

PROJECT INFORMATION

Project title: IKSMAPS: Providing precalculated future distribution maps for the main French forestry species through IKS model

Project ID: 96

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PROJECT DESCRIPTION

Following Nomades Project, IKSMAPS project consists in an evaluation of IKS, a model simulating species distribution areas through a limiting climate factors approach. The aim is to provide forest management planners and technical advisors with a climate facility, giving access to a systematic and consistent set of pre-simulated maps of climate change impact of the main species of French forest (this aim is to be reached within two years, at the end of IKSMAPS2).

IKSMAPS1 will submit IKS to a set of tests, in order to:

- Appreciate its ability to fit the species present distribution,
- Evaluate its sensitivity to distribution data and to thresholds fitting method,
- Compare its results to simulations already published for the same species,
- to assess the finest resolution exploitable (in the present state of WorldClim climate data source exploited by IKS)

These tests will be proceeded by professionals of Forest Development institutions, under the supervision of a scientific comity. This scientific comity will provide a critical coaching of the project, and insure the connection with national and international initiatives in the field of forest impact modelling, such as ACCAF metaprogram (INRA), or F2M2 H2020 project. The DST design will take into account the review of Forest material use guidelines, considered as a case study.

IKSMAPS will provide results and specifications to be exploited by IKSMAPS2 (see intention letter), a second part devoted to the design of the decision tool for species choice, targeting forest management planners and technical advisors as main end-users.