

## STRUCTURE OF THE BAVARIAN STATE INSTITUTE OF FORESTRY (LWF)

The Bavarian State Institute of Forestry is a special agency within the Bavarian Forestry Administration. We are a team of specialists that supports the forestry department of the Bavarian State Ministry of Agriculture and Forestry and its regional offices.

The institute employs approximately 180 people. An organisational structure based on small teams and short lines of communication enables us to work with great efficiency. Our research teams are made up of graduate forestry staff, active foresters with many years of experience, and specialists from other disciplines. In our scientific research we maintain constant contact with practitioners at the grassroots level.

As well as the LWF management team and its specialist staff units, there are eight LWF-departments working on practical applications and scientific research in all sorts of different areas:

LWF management  
with specialist staff units

Information Technology

Soil and Climate

Silviculture and Mountain Forests

Forest Technology, Economics  
and Timber

Forest Protection

Biodiversity, Conservation  
and Hunting

Forest Policy, Counseling  
and Ownership

Knowledge Transfer, Public  
Relations and Forest Pedagogy



## TRADITION AND THE MODERN WORLD

■ In 1881, King Ludwig II founded the Forest Research Institute in Munich at the instigation of August Ganghofer. ■ In 1992 it moved to Freising/Weihenstephan. ■ In 1993 it was given its current name: »Bavarian State Institute of Forestry«. ■ In 2003, the LWF, the Technical University of Munich (TU) and the Weihenstephan-Triesdorf University of Applied Sciences founded the Weihenstephan Center of Forestry. ■ In 2011 our research institute celebrated its 130th anniversary.

For us this tradition is a source of both encouragement and obligation. The experience we have gained over years of monitoring experimental areas gives us a sound basis for engaging in long-term forest research. The ever more complex demands placed on the forest and forestry industry can only be met if forestry research applies the latest methods and works in collaboration with different partners.

The Bavarian State Institute of Forestry is a member of the Weihenstephan Center of Forestry, and as such cooperates closely with the Faculty of Forestry and Resource Management at the Technical University of Munich, and the Faculty of Forestry at Weihenstephan-Triesdorf University of Applied Sciences. Our partners include many specialist agencies and research institutes at national and international level.



## HOW TO REACH US USING PUBLIC TRANSPORT

From Freising Station, take bus no. 638 towards Hittostrasse, getting off at bus-stop »Weihenstephan«, or bus no. 639, getting off at »Forstzentrum«. Further information available at [www.bahn.de](http://www.bahn.de) or [www.mvg-mobil.de](http://www.mvg-mobil.de).

**LWF** Bayerische Landesanstalt  
für Wald und Forstwirtschaft

■ **IMPRESSUM:** Bavarian State Institute of Forestry ■ Tel. ++ 49 (0) 8161 714881, Fax ++ 49 (0) 8161 714971 ■ [poststelle@lwf.bayern.de](mailto:poststelle@lwf.bayern.de), [www.lwf.bayern.de](http://www.lwf.bayern.de) ■ **PIC-TURES** Cover Picture, Building: T. Bosch (LWF); An Outline of our Work: T. Bosch (LWF); What the LWF does: K. Amereller (LWF), C. Franz (LWF), V. Binner (StMELF) ■ **PRINTED BY** Druckerei Lanzinger ■ Status 6/2014



**BAVARIAN STATE INSTITUTE  
OF FORESTRY**

**LWF**

BAYERISCHE  
FORSTVERWALTUNG

IdeenReich.Wald

## AN OUTLINE OF OUR WORK

- We carry out research of direct practical relevance – so no research without benefit at grassroots level!
- In our research, we are committed to sustainable forest management, the protection and improvement of forest functions, and to ensuring the competitiveness of the forestry sector.
- We provide comprehensive services and are a competent contact partner for all forest issues.



■ We develop climate risk maps for tomorrow's forest, thus creating an important basis for forward-looking forest advisory services.

- We compile knowledge about forests and forestry, and produce approaches and solutions of direct practical relevance. We present this knowledge clearly and comprehensibly
- We provide information to forest owners on sustainable management of the forest and the use of timber.
- We work out precautionary strategies addressing climate change, and offer support to forest owners.
- We collaborate with other institutions and promote research on forests and forestry.

## WHAT THE LWF DOES

Below you will find a selection of the comprehensive range of research, monitoring, advisory and information services we offer.

### ENVIRONMENTAL MONITORING IN FORESTRY

The Bavarian State Institute of Forestry carries out environmental monitoring throughout Bavaria. 18 forest climate stations, 56 permanent soil observation areas, the systematic recording of crown condition, and periodic inventories such as the soil condition inventory all provide a comprehensive picture of the condition of the forest. We track long-term developments and derive forest protection plans from our observations.

### FOR FOREST OWNERS

The Bavarian State Institute of Forestry aims to help forest owners to improve the economic viability of their businesses whilst safeguarding sustainability in their forests. We make our research results available to forest managers by recommending tending and forest regeneration strategies and by advising them on soil protection and the efficient deployment of machinery. With the results of forest inventories and research into management and socio-economic factors, including programmes such as the »Forest Accountancy Network« (Testbetriebsnetz Forstwirtschaft), we provide forest owners and decision-makers with important information, data and tools to help them make management decisions for their forests.



■ Left: At the forest climate stations, environmental influences and their effects on the forest are recorded.  
■ Right: Specialists identify plant diseases and report on the current situation with regard to pest infestation.

### CLIMATE CHANGE AND WOOD ENERGY

Climate change poses special challenges for the forest and forestry industry. The LWF draws up the basic principles of silvicultural methods that are appropriate for both site and climate, and supports the forestry authorities and forest owners by providing advisory materials. Another main focus of research is on wood as a source of energy. Several important research projects are devoted to e.g. the fuel wood market, short rotation plantations, or the provision of wood chips.

### GUARANTEEING THE SOCIAL BENEFITS OF THE FOREST

In order to maintain the beneficial effects of forest ecosystems, we develop recommendations for sustainable forest management, concepts for the efficient management of protection forest or wildlife, strategies for protecting both soil and water, and strategies for the recreational use of forests.

### PEST MONITORING AND CONTROL

We identify animal, plant and fungal pests on forest trees and shrubs, and monitor their development and potential for causing damage. The LWF offers an up-to-date information service throughout Bavaria for current pest calamities, and provides both advice and organizational assistance where control measures have to be taken.



■ We are developing new methods for mapping important animal species for Natura 2000. A mould aspirator helps us to detect rare beetles in tree cavities.

### NATURA 2000

The Bavarian State Institute of Forestry gives expert advice on NATURA 2000 management in the forest. This includes the preparation and further development of practical support materials and mapping manuals for identifying and recording habitat types and species worthy of protection. Local mapping teams receive advice and training.

### KNOWLEDGE TRANSFER AND FOREST PEDAGOGY

By putting together relevant, up-to-date publications, specialist conferences, training programmes and exhibitions that are appropriate for the target group, the LWF makes a significant contribution to the public relations work of the forestry administration. The institute is also a driving force behind developments in Forest Pedagogy, and coordinates the certification of forest-pedagogues in Bavaria. The LWF also looks after the international information platforms [www.waldwissen.net](http://www.waldwissen.net) and [www.forestpedagogy.eu](http://www.forestpedagogy.eu).