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World Forestry



CSWH

Contribution of Forestry and Wood Utilisation to Mitigate Climate Change

Partner:



University of Hamburg
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Section World Forestry
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Section Wood Physics
www.holzwirtschaft.org



TECHNISCHE UNIVERSITÄT DRESDEN

TU Dresden
Institute of Soil Science and Site Ecology
<http://boku.forst.tu-dresden.de>



TU München
Chair of Forest Yield Science
www.wwk.forst.tu-muenchen.de



Johann Heinrich von Thünen-Institut
Institute of Forest Based Sector Economics (advisory member)
www.vti.bund.de/en/institutes/oef/

in the National Research Programme
“Sustainable Forestry”
www.nachhaltige-waldwirtschaft.de

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Potential and Dynamic of Carbon Sequestration in Forests and Timber



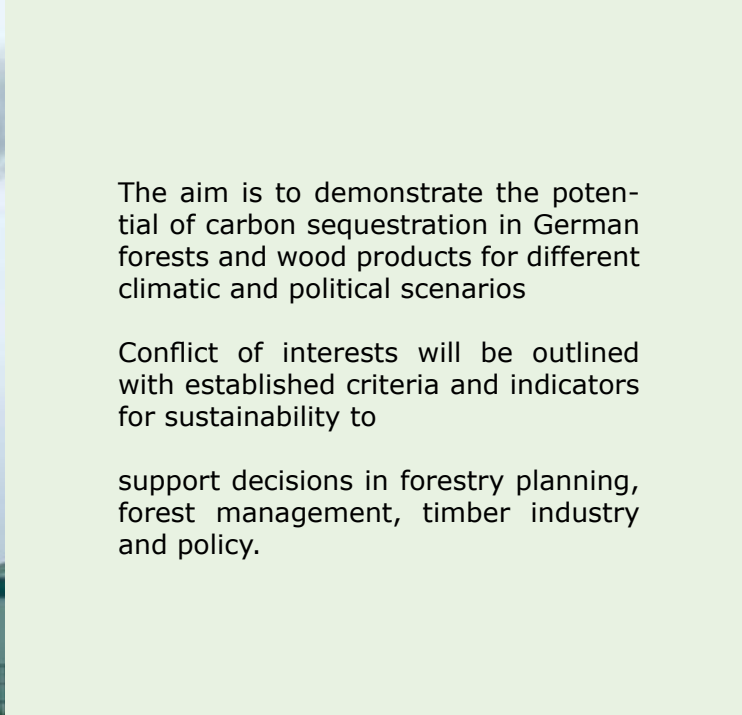


Background

The German government strives for a CO₂ emission reduction of 40% from 1990 levels in 2020

Emissions and removals of CO₂ from the atmosphere generated by forestry activities will be included to meet the national reduction targets

The option to account for the carbon pool in wood products from 2013 on is under consideration

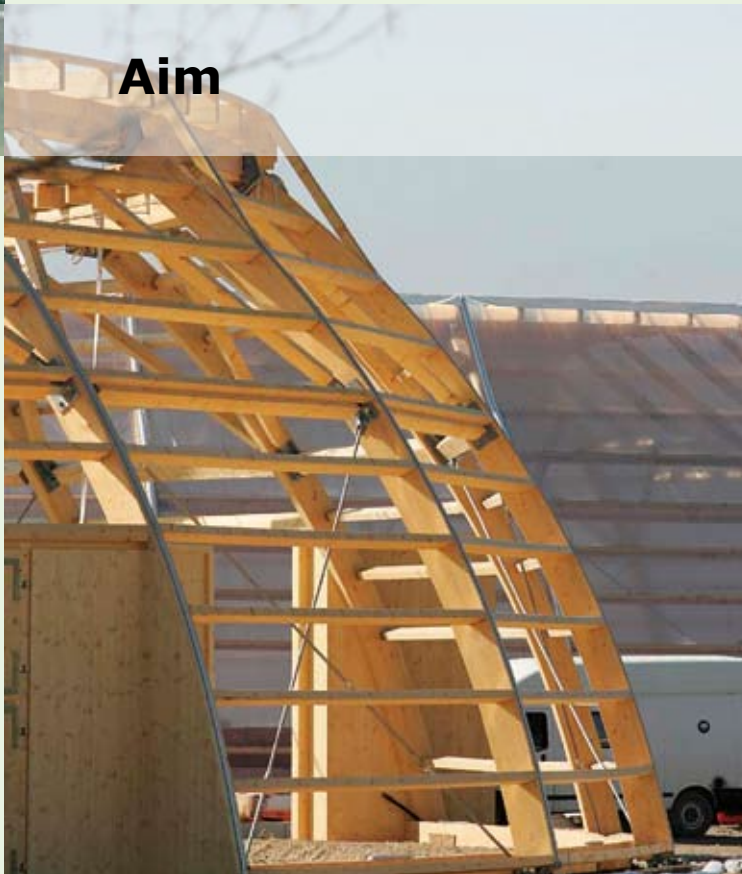


The aim is to demonstrate the potential of carbon sequestration in German forests and wood products for different climatic and political scenarios

Conflict of interests will be outlined with established criteria and indicators for sustainability to

support decisions in forestry planning, forest management, timber industry and policy.

Aim



Methodology

Computer-aided scenarios will be developed to assess climate change affects on forests and to describe the impact of policy options on forestry and timber utilisation

Forestry
Carbon sequestration potential in tree biomass, soil and harvested timber will be simulated according to different forestry scenarios

Wood Products
The carbon sequestration potential of wood products will be investigated for different scenarios, depending on various carbon accounting rules as well as the products life time and their use in the market.