

Project description

"Planning and assessment of adaptable housing concepts based on wood construction for residents in different stages of life" (FleWoko)

The main focus of this project is on the development of adaptable housing concepts built of wood for residents in different stages of life ("establishment of new relationship" and "retirement"). The housing concepts are intended to cover the partially identical requirements of the respective users, but also to be developed in the sense of sustainable construction and optimised by means of various sustainability parameters (e.B. material selection, design of the housing concepts).

In view of the oversupply of wood, the aim is to maximise the use of calamity wood in these housing concepts in order to provide high-quality utilization of the material and a long-term carbon storage. The following research topics are addressed:

- Development of adaptable housing concepts made of wood for different stages of life,
- Investigating of the interest of potential residents in such housing concepts,
- Sustainability assessment of different eco-designs of these housing concepts and
- Assessing the potential amount of calamity wood accessible for the construction of housing concepts.

Head of Project: Prof. Dr. Klaus Menrad

Project Coordinator: Dr. Thomas Decker

Project Advisors: M.Sc. Christian Mergel; Dr. Thomas Decker

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