

INTERREG III B
« ClimChAlp »



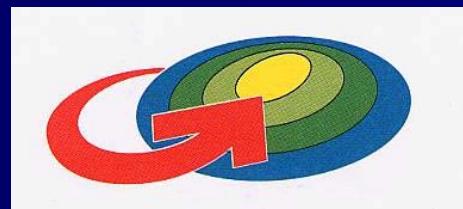
WP 5 MEETING
Rome 29/09/06

Partner : Région Rhône Alpes



WP 5-6-7-8-9

Subcontractor : Pôle Grenoblois
Risques Naturels



TASKS

- French coordination on WP 5-6-7
- WP 5 « Natural Hazards module »
- Ressource for WP 8

Jean-Marc Vengeon

PGRN : a federative research organisation

Network of 180 persons working on natural hazards

(90 researchers, 50 technicians et 40 PhD students)

- 4 universities : UJF, INPG, UPMF and Université de Savoie
- 3 research institutes : CEMAGREF, CEN (Météo-France), LCPC
- 2 public organisations : CETE Lyon, EDF-DTG
- 2 private engineering companies : SOGREAH and ADRGT
- 1 non profit organisation : ANENA

A lightweight structure : 4 permanent persons

Permanent Founding : Conseil Général Isère



Thematic field of PGRN

- Seismic hazard
- Snow avalanches
- Rockfall-avalanches and landslides
- Floods
- Erosion / mountain stream floods – debris flows

Impacts of climate change = new subject (2005)

Permanent common question for the coming years

Activities in WP 5

« natural hazards Module »

1. Network : set up a group of french experts
2. Organize a critical synthesis on the impacts of climate change on natural hazards
3. Report to WP 5 and link with « Climate change module »
4. Link to other WP (ex : WP 7)

1. Network : set up a group of french experts

Hazard	Landslides / rockfall	Debris flows	Alpine rivers floods
External experts	O. Maquaire (Univ. Caen) Y Guglielmi (Univ. Nice) P. Desvarreux (ADRG)T JP Requillart (ONF-RTM)	C. Obled (INPG) D. Duband (CSM) JP. Requillart (ONF-))	C. Obled (INPG-LTHE) D. Duband (CSM) M. Lang (Cemagref Lyon) JP Bravard (ZABR)
Partners	D Hantz (UJF-Lirigm) P. Potherat (Cete Lyon) C. Delacourt (UCB)	D. Richard (Cemagref)	

Hazard	Avalanches	Glaciers	Permafrost
Experts externes	Y. Durand (CEN) Cemagref :?	C. Vincent (CNRS)	P. Deline (U. Savoie) P. Schönheich (UJF)
partners	D. Richard (Cemagref)		

2. Critical synthesis on the impacts of climate change on natural hazards

- Impulse and organize the exchanges between experts on hypothesis of impacts
- Document and track all arguments and references, online available process
- Synthesize the experts meanings for each impact



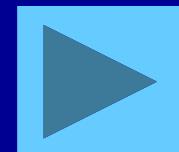
- Documents and dialog platform
- Mailing list of experts
- Workshop

2. Critical synthesis : Documents and dialog platform

- References : articles, reports, expert writings...
- Insert references in a logical matrix
- Insert every argument in the right « hypothesis discussion» box and track references
- For each reference : standardized synthesis file + link to the original file or contact address

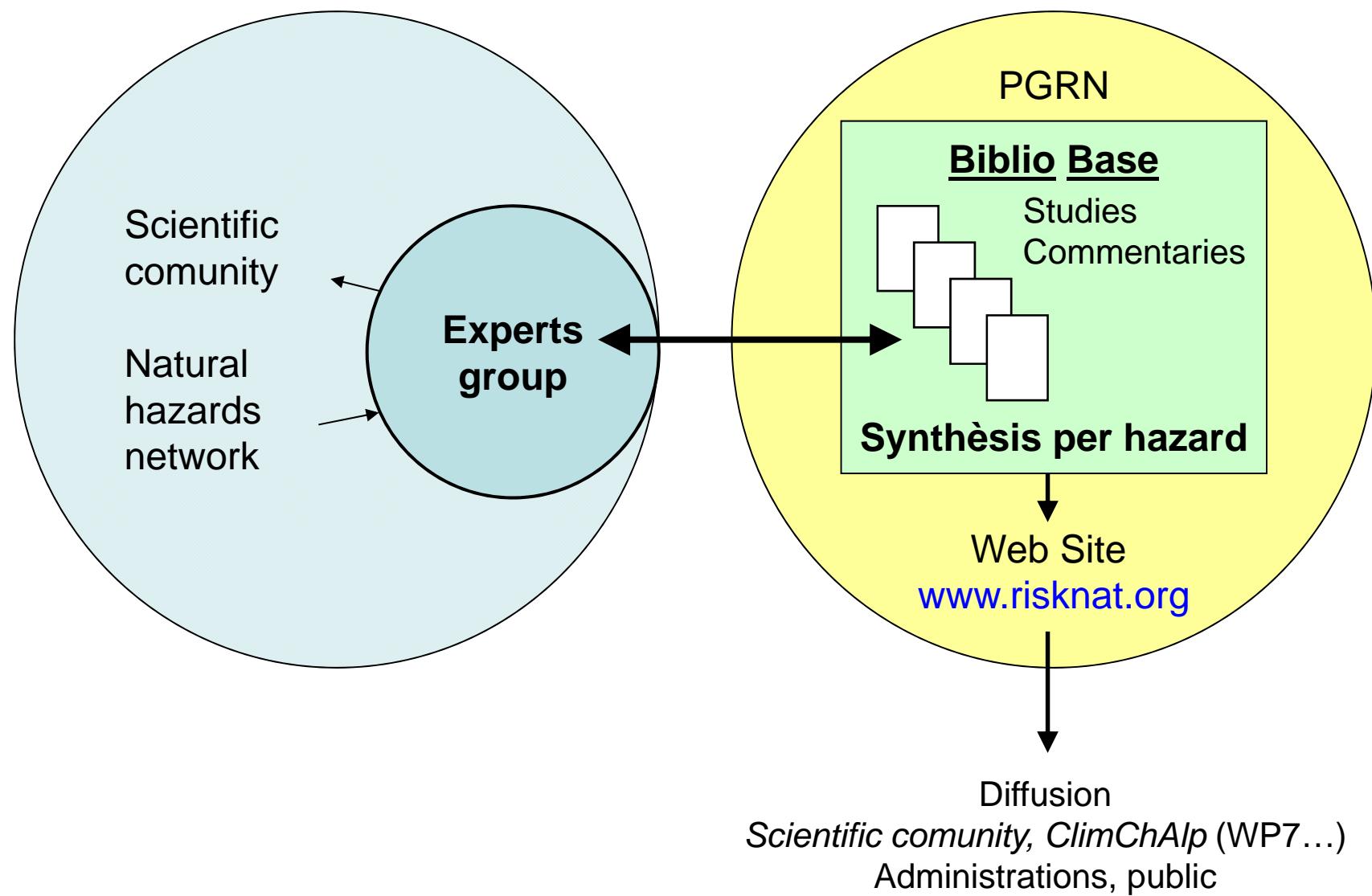
2. Critical synthesis : Documents and dialog platform

- Subjects : impacts on nature, impacts on natural hazards, synthesis published, recomandations
- Impact argument hierarchy :
 - Observed impacts
 - Computed, modeled, demonstrated impacts
 - Possible impacts

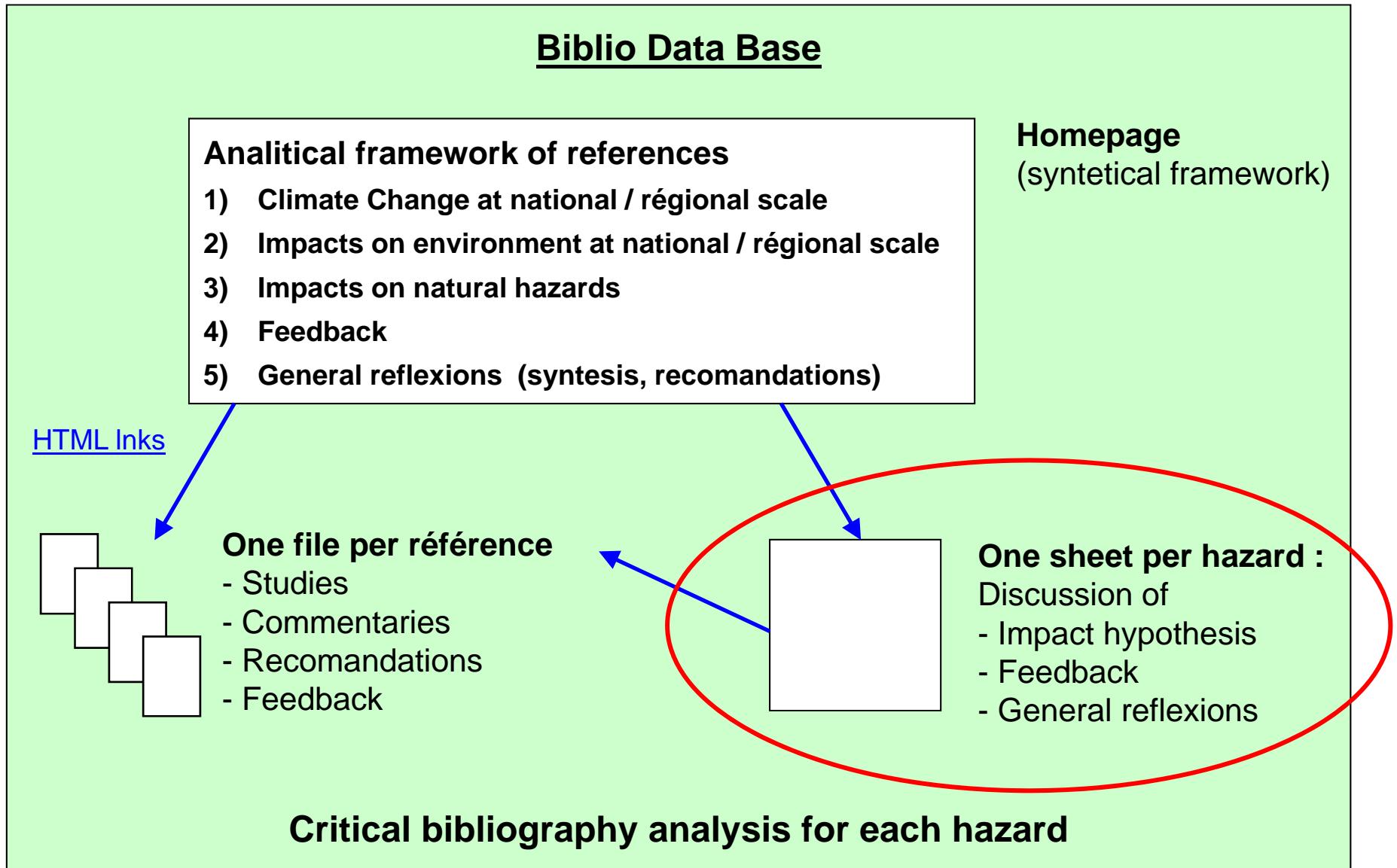


ClimChAlp WP5 : Module « Natural hazards »

French expert group animation



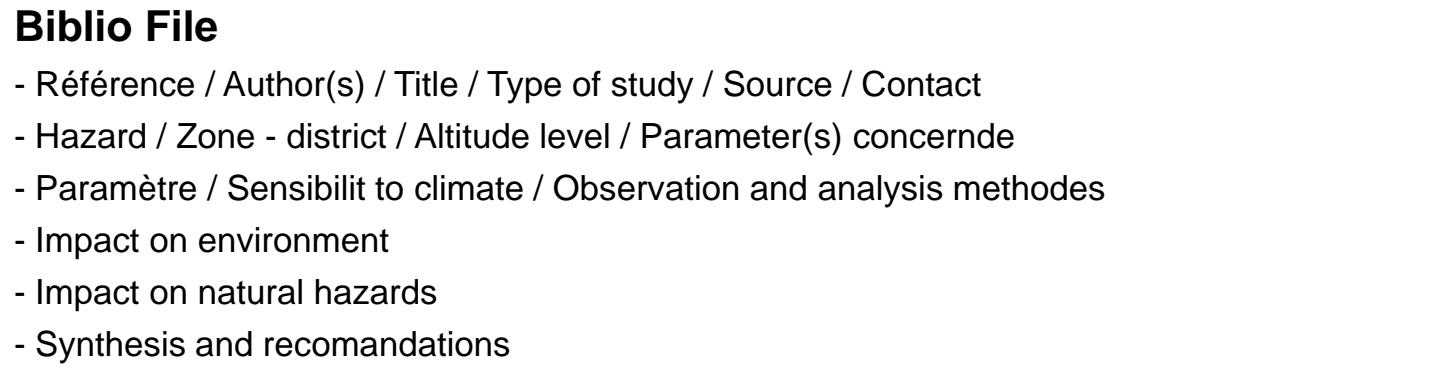
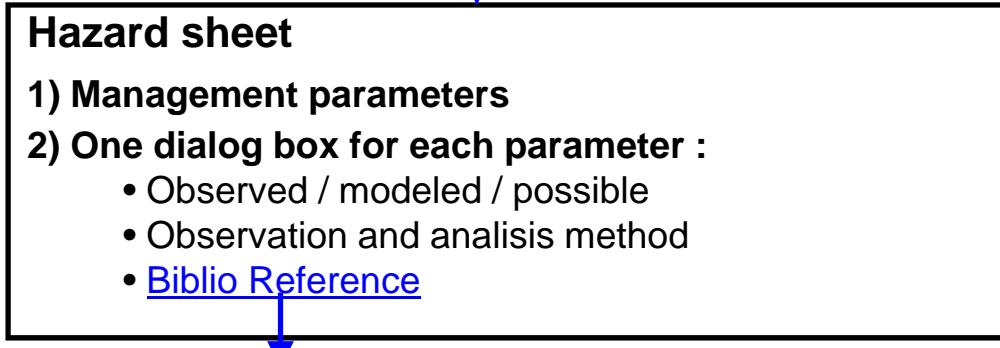
Content of the Expert Dialog platform



Fields of the Biblio data base and navigation

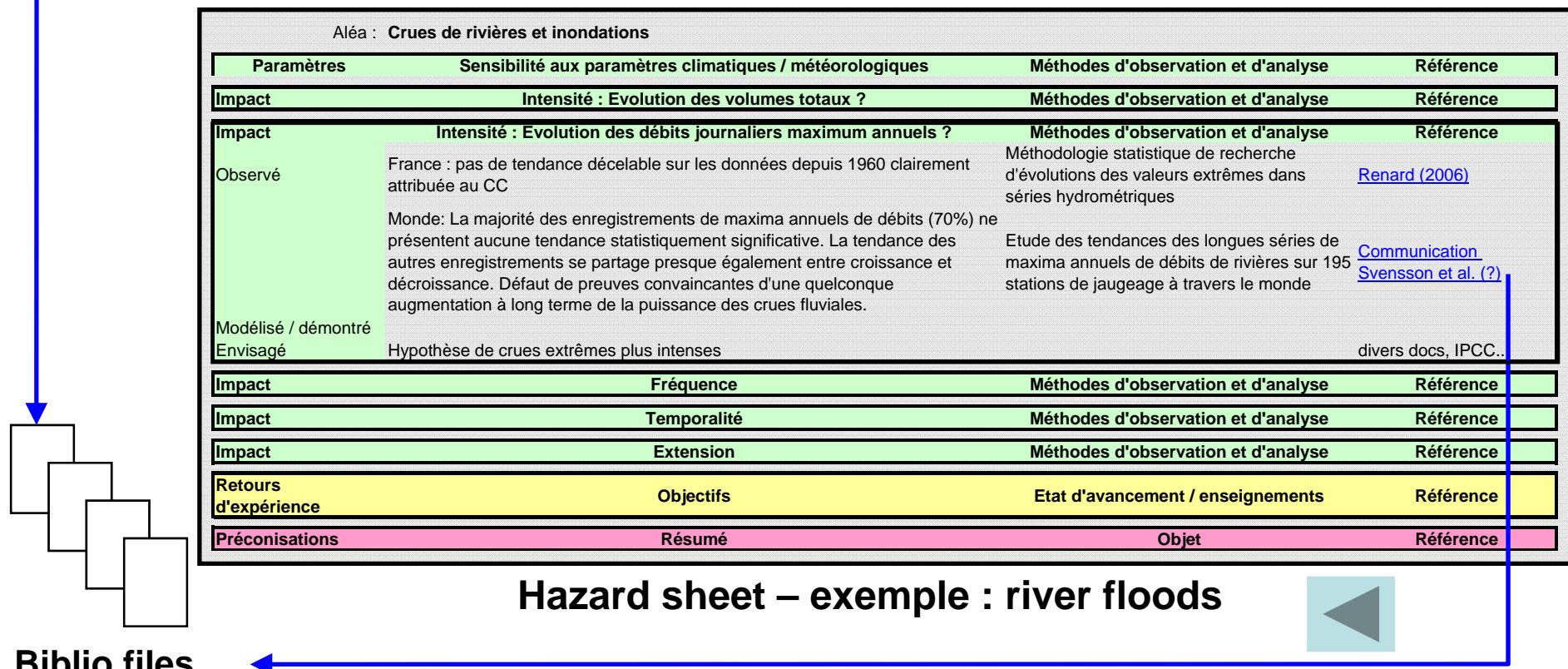
Homework

Analysis frame : positionig of références (HTML link)	
1) Changements climatiques nationaux / régionaux	Température / Précipitations / Wind
2) Impacts sur le milieu naturel national / régional	Rivers regime / Torrents regime / snow covert / Erosion / Underground water / Régime of permafrost / Regime of glaciers / Forest – vegetation
3) Impacts sur les aléas naturels	River floods / Torrents floods and debris flows / Avalanches / Landslides / Rockfall – rock avalanches / Glacial hazards / Storms / Forest fires
4) Retours d'expérience	
5) Réflexions générales (synthèse, préconisations)	Synthesis / recomandations / Others



Fields of the Biblio data base and navigation

Impacts du changement climatique sur les ALEAs naturels ("hazards")	Inondations - rivères	Analysis frame : positioning of références (HTML link)
Impacts observés	Renard (2006)	
	Lins (?)	
	Götz & Raetzo (2006)	
Impacts modélisés ou démontrés		Extract from homepage
Impacts envisagés (sensibilité)	Seiler (2006)	



2. Critical synthesis : time schedule

Achieved

- Platform conception and test (PGRN)
- French document inventory < 2005 (ONERC)

Guillaume Prudent : questionnaires to all
french institutions, synthesis

2. Critical synthesis : time schedule

Going on

- Validation of parameters for each hazard
- Insert WP 7 « Impact matrix » references + others and collect first reactions of experts
- Update, syntetize and insert bibliography
 - ONERC (nov-dec 2006) for < 2005
 - PGRN (oct - march) > 2005

2. Critical synthesis : Documents and dialog platform

To come

- Online availability, weekly updated (october 2006)
- Synthetize arguments (winter 2007)
- Expert workshop spring 2007 to conclude :
 - common statement
 - polemical point
 - lack of knowledge

3. Reporting to WP 5

To come

- Online availability of dialog platform (october 2006)
- Link to « WP 5 climate change module » : express relevant climatical parameters for each hazard (winter 2007)

4. Link to other WP

WP 7 : Impact matrix to be urgently discussed /
completed by WP5 : urgent !

WP 8 : waiting for impacts / adaptation strategies
recommendations : summer 2007 sufficient ?



Contact soon
and discussion at Bolzano ?

Objectives

- Fulfill task during the project / time schedule
- Continue the process after the end of ClimChAlp
 - Track knowledge and recommendations evolution
 - Dialog platform : basic tool to design future projects contents and to transfer state-of-knowledge to risk managers
- Extend and intensify networking activities

Thank for your attention