

# National Biodiversity Monitoring in German forests (NaBioWald) - a federal-state initiative

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## The conservation of biodiversity is of great social interest

- We need a comprehensive monitoring of biodiversity in German forests
- NaBioWald aims to supply representative information on the development of biodiversity and on the effects of influencing variables (driver)
- NaBioWald intends to provide an important basis for biodiversity-oriented forest management, to support the forest and nature conservation policies of the federal and state governments, and to contribute to the fulfilment of national and international reporting obligations
- A working group consisting of representatives of federal and state institutions in forestry and nature conservation including further experts from scientific institutions is working on a monitoring concept

### We focus on several groups of species:

vascular plants, birds, spiders, mammals, bats, lichen and mosses, soil organisms, insects (bugs, wild bees, butterflies, moths, xylobiont beetles) and amphibians

We use and combine existing surveys and implement additional studies

We look at the influences of management, climate, air pollution and the use of pesticides on forest biodiversity

We record different levels of biodiversity using standardized methods and developing integrative analysis including scenarios

Relevant stakeholders from science and politics work together on a draft concept

We hold regular workshops and expert group discussions

### Requirements for a National Biodiversity Monitoring

- ✓ **Representativeness:** the monitoring shall allow statements for Germany and document developments as well as its changes
- ✓ **Integrativeness:** the monitoring shall complement existing surveys and use their findings
- ✓ **Relevance:** the monitoring shall expand and consolidate the knowledge base for policy advice and action control
- ✓ **Affordability:** the monitoring shall be financially manageable
- ✓ **Feasibility:** the monitoring must be possible in the sense of achievable
- ✓ **Acceptance:** the monitoring must have the approval of society, stake-holders, and the scientific community

photos: B. Michler, L. Lindermann, F. Preuß

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