



DIRECTION
DE L'EAU

Japan / France seminar 2007

Boosting fight against floods in France

Jean-Paul RIVAUD

Ministère de l'Ecologie et du Développement Durable



Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





DIRECTION
DE L'EAU

Boosting fight against floods in France

- Flooding is the first natural risk in France
- 5 Millions persons concerned in France
- Billions of euros at stake
- Convergent diagnosis proved the need to improve flood risk management

2002 : launch of reform of
the flood prevention policy



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





The reform of the flood prevention policy : 3 parts

DIRECTION
DE L'EAU

- **Legislative** : the law concerning technological and natural risks prevention and damages reparation
- **Financial** : the call for projects, 1st of October 2002.
- **Organizational** : the reform of the flood forecasting organization



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE



DIRECTION
DE L'EAU

The legislative part : « la loi risques »

Law n°2003-699 of 30th of July 2003 concerning
technological and natural risks prevention and damages
reparation : « *loi risques* »

Some important improvements

- To inform, to warn, to develop risk awareness
- To develop new prevention tools
- To facilitate local communities works
- To reduce floodplains vulnerability, to built up the damages





**DIRECTION
DE L'EAU**

The financial part : call for projects

A call for projects for global action
programmes for flood prevention
(PAPI) – 2002

**To promote the aims of the flood
prevention policy**



Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





DIRECTION
DE L'EAU

The financial part : call for projects

The aims

- To enhance river basin approach
- To identify a responsible for defining and following the execution of the work: a “*maître d’ouvrage*”
- To control stakes and vulnerability
- To promote soft techniques for action on hazard
- To improve public information



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





DIRECTION
DE L'EAU

The financial part : call for projects

The answers

- 42 PAPI in river basins or sub-basins selected
- 27 % of French metropolitan territory covered
- 190 M€ State funding between 2003 and 2006
- 500 M€ total spending



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





**DIRECTION
DE L'EAU**



LIBERTÉ • ÉGALITÉ • FRATERNITÉ
RÉPUBLIQUE FRANÇAISE

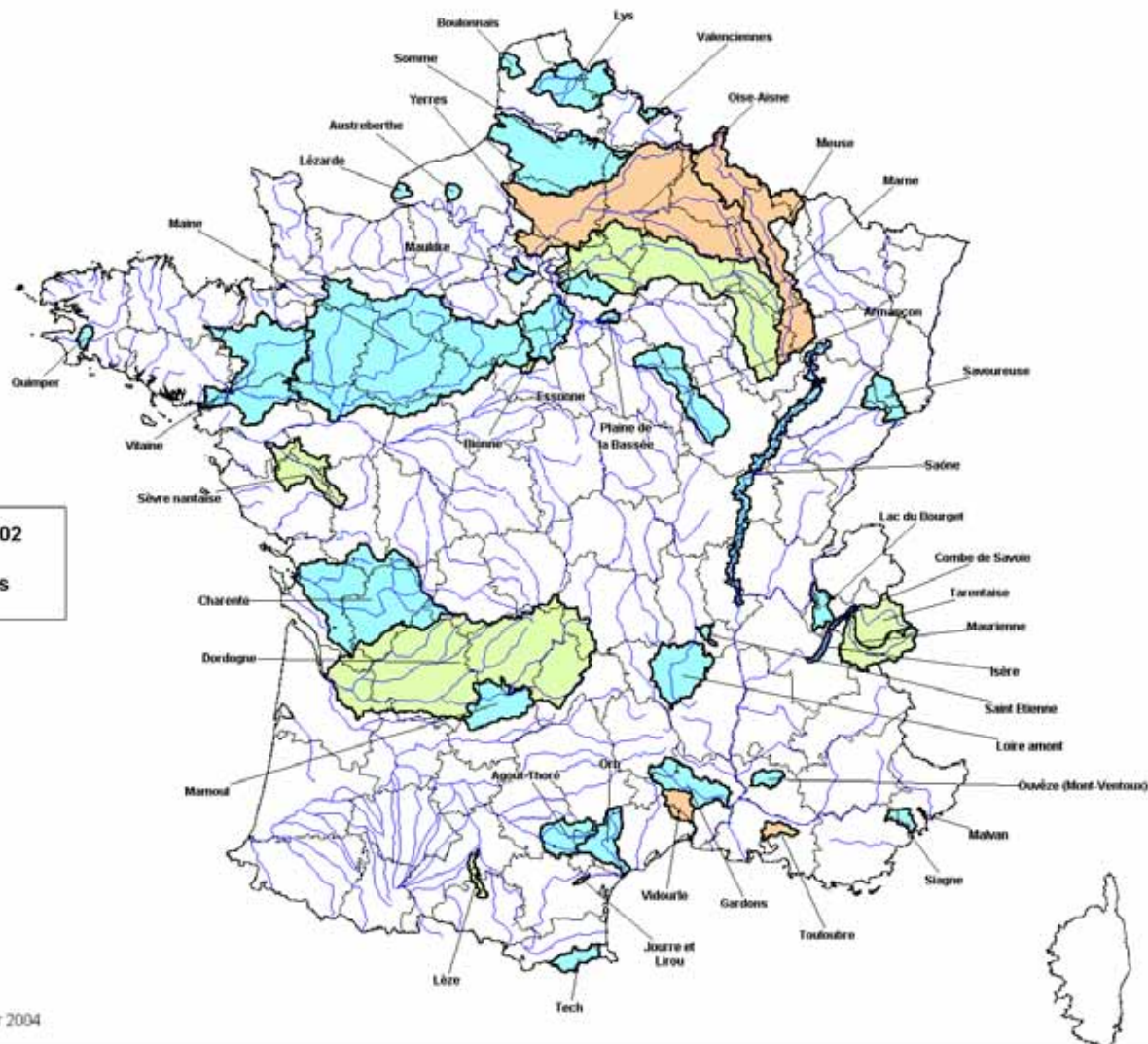


MINISTÈRE
DE L'ÉCOLOGIE
ET DU DÉVELOPPEMENT
DURABLE

**Circulaire du 1er octobre 2002
Appel à projets pour la
prévention des inondations**

Résultat de l'appel à projets

- Couvreuse
- Projets pilotes
- Candidature retenue



Direction de l'eau / SDPGE / BPIDPF - février 2004



LIBERTÉ • ÉGALITÉ • FRATERNITÉ
RÉPUBLIQUE FRANÇAISE

MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE



The organizational part : to reform the flood forecasting organization

DIRECTION
DE L'EAU

Acknowledgments

Forecasting and information are essential to reduce
flood damages

- Flood notification system was insufficient
 - > the information distribution was too slow
 - > the information was insufficient
 - > the information was not comprehensible by the public





The organizational part : to reform the flood forecasting organization

DIRECTION
DE L'EAU

The aims

- To move from flood notification to flood forecasting
- To extend flood forecasting by using current and foreseen state of art of weather forecasting
- To largely distribute an information comprehensible by everybody





The organizational part : to reform the flood forecasting organization

DIRECTION
DE L'EAU

Decisions

- To set up a Central Service of Hydrometeorology and Flood Forecasting Backing (SCHAPI)
- To reform Flood Forecasting Services (SPC)



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





DIRECTION
DE L'EAU

Perspectives

Forecasting is reorganized and public information is improved :

- SCHAPI is fully operational
- New tool available : a flood vigilance catching map accessible on Internet (www.vigicrues.ecologie.gouv.fr)



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





Situation in 2006

DIRECTION
DE L'EAU

Prevention policy is reinforced :

- In 2007, most large rivers will be concerned (Seine, Garonne, Loire, Rhône and Meuse) : 3/4 of concerned population
- Approximately 15 additionnal PAPI



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE





**DIRECTION
DE L'EAU**

Situation in 2006

Improvement of dykes control :

- Ensure systematic controls
- All dykes to be controled until 2010





**DIRECTION
DE L'EAU**

- Measures taken in the context of a European directive on the assessment and management of flood risks
- Additionnal financial means necessary



MINISTÈRE
DE L'ÉCOLOGIE
ET DU
DÉVELOPPEMENT DURABLE

CONCLUSIONS

