



# IRPA 12

## **Involvement of local stakeholders in the development of new information schemes for the displaying of environmental radiological monitoring results**

Session STS III : Stakeholder Engagement in Practice

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# Involvement of local stakeholders in the development of new information schemes for the displaying of environmental radiological monitoring results

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# The pilot action environment Loire (APEL)

## Context - objective

- Evolution of radionuclides concentration in the environment and associated potential health impacts are key and legitimate questions for the population living around nuclear facilities and for Local Committees
- Environment monitoring is one of the core missions of IRSN, the French reference institute for nuclear safety and radiation protection
- ANCLI, the national association of Local Committees and IRSN decided in 2004 to **launch a pilot action**

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**To build up together, in the frame of a river basin,  
a way of presenting the environmental radioactivity measurements  
that makes sense to the population  
and provides the public with understandable monitoring tools to make  
their own follow-up**

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# The pilot action environment Loire (APEL)

## A model for presenting data to the public

### □ Common report IRSN-Local Commissions

- **Objective 1** : from a very large exhaustive inventory select relevant data with regards to population expectations
- **Objective 2** : situate the data in a wide historical and geographic context
- **Method** : a pluralistic WG was in charge to write the report

**=> LC members ask that selected data concern not only NPP releases but take also into account other radiologic sources including natural ones**

### □ 3 environmental compartments selected to look at

- quality of air
- quality of rain water and ground water
- quality of food stuff

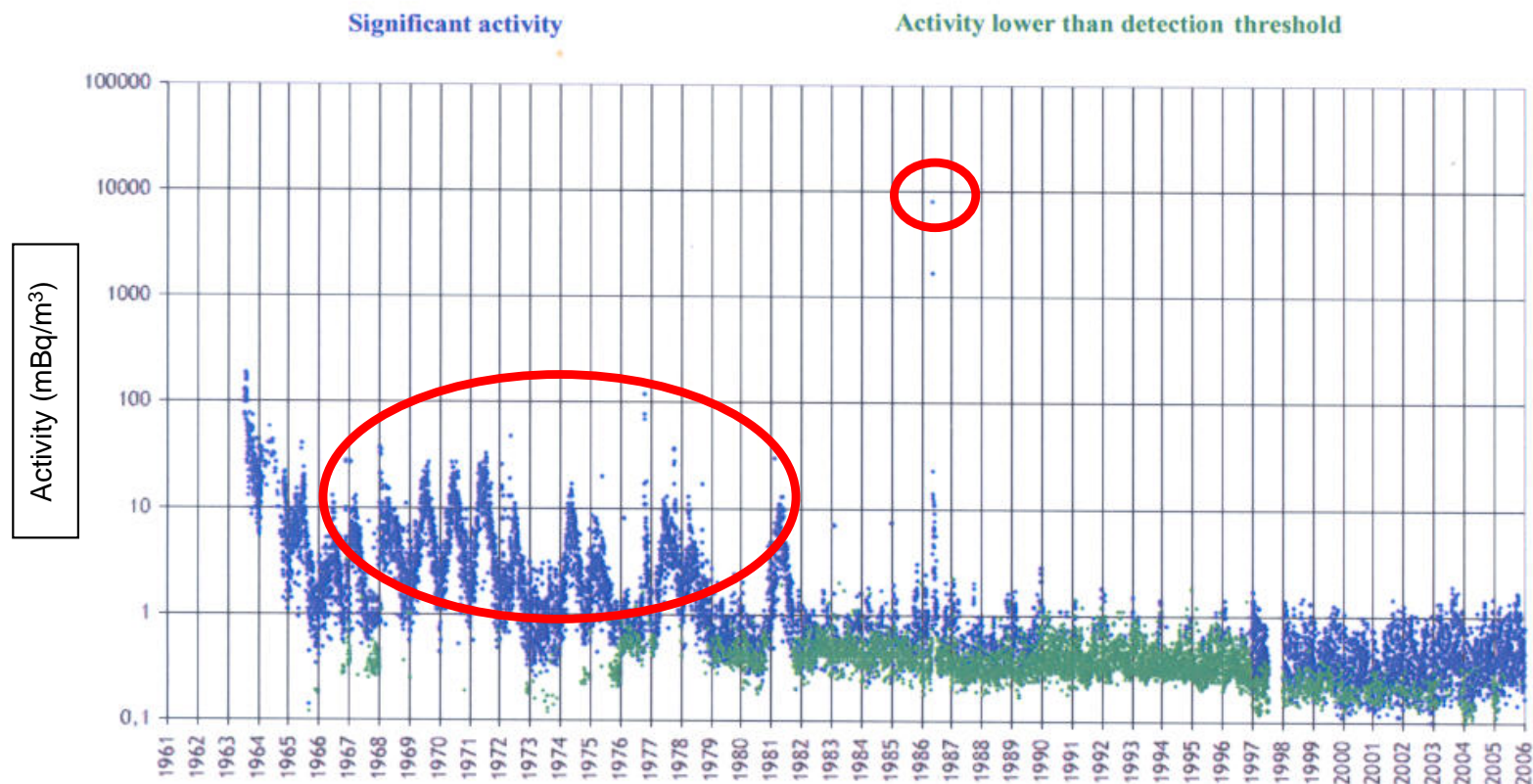
**=> LC paid also specific attention to C14 and H3**



# The pilot action environment Loire (APEL) A model for presenting data to the public

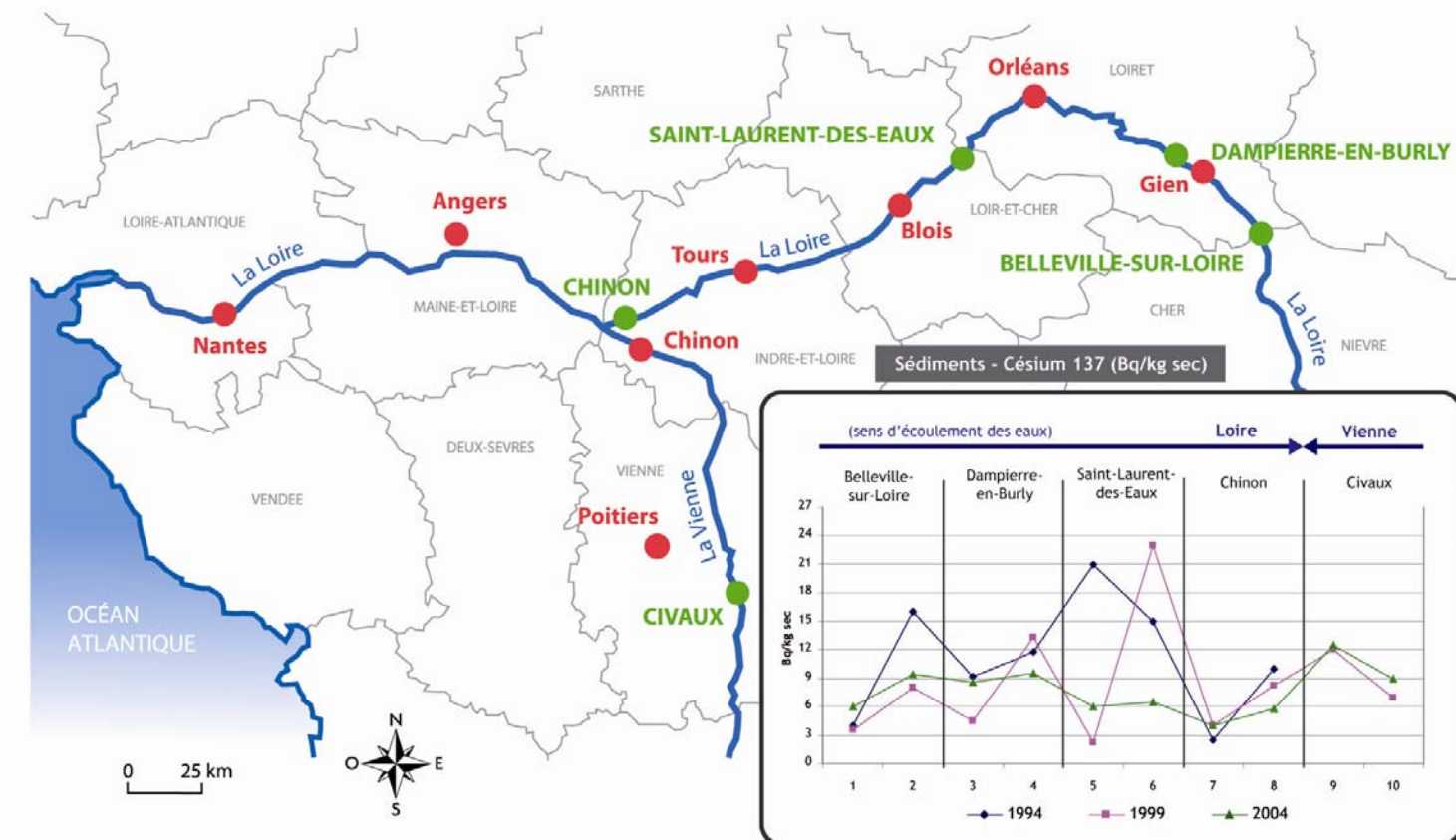
## □ Presenting historical records over a long period of time

*Daily variations in total beta radioactivity in airborne particulates at the Chinon nuclear power plant  
(Source: IRSN)*



# The pilot action environment Loire (APEL) A model for presenting data to the public

□ Using charts and graphics to situate the data in the territory



*Specific activity of cesium 137 detected during annual radioecological monitoring in 1994, 1999 and 2004 (maximum values) in sediments upstream and downstream the nuclear power plants of the Loire drainage basin (Source: IRSN)*

# The pilot action environment Loire (APEL)

## A common work at the service of the population's vigilance

- ❑ This pilot action has been made possible by a well established cooperation between IRSN and ANCLI
- ❑ Such action ask for time and dedicated means from both sides (IRSN and LC members)
- ❑ LC develop their competence on environment monitoring and follow-up
  - It contributes to their mission of transparency and information to lay-people
- ❑ IRSN engineers develop their competence in the understanding of local actors expectations
  - It contributes to improve IRSN work in radioprotection of environment.

