

## **PROJECT INFORMATION**

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**Project title:** Forest productivity, carbon sequestration, climate change

**Project ID:** 58

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## **PROJECT DESCRIPTION**

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The German National Forest Inventory (NFI) is an important instrument for forest policy of the federal and state governments. It is also increasingly used for applied research on tree species distribution and site productivity. However, data on soil and climate at the NFI sites are covered only unsatisfactorily. On the other hand, extensive site information is available for plots of the National Forest Soil Inventory and the European Forest Soil Inventory, generated through the Biosoil project. However, the number of plots of the latter inventories is much smaller than for the NFI.

The primary objective of this project is therefore to use excellent information from a smaller number of plots of forest soil inventories to develop site productivity models and to generate a uniform soil and climate dataset for the 26,450 data points of the NFI. By using forest growth models, it is possible to estimate the future potential raw timber stocks and the carbon storage potential of forests in Germany under present and projected future climate.