

Introduction

economic actors (lodging tourism).

Illustrations et Context

Geographic situation : PGBEO

Integrated management and participative approach

(participative mapping 3D) on an avalanche prone territory :

How to develop a collective understanding of the vulnerability and of the organization of isolation

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or natural release can cause isolation of the village (during 4 days in 2008).

Access to the village of Névache (Southern Alps, France) is exposed to avalanches. Artificial

The decision to close the road, to release avalanche and after to manage isolation

represent a major preoccupation for risk managers (local authorities). It's a concern for

local and touristic population (350 inhabitants, 50% takes this road daily) or for socio-

To develop a shared local acceptance, based on a mutual understanding of issues and constraints, it is essential to experiment new integrated approach. This approach is based on the better interests of locals communities and implications of stakeholders

Illustrations: avalanche release, road close et road hivernal viability. Photos: Névache, DDT 05, PARN

Scientific approach

The integrated risk approach recognizes people's participation as part of Disaster Reduction (Graph1).

With local authorities, the local population participate at territory's resilience. For this purpose, their knowledges and organizational resources must be integrated into the local management system of risk.



Graph1: Integrating tools of risk reduction (Gaillard)

Scientific approaches (human and social) can help local dialogue on risks, promote participation and development of a local culture of risk (Graph2).

Many tools exist: the consensus diagnostics, Participatory 3-dimensional and mapping GIS. These tools channel catalyse dialogue between and different actors





Graph2: Risk dialogue (Texier)

Methodology and process

Through participatory tools, the expression of needs, problems, but also solutions of different actors (managers, populations, economic actors) is facilitated.

After discussions, elements of the diagnostic are indicated on a 3D map, before to be transposed on GIS to feed local and conventional planning tools of risks reduction (prevention information, security planning, ...).



Illustrations participatory approach : organizational diagnostic, 3D map, GIS transcription. Photos: PARN, Lyon3

References

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Impacts

- Renewal of local risk dialogue with all stakeholders
- Transferable knowledge in local management tools
- ••• Better definition and understanding of local every needs
- An important societal mobilization on a complex and contentious topic

Discussions

- * Participatory approaches are new in France (topdown vs bottom-up)
- The effects of participation are difficult to sustain over time
- Citizen involvement side of risk managers is a gain on a preventive, but also in crisis management.

Institutional partnership:

2





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