

National observatory on
the effects of global warming

General directorate
for energy and climate

Science-policy interactions for CC adaptation in France



Europe adapts to climate change workshop

Utrecht, september 14-15, 2009

Ressources, territoires et habitats
Énergie et climat
Prévention des risques
Développement durable
Infrastructures, transports et mer

Présent
pour
l'avenir



Ministry of ecology, energy, sustainable development and sea

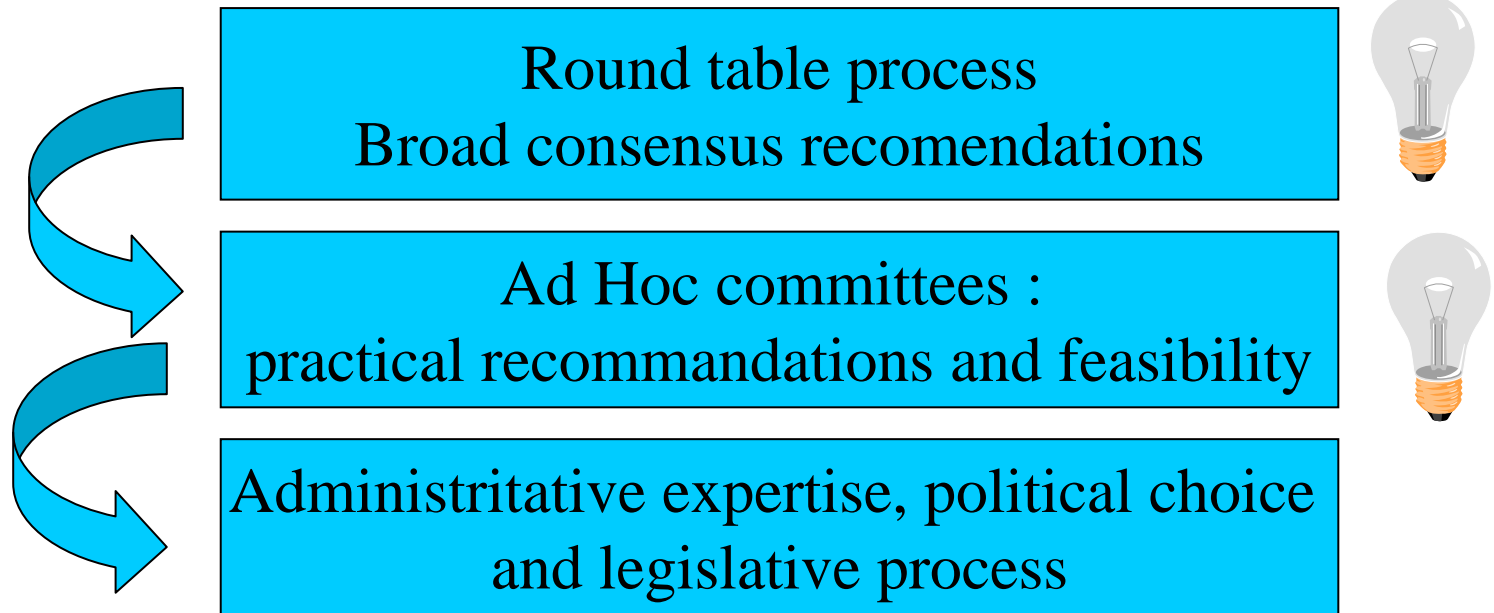
S-P interaction : the French NAS

- ✓ **A broad consultative process led to the French NAS**
- ✓ **Scientific community has been involved in the consultation and the NAS reflects a large consensus on climate adaptation issues**
- ✓ **Several broad recommendation made. Improving climate impact knowledge has been of the final recommendations**

S-P interaction : Grenelle process

- ✓ « Grenelle »-like environmental process in 2007 and 2009

→ Principle



- **Five stakeholder committees (elected members, civil society, administration trade unions of employers and employees)**
- **Specific selected members associated i.e. scientists during the roundtable process and later in the ad hoc “executive committees”**

Grenelle outputs for CC

- ✓ **Promotion of climate change issue in public awareness**
 - visibility of science commitment and speech
 - a way to enable science-based proposal

- ✓ **Enable the Grenelle-laws development on adaptation issues**
 - NAP commitment for 2011
 - promoted mandatory local adaptation strategies for 2012
 - promoted specific case of overseas territories
 - ongoing legislative process for sea and climate issues



Ongoing actions in S-P interaction

✓ ONERC moderates climate scientists network

- scientists consultation on specific issues (i.e. sea level rise) ;
- a data base of simple climate-change related indicators is on line and updated through the network
- workshops for direct dialogue between scientist and local elected members

✓ A quarterly newsletter enhances information on adaptation



→ “Climate is changing : let’s adapt”

→ Send to every French local elected members

→ Climate scientist views and work are presented in a synthetic way

→ indicators of climate change

→ Q/A on climate change at the local level

→ highlight of local adaptation actions to promote local adaptation policies

Ongoing actions in S-P interaction

✓ Costing the impact of CC in France

- first step to launch the NAP process
- scientist, administration and private firm collaboration on sector evaluation of CC costs
- 10 sectors reviewed with coordinated methodologies
- Report to be issued in the days to come (September 21st)
- the process has enabled a review of the main knowledge gaps (observation, impact modelling and adaptation measures)
- Dissemination of scientific knowledge of climate change and adaptation process in public and private stakeholders

On going actions in S-P interaction

- ✓ **Research funding : the GICC programme (1-3 M€/year)**
 - the second phase is on going. Focused on policy oriented research and practical tools
 - outputs : many of the latest modelling of French river flows, hurricanes in the overseas regions, and heat waves ;
 - mainly focused on impact planing, knowledge development and disseminating downscaled data
 - works on adaptation and on practical tools for adaptation have been recently started (as knowledge increases)

- ✓ **Research funding : the ANR programme (1-5 M€/year)**
 - Has mainly funded vulnerability research programmes
 - This year, ANR is funding a specific scientific participative workshops to refine research priorities in adaptation to CC
 - Will enhance research coordination

Future actions in S-P interaction

✓ **Regional and local planning**

- impacts models
- needs to downscale and disseminate information related with local climate modelling
- design local adaptation measures and value local knowledge
- local planning documents to be issued in 2012

✓ **The very specific case of overseas regions**

- significant knowledge gap and significant vulnerability
- lack of downscaled climate models

Future actions in S-P interaction

✓ **National action plan**

- **Broad consultation scheduled in 2010**
- **Broad collaborative approach with research in a Grenelle-like scheme**
- **Consultation output to be valued in the National Action Plan to be finished in 2011**

Identified gaps for S-P interaction

- ✓ **Need for a better science/policy coordination for adaptation to CC**
 - ➔ there's an on going mapping process of “who does what”. Many research centres working on CC but not necessary in a specific or coordinated way
 - ➔ Improve the coordination of research funding on adaptation and climate change impacts needs

- ✓ **Need for a better science-policy dialogue to facilitate adaptation planing and political decisions**
 - ➔ design tools for organisational and technical adaptation
 - ➔ few applied research for adaptation exists : modelling future climate and impacts had to be enhanced but now there is a real need for the next step i.e. action

Thank you for your attention

