

## 3rd Session of the Global Platform for Disaster Risk Reduction Geneva Switzerland - 11 May 2011

**Contribution of social sciences  
academic researches on flooding  
to risk reduction strategy in the  
Loire River Basin (France) :**

**An example of research on  
technical urban network facing  
flood risks**

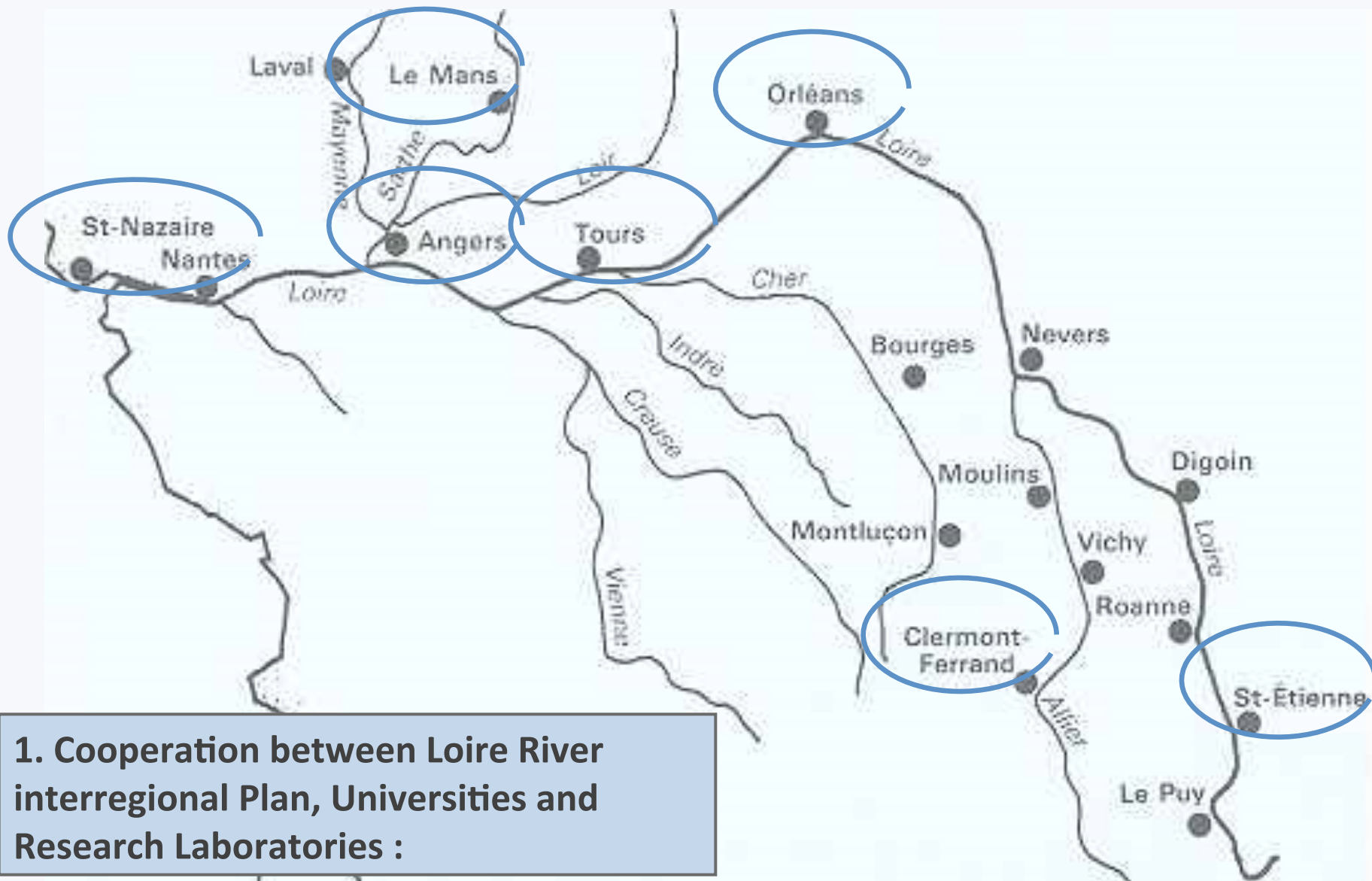


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## Structure of presentation

- 1. Cooperation between Loire River interregional Plan and Universities.  
Besides evaluations, a support for social sciences researches on flood reduction**
- 2. Urban development, environment transformation and natural risk :  
Three examples of three projects in urban and environmental studies**
- 3. MADIS, a concrete example of a pragmatic social research on urban networks services and flood risk prevention**



**Toward new interaction between flood managers and academics researches**

## 2 - Besides evaluations, a support for social sciences researches on flood reduction

### Three examples of projects in urban and environmental studies

#### BONTAN

Evaluation of vulnerability for biodiversity and for urban spaces in Loire flood risk scenario



#### ACCELL

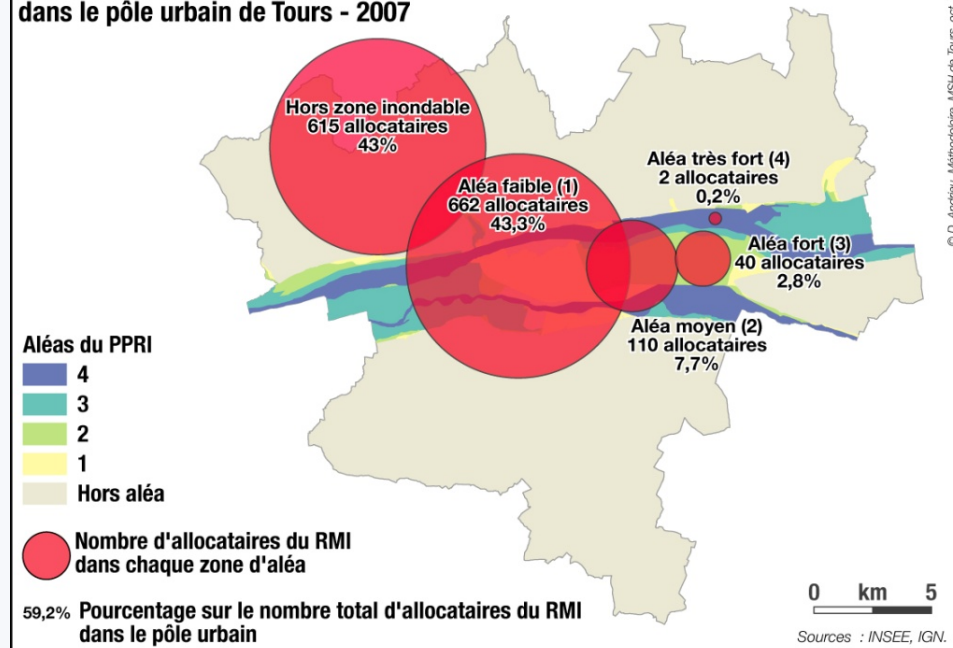
Time and space evaluation of vital/social importance points accessibility in case of flooding



#### METHODOLOIRE

Economical losses evaluation methodology of flooding consequence in Loire river basin

Estimation des allocataires du RMI en zone inondable dans le pôle urbain de Tours - 2007



## 5. MADIS, concrete example of a pragmatic social research on urban networks services and flood risk prevention



- Hypothesis : a lack of interactions between urban development public policies and technical urban network management implies a « recalcitrance » of flooding risks (November, 2010)
- Methodology : A sociology of daily work from local civil servants and municipal representatives
- Research axis for explanations :
  - *local governance transformation* : context of competition between levels of local public authorities for fundings and legitimacy & between private sector and public authorities
  - *tools of action* : a strong belief in GIS & mapping, an endless technical improvement on network and infrastructures, new civil security plans (safeguard, evacuation)

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