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 across different levels

11 December 2014 - Bonn

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

- 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.
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
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)

Teen 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
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

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

**Within a given area**
Study driven at the municipality scale

- **Exposure**
  - Population and firms
  - Identify the most exposed municipality within the given area

- **Loss experience**
  - Total and mean cost claims, claims frequency, claims ratio, Natural Disaster Declaration Number
  - Identify municipalities with high loss experience
  - Analyse loss experience of identified exposed municipalities

- **Prevention**
  - Flood Risk Prevention Plan (PPRi), Flood Prevention Action Programme (PAPI)
  - Confront identified municipalities (exposed and/or with high loss experience) with prevention public policy instruments
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!

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