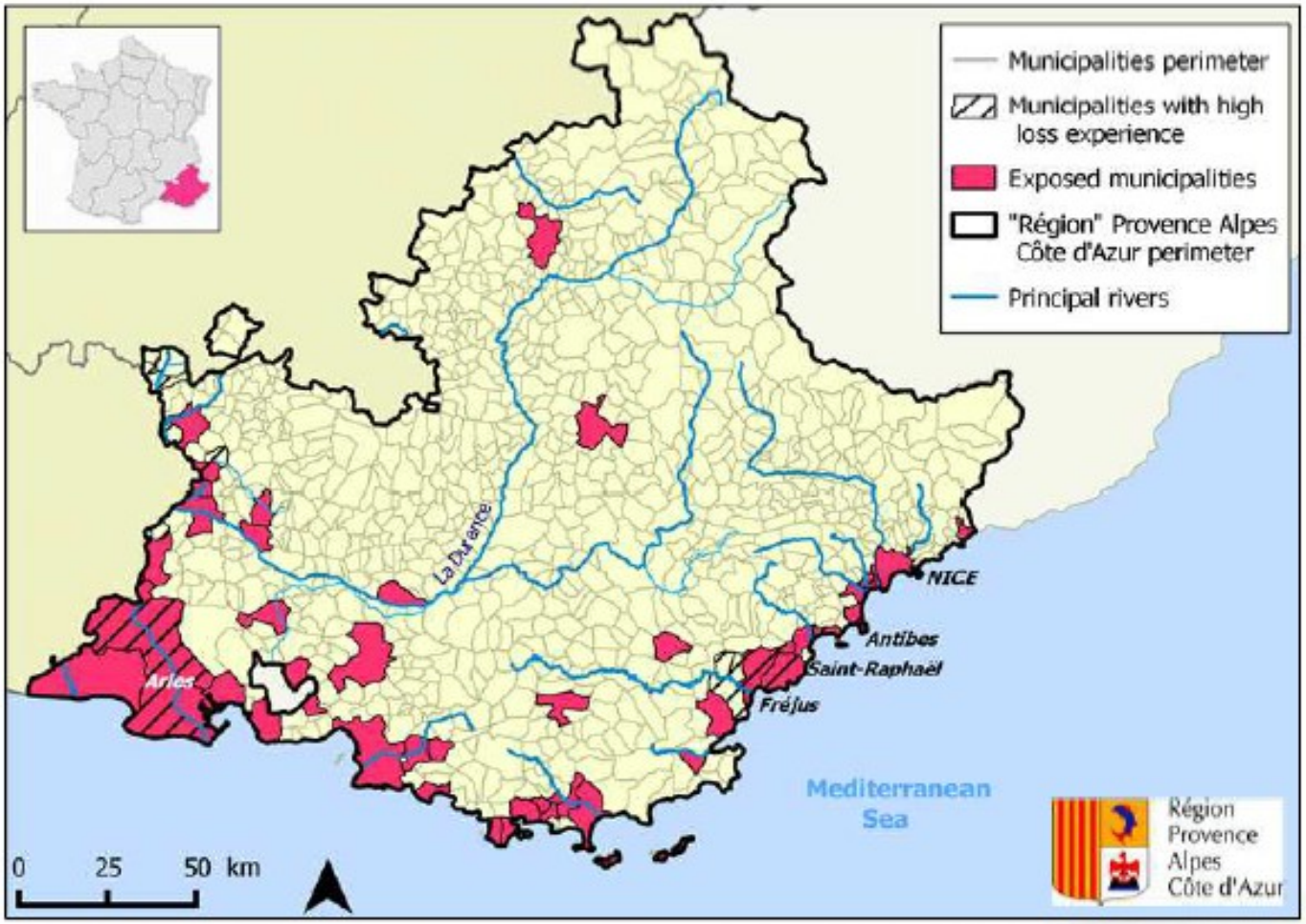
- **National Observatory of Natural Risks (ONRN) Precious help for experimental cross-analysis**
  - Providing an added-value to the national, reliable, homogeneous information contained in ONRN indicators (exposure, loss records and prevention projects).
  - Giving a national diagnosis method on a rapidly changing situation.
  - Drawing conclusions through national information and helping contribute to risk prevention management and prioritisation issue

Regional indicators



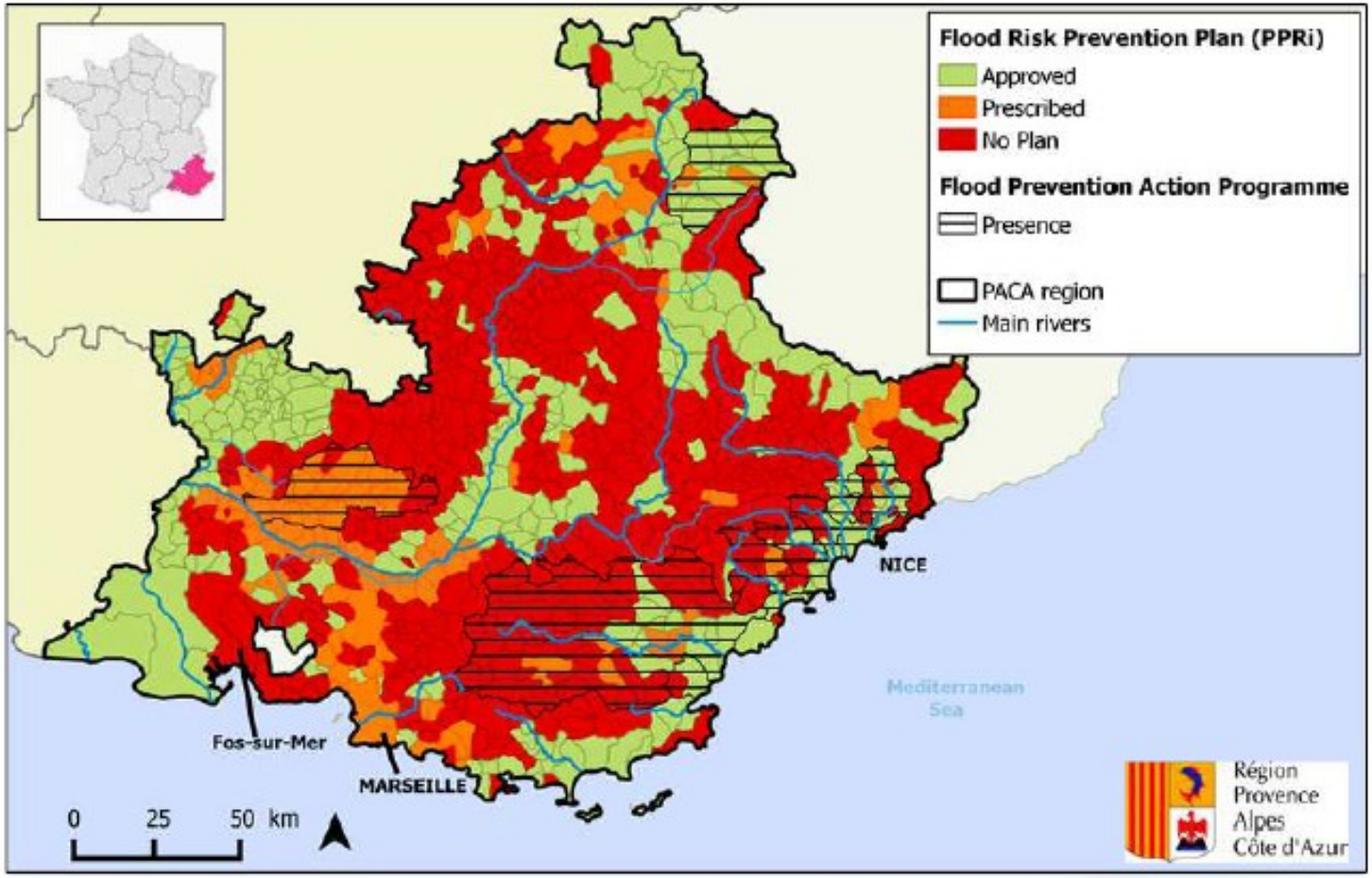
Regional indicators

Identification of municipalities characterized by **high exposure** and/or **high loss experience** within the given area.



Regional indicators

Observation of the development of flood risk prevention tools



Your attention was very much appreciated!

Special thanks to :

Roland Nussbaum – MRN

Patrick Pigeon – Université de Savoie

Hervé Champion and Nancy Spinousa – Région PACA

Ghislaine Verrhiest-Leblanc, Jean-Luc Bussière et Séverine Laporthe – DREAL PACA

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