



C4CHANGE

Rising Competencies for Forest Planning Under Grand Challenges

Project leader: Meriem FOURNIER, UMR Silva

LabEx partners: ONF, AgroParisTech

Collaborations: CEREFIGE, ERPI, IRENEE

Thematic action concerned: WP4

Summary

Context —

In the face of new challenges related to global and local changes, traditional forest planning practices are no longer adapted to a dynamic and evolving environment marked by uncertainty and ambiguity, particularly in the context of climate change and multiple risks.

Objectives —

Accordingly, this project aims, through an innovative multidisciplinary scientific approach, to identify the new research needs to move from a traditional logic of forest planning and crisis management, to a renewed logic of adaptive forest planning in the context of grand challenges. This ambition will capitalize in particular on the changes in practices initiated in public forests towards more flexible approaches in terms of their objectives, adjustable in their temporality, as well as open and integrated in territorial and societal projects.

Approaches —

The research plan is divided into five tasks: **Task 1** will identify the scientific and practical knowledge needs for forest planning, by mobilizing researchers and practitioners. **Task 2** will grasp the collective competence of actors involved in forest planning. **Task 3** will identify and evaluate forest management scenarios and associated ecosystem services in the context of climate change. **Task 4** will support the collective implementation of forest planning in Living Lab mode. Finally, **Task 5** will valorize all the results acquired through: a final conference bringing together researchers and practitioners, pedagogical devices for forest planning, as well as a summer school in partnership with the NFZ network (Nancy-Freiburg-Zurich) to valorize the lessons learned towards a "forest planning 4.0".

Expected results and impacts —

In addition to the results of each task, this project will develop a renewed conception of forest planning on the academic side as well as practitioners' side. Moreover, both through the collaborations targeted and the dissemination of results, this project will allow the Labex Arbre to have an international influence.