



EUROPEAN FOREST INSTITUTE
ATLANTIC EUROPEAN REGIONAL OFFICE – EFIATLANTIC



FORRISK

**Network for innovative silvicultures and integrated forest
risks management systems**
Final conference 9th of September 2014

**Partners : EFI, ISA, CETEMAS, NEIKER, HAZI, INRA, CRPF, CNPF/IDF,
FCBA, TRAGSA**

Christophe Orazio – Margot Régolini





Integrated forest risk management

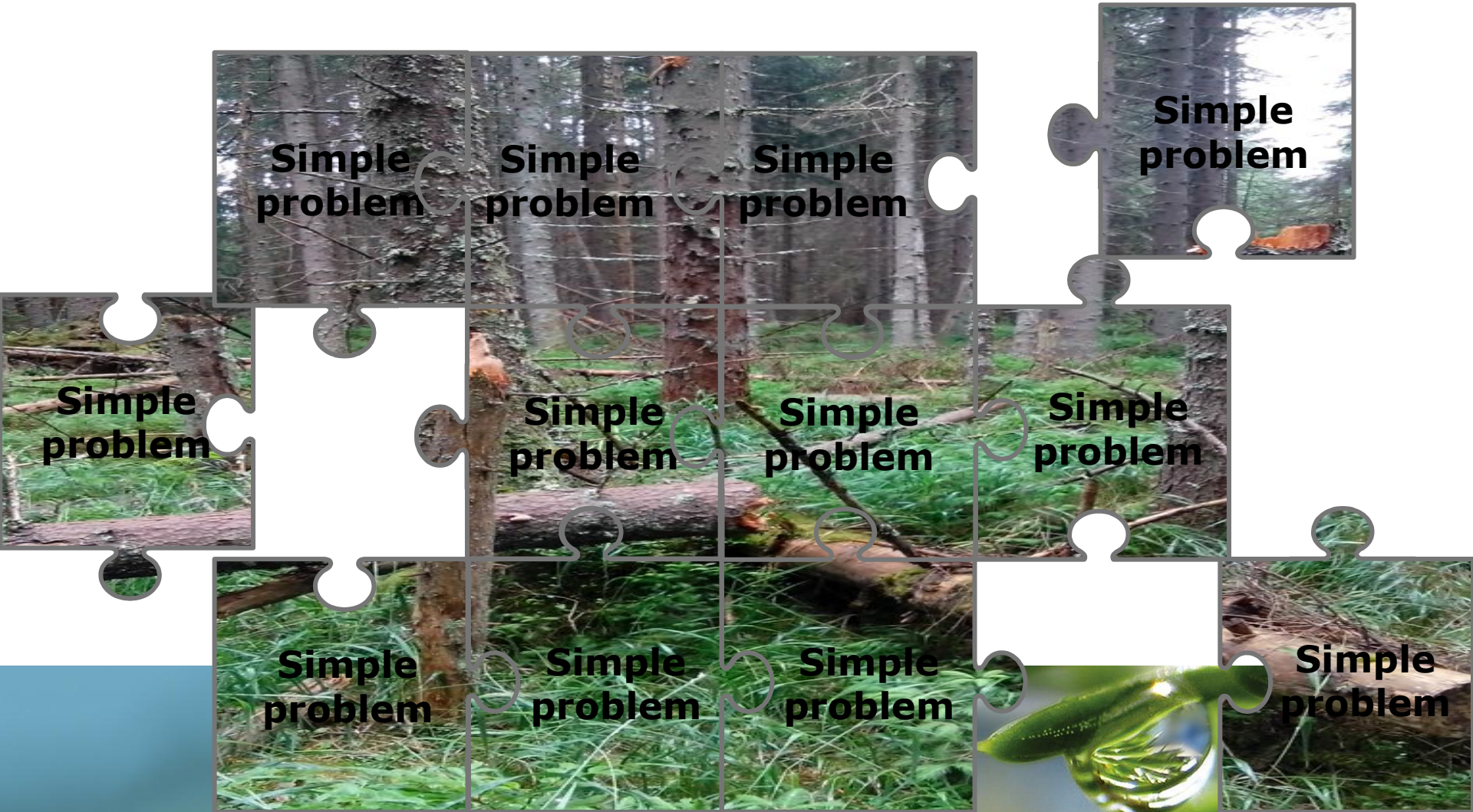
Usual scientific approach:





Integrated forest risk management

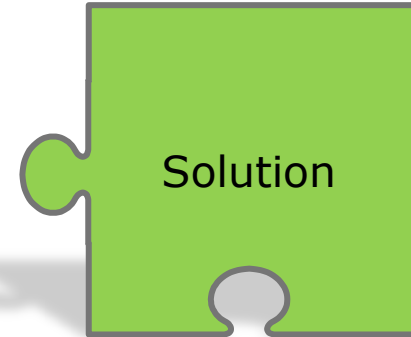
Usual scientific approach:





Integrated forest risk management

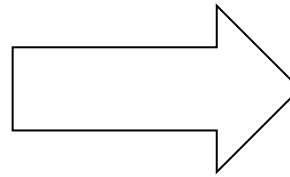
Usual scientific approach based on specialists:





Integrated forest risk management

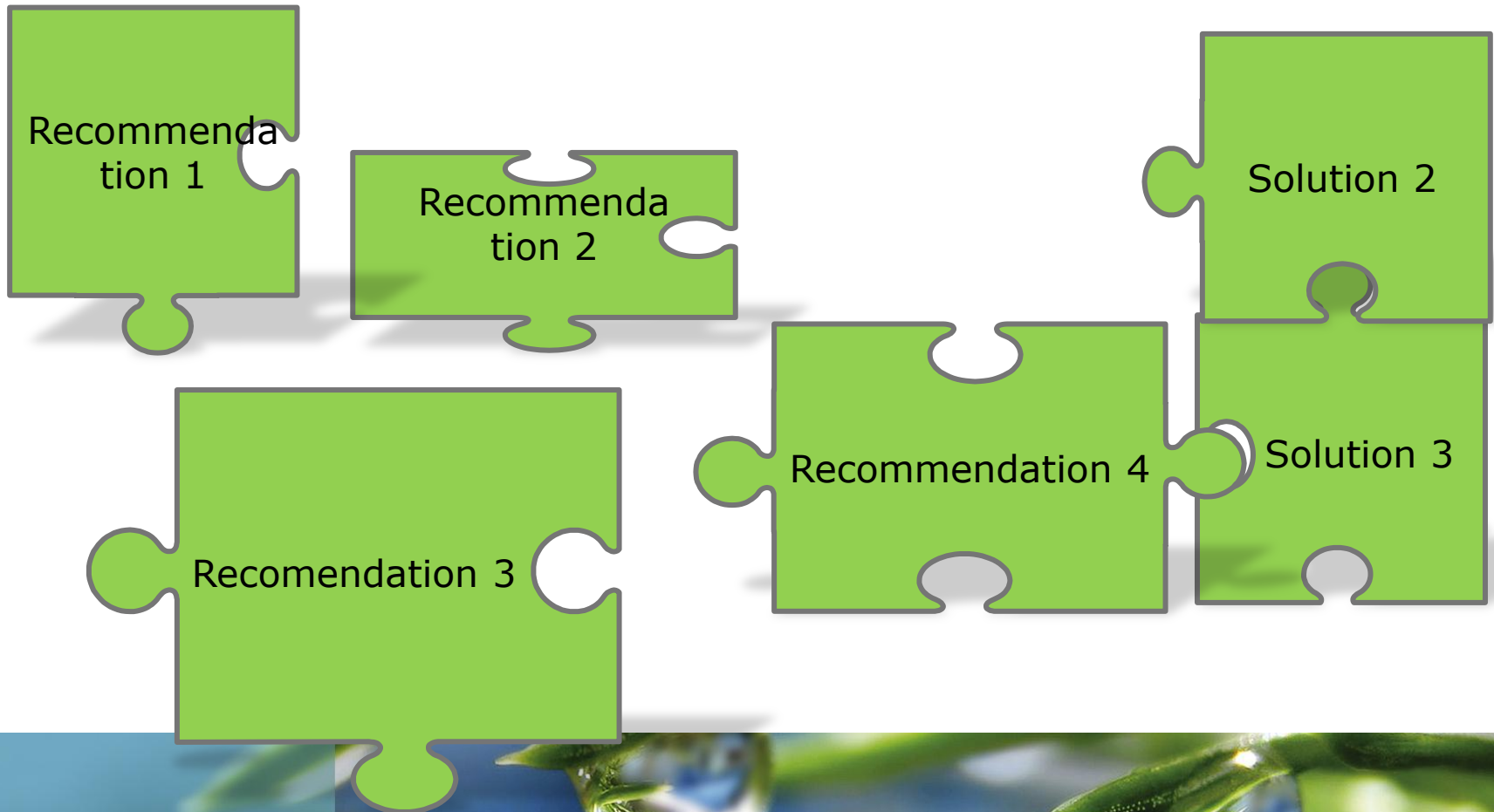
Then we end up with unrealistic recommendations:





Integrated forest risk management

Then we end up with inconsistent recommendations:

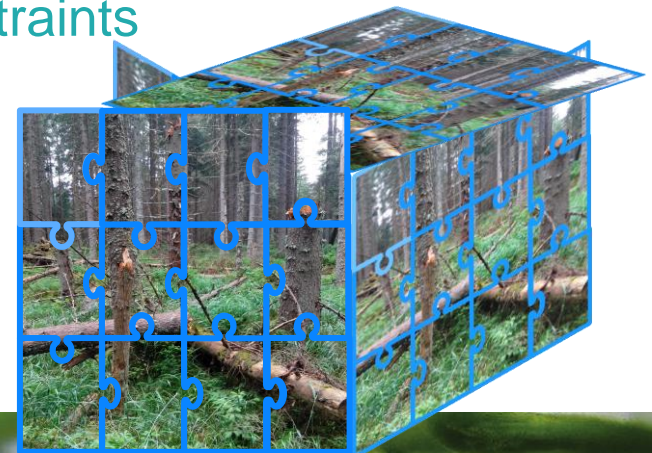




Integrated forest risk management

The concept of integrated forest management is to combine **all dimensions** related to a problem (i.e., SFM)
Integrated forest risk management should combine

- ❖ Prevention and control
- ❖ Risk management and forest management
- ❖ Technical issues and legal issues
- ❖ Ecological constraints and economical constraints





FORRISK diagram

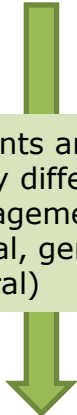
WP 2 :
Institutional tools for risk management

Analysis of existing tools in each region.
Systems comparison.
Improvements proposals.



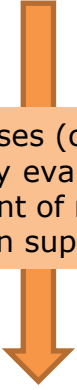
WP 3 :
Risk management

Experiments and analyses to identify different types of risk management (ecological, genetic and silvicultural)



WP 4 :
Risk analysis and decision support tools

Risks analyses (cartography, vulnerability evaluation, etc.)
Development of modeling tools and decision support tools



WP 6 : Project information and dissemination

Interregional workshops on risks: pine-wood nematode and insurance systems

Seminar on existing tools for risk prevention and management

Publications of technical sheets, management guides

Publications of scientific articles, summary documents

Website-Logotype

WP 1 : Project management and coordination

WP 5 : Project follow-up and evaluation



GT2: Institutional tools

Action 2.1 : Existing tools inventory and description for each region of the project



Action 2.2 : Analysis and comparison of existing tools with the project regions



Action 2.3 : Improvement proposals

Inventory and analysis of existing tools for risks management prevention and monitoring :

- Regional scale
- Efficiency
- Multirisks integration?

Comparative analysis of existing systems



Proposals for improving risk management tools regarding biotic and abiotic risks in south-west Europe

- Highlighting possible cooperation between regions





WP3: Risk management

Action 3.1: Ecological management

- Hedgerows protecting the interior of stands
- Broad-leaved patches
- Hedgerows and riparian forest management



Action 3.2: Genetic management

- Resistant varieties to biotic and abiotic risks
- Recommendations regarding forestry reproductive material



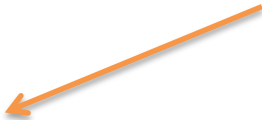
Action 3.3: Silvicultural management

- Silvicultural practices and techniques to prevent forest risks
- Multirisk integration
- Analysis of forest owners' reactions to risks





WP: Risk analysis and decision support tools



Action 4.1: Risk analysis

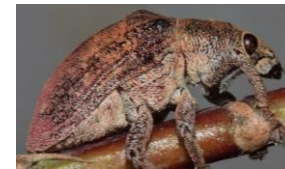
Action 4.2: Modeling tools

Action 4.3: Decision support tools

- Risk evaluation
- Cartographies
- Analyses using satellite data

- Modeling biotic risks (PPM, Heterobasidion)
- Multifunctional models including fire management
- Wind resistance probability model

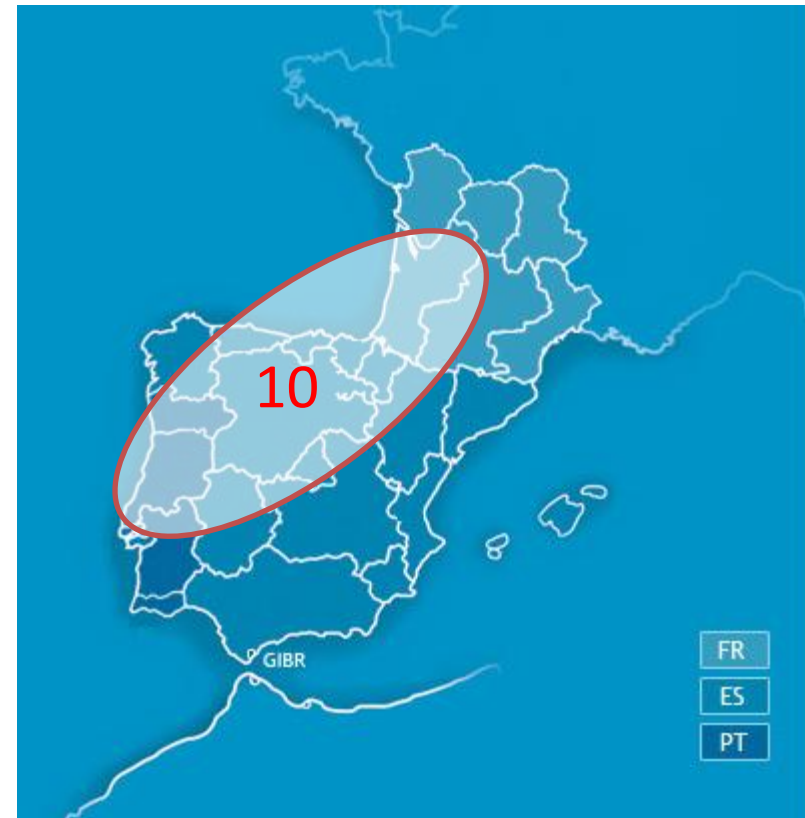
- Using expert systems and multicriteria risks analysis to compare different silvicultural practices (all risks, all regions)





FORRISK : global presentation

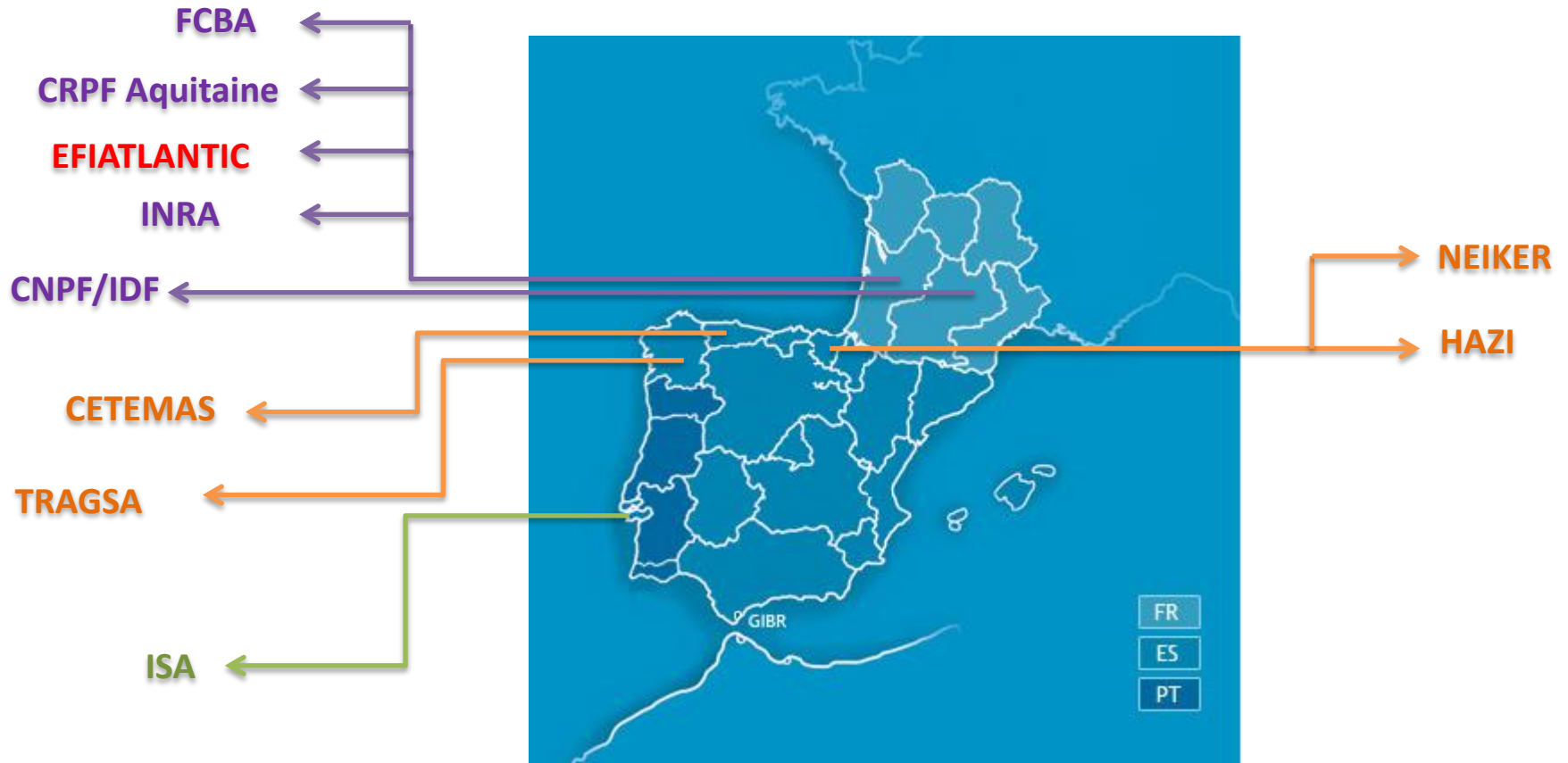
- ❖ Interreg SUDOE project
- ❖ Duration: about 2 years (27 months)
- ❖ Ends on the 31/12/2014
- ❖ Budget: 1 300 000 €
- ❖ 10 partners





FORRISK : global presentation

10 partners : 5 **French** (including the coordinator), 4 **Spanish**, 1 **Portuguese**





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Partners have the floor now

Thank you!

