



## Climate resilient farming and forestry systems and water management



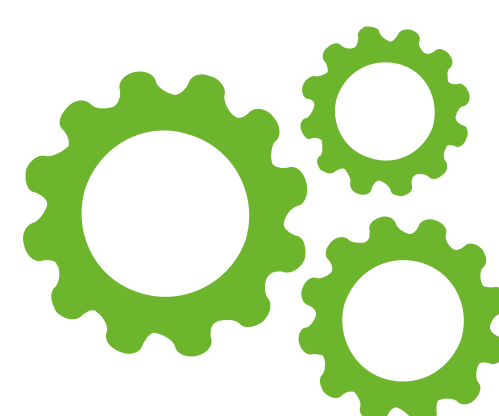
AGRI  
Innovation summit 2019



## Other Multiactor Project

### A French network for forests adaptation to climate change

Réseau Mixte Technologique pour l'adaptation des forêts au changement climatique (AFORCE)



## Practical problem

A network to help forest managers in order to prepare forests to face climate change.



## Partners

CNPF, AgroParisTech, APCA, CA72, EPL88, EFF, LEGTPA19, FCBA, GCF, ECOFOR, IEFC, IGN, INRA, IRSTEA, Météo-France, ONF, SFCDC.



## Calendar

Start: 16/05/2009  
End: -



## Budget

Total amount:  
€220,000/year

## Objectives of the project

AFORCE foundation has been motivated by forest practitioners who recognized that climate change is now a major issue for the future of forests and that it requires easier access to knowledge, joint coordinated initiatives and clear, supported and efficient recommendations to be able to respond appropriately in uncertain and high risk situations. AFORCE aims to fulfill these objectives by: – accelerating knowledge dissemination between research, development, management and training; – providing decision support tools and helping their use; – supervising adaptation initiatives; – informing, organizing exchanges and feedback – supporting experiments of new species or adaptive forest practices.

## Main activities

The network determines its activities according to its scientific and technical programme which is articulated by 3 working themes: – Choice of species and provenances – Risks and economic assessment of management decisions – Adaptation strategies, new forestry and technical innovations. In order to fulfill its objectives and progress with the realization of its program, the network is mobilized around 4 axes of work: – Animation and network development (partnership, exchanges, collaborations...) – Mobilization of collective expertise (seminar, workshops, working groups...) – Incite and initiate R & D projects (call for projects) – Promotion of tools and services (training, website...).

## Expected results

Under climate change context, we need to provide answers on topics with high uncertainty and to achieve awareness of owners. So it is necessary to have a solid basis of knowledge and practical tools in order to translate them into management actions. A task made difficult by the uncertainty about the future climate, but also by the ability of trees to overcome this progressive phenomenon. However, this should not be a barrier to action. There are already, in fact, knowledge, observations and past experience on which the forest manager can support to build a development argumentation. AFORCE has been created to make them known and to ensure their appropriation.

## Results so far/first lessons

AFORCE conducted 25 events, 7 trainings and 32 projects such as: – Factsheets on tools dedicated to the management of competing vegetation and tillage used during planting in order to be more efficient to manage drought conditions – Guide to explain the forest stands daily water balance and its consideration to improve forest management – Decision support key for sanitary status assessment based on tree architecture to determine the reversibility or irreversibility of forest dieback – On-line tool to guide the selection of tree species taking climate change into account – Guide for the management of forests affected by a sanitary crisis, presenting good forestry practices to cope with such situation.

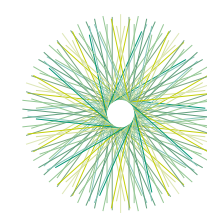
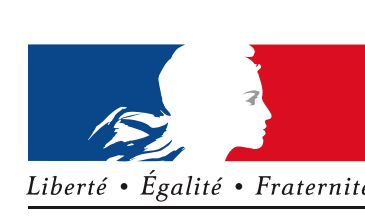
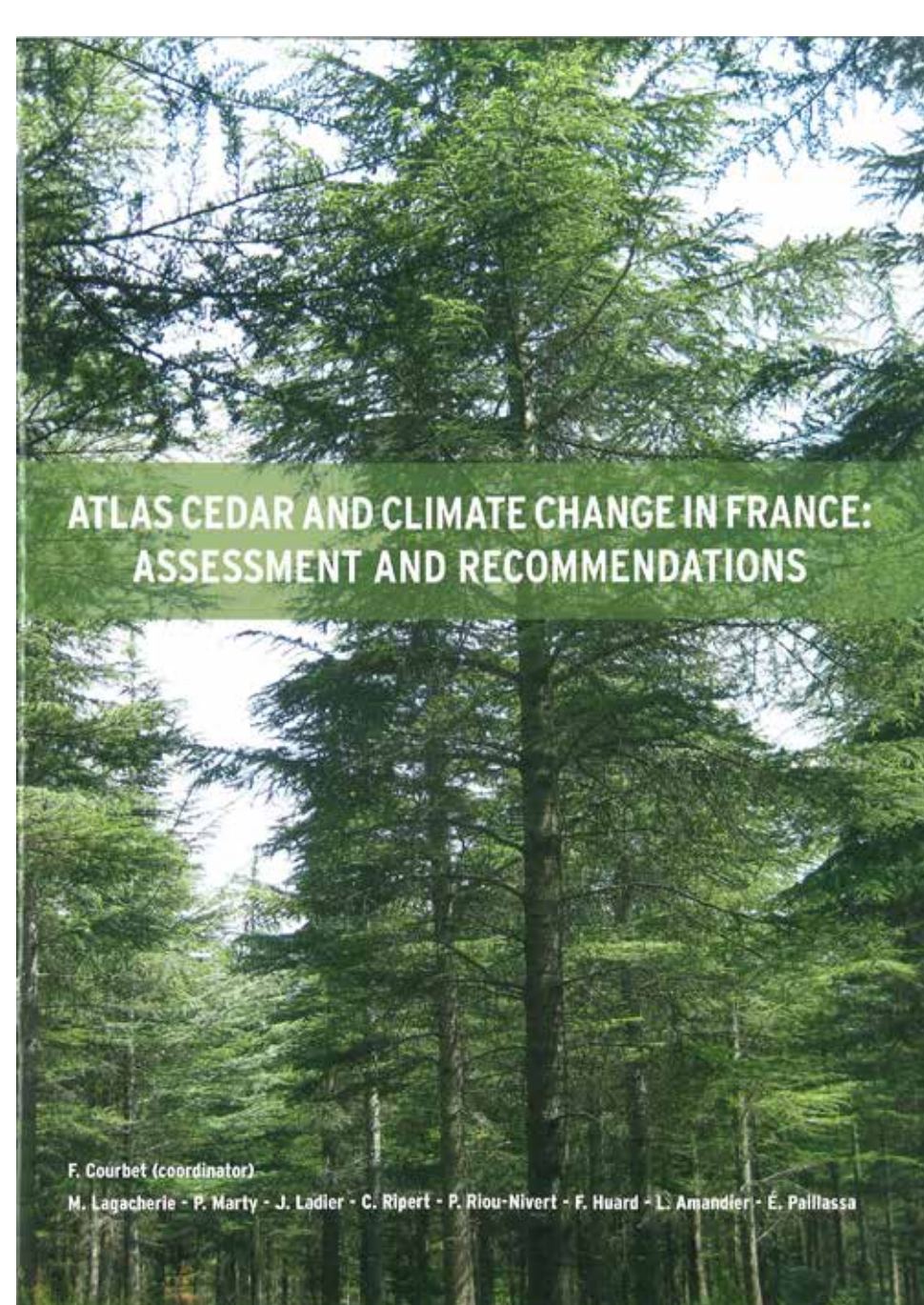
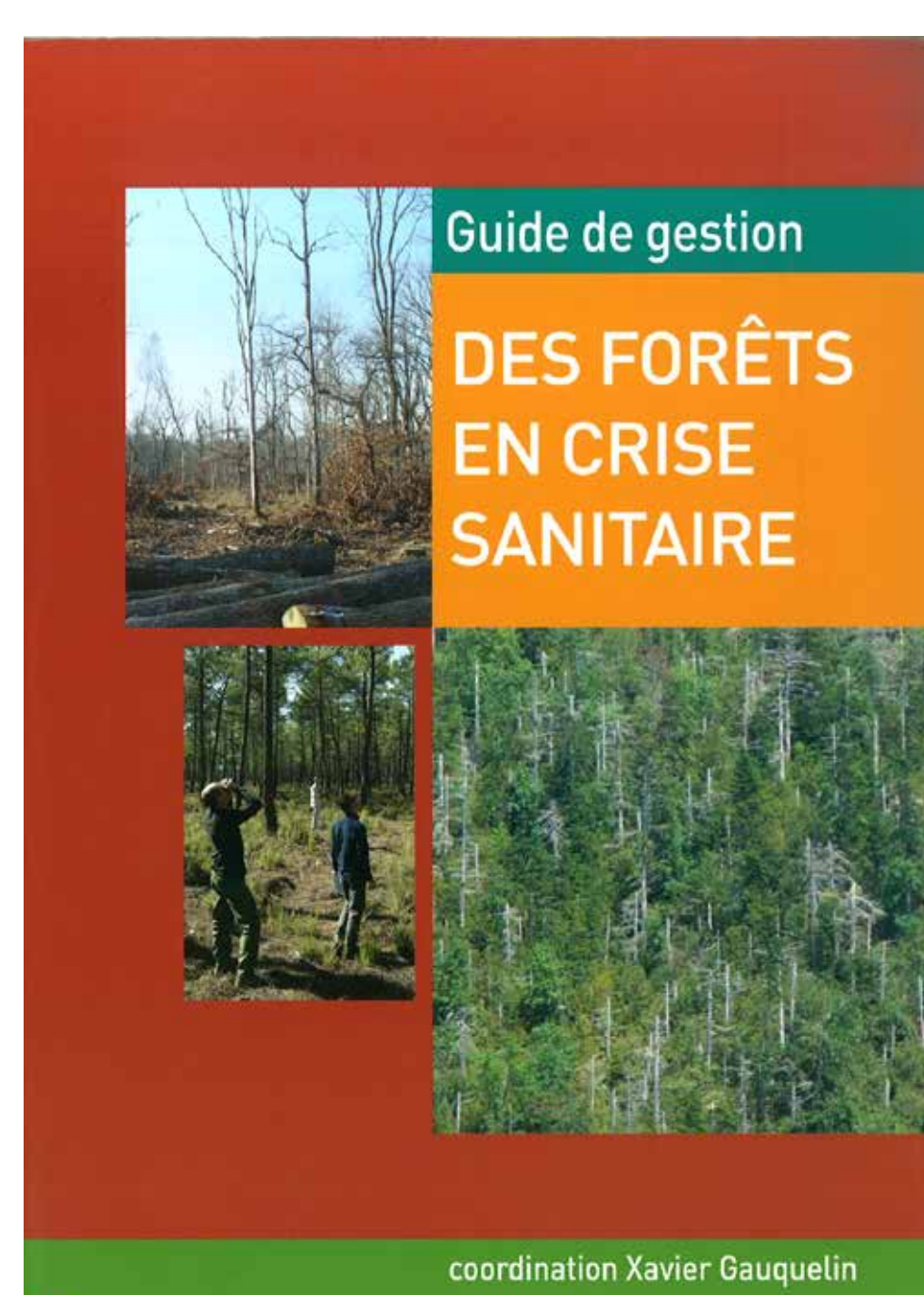
## Who will benefit

The main targets of AFORCE are R&D officers, forest advisors, managers and experts, teachers and trainers, researchers, state services and local stakeholders. The network works across France and its regions in order to be closer to forest decision makers and to know their specific needs. But its action also extends to the European scale: it organizes exchanges of experience on the theme of adaptation of forests to climate change with other European countries. The network is financially supported by the French Ministry in charge of Forests and the "Interprofession Nationale France Bois Forêt". Website: <https://www.reseau-aforce.fr/>

## Supported by:



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