



# The management of alpine forests in Germany

Workshop of the Alpine Convention

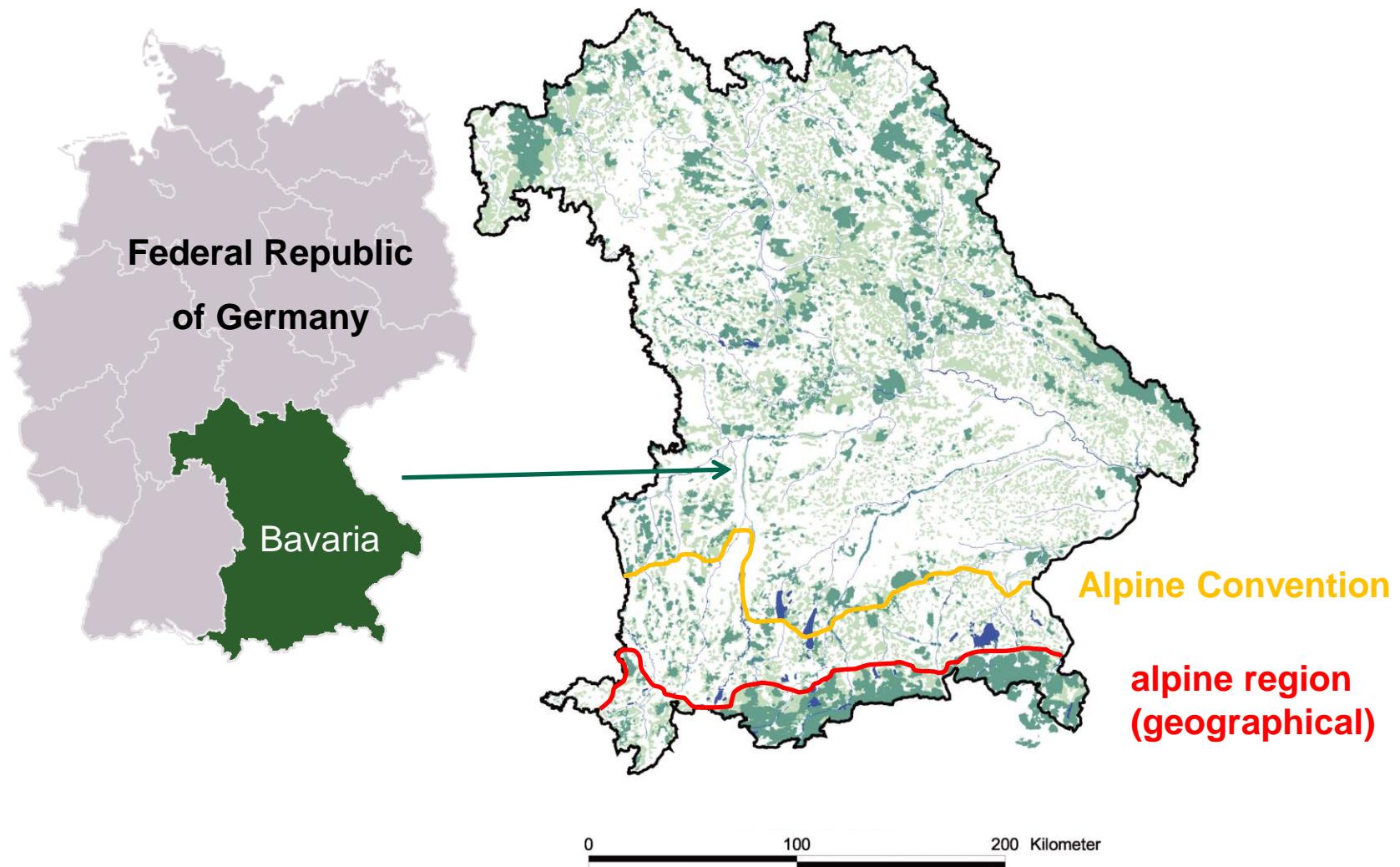
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1. Data on mountain forests in Germany
2. Legal framework for the management of mountain forests
3. Financial support of forest owners
4. New challenge: climate change



## 1. Data on mountain forests in Germany



## 1. Data on mountain forests in Germany

### Forest area

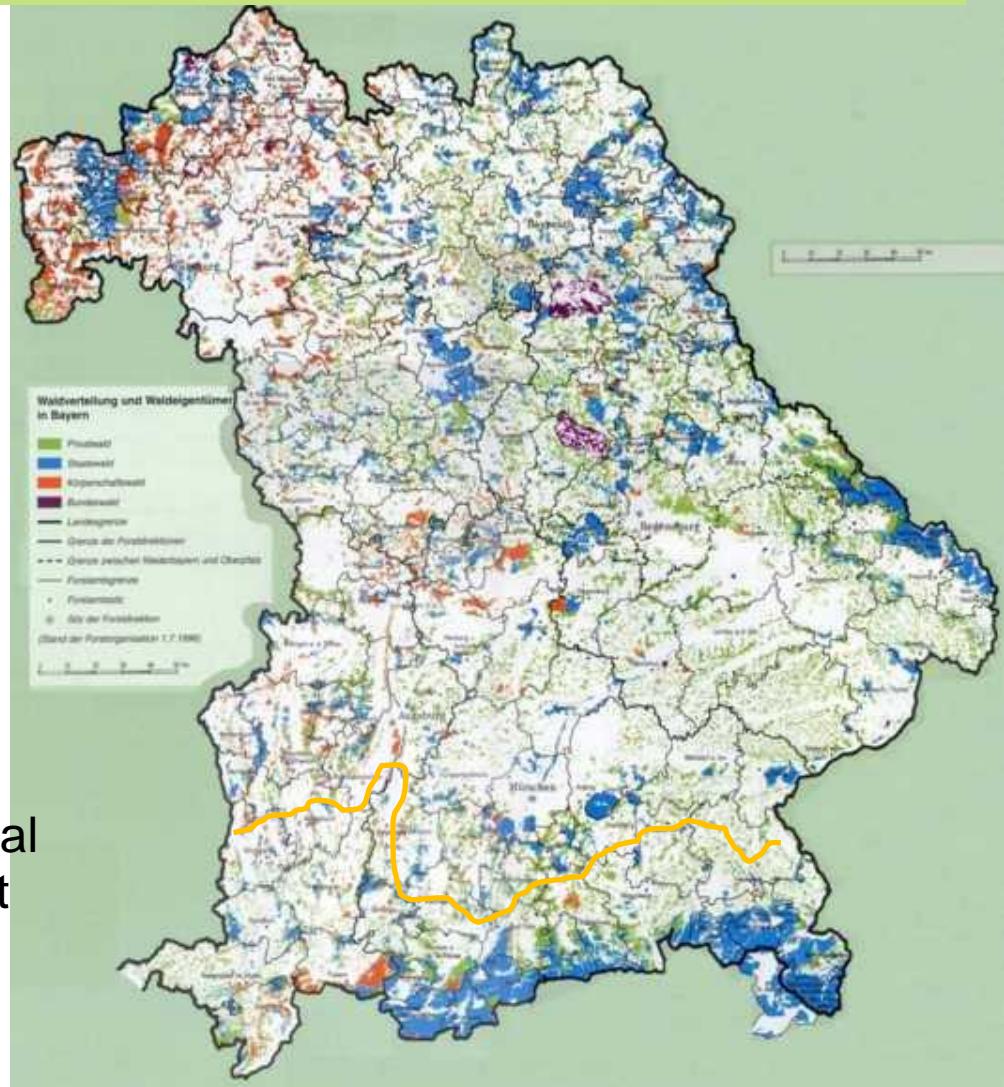
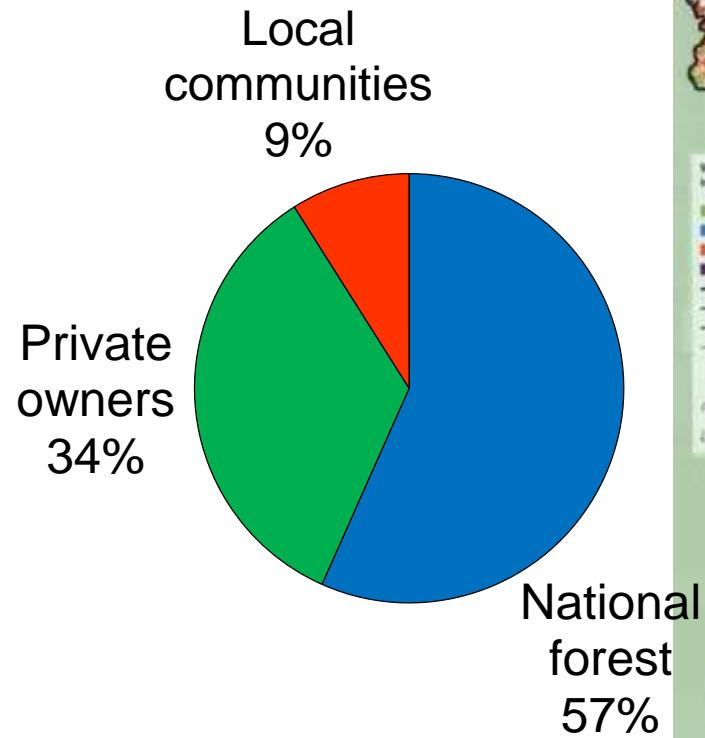
- Area of mountain forests: 250.000 ha (approx. 2 % of the total forest area in Germany)
- Protection forests: 145.000 ha
- Forested area: 50 %
- High amount of areas for nature conservation (N2000)
- One national park: 21.000 ha (Berchtesgaden)
- Forest area under regular management: 93 %\*

\*Zahlen für Gebietskulisse Alpenkonvention



## 1. Data on mountain forests in Germany

# Forest Ownership



Alpine Convention



## 1. Data on mountain forests in Germany

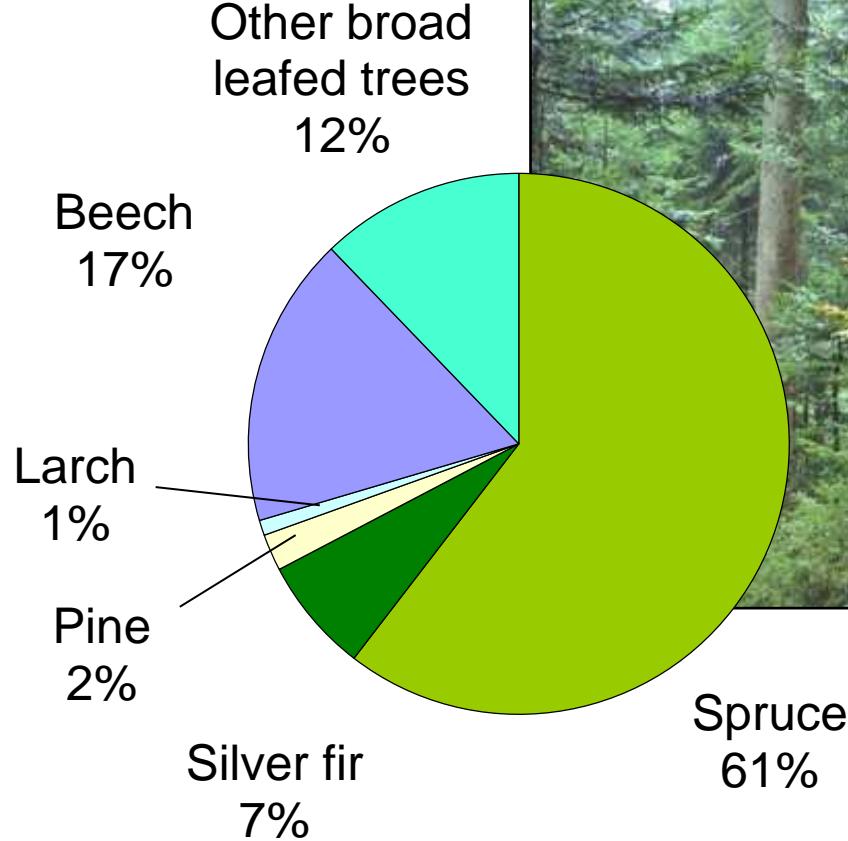
### Age, growing stock, increment

- Average age: 102 years (Bavaria: 79 year)
- Growing stock: 102,9 million m<sup>3</sup>  
418 m<sup>3</sup>/ha (Bavaria: 403)
- Annual increment: 2,7 million m<sup>3</sup>/year  
10,6 m<sup>3</sup>/year/ha (Bavaria: 13,2)
- Annual yield: 1,2 million m<sup>3</sup>/year  
4,9 m<sup>3</sup>/year/ha (Bavaria: 8,2)



## 1. Data on mountain forests in Germany

### Actual tree species distribution



## 2. Legal framework for the management of mountain forests

### Forest act for Bavaria:

- Conservation and increase of forested area
- Sustainable use for a permanent fulfilling of all functions of forests especially
  - Protection functions
  - Production of wood
  - Biodiversity
  - Recreation
- Special protection of protection forests against deforestation
- Special permissions afforded for clearcuts in protection forests



### 3. Financial support of forest owners

#### Direct financial support

- Building of forest roads
- Logging with cable cranes
- Higher financial support rates in mountain and protection forests for
  - Planting of deciduous and mixed stands
  - Established natural regeneration
  - Tending in young stands
- Prevention of bark beetles



### **3. Financial support of forest owners**

#### **Direct financial support**

- Special support for national forests
- Annual investment of Bavaria: approx. 3 Mill. €/year



### 3. Financial support of forest owners

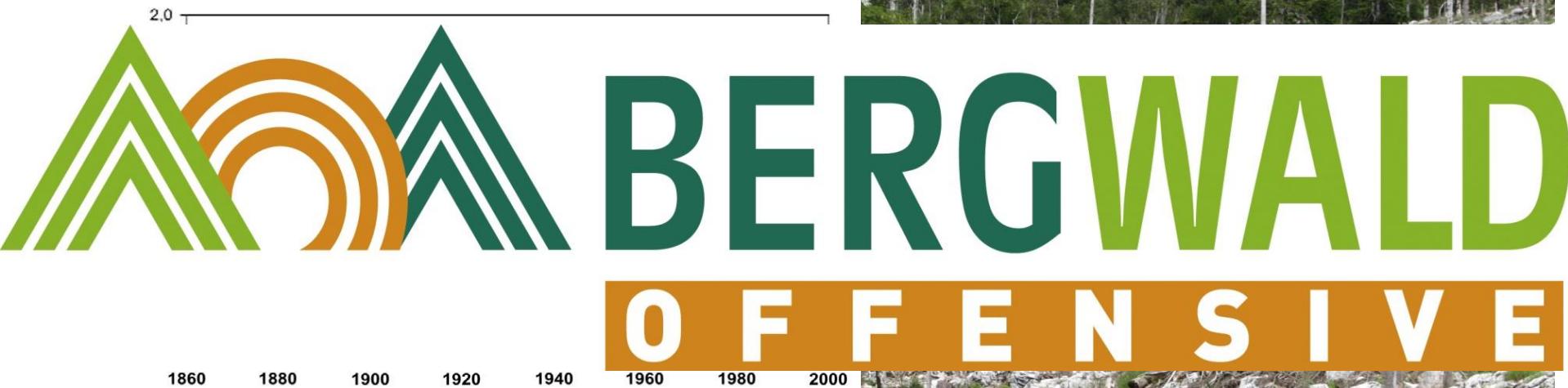
## Sanitation of the protective forests

- Protection forest with need for sanitation: 13.500 ha (9 %)
- Spezial program for reforestation financed by the government
- Annual investment: approx. 2,8 million €/year

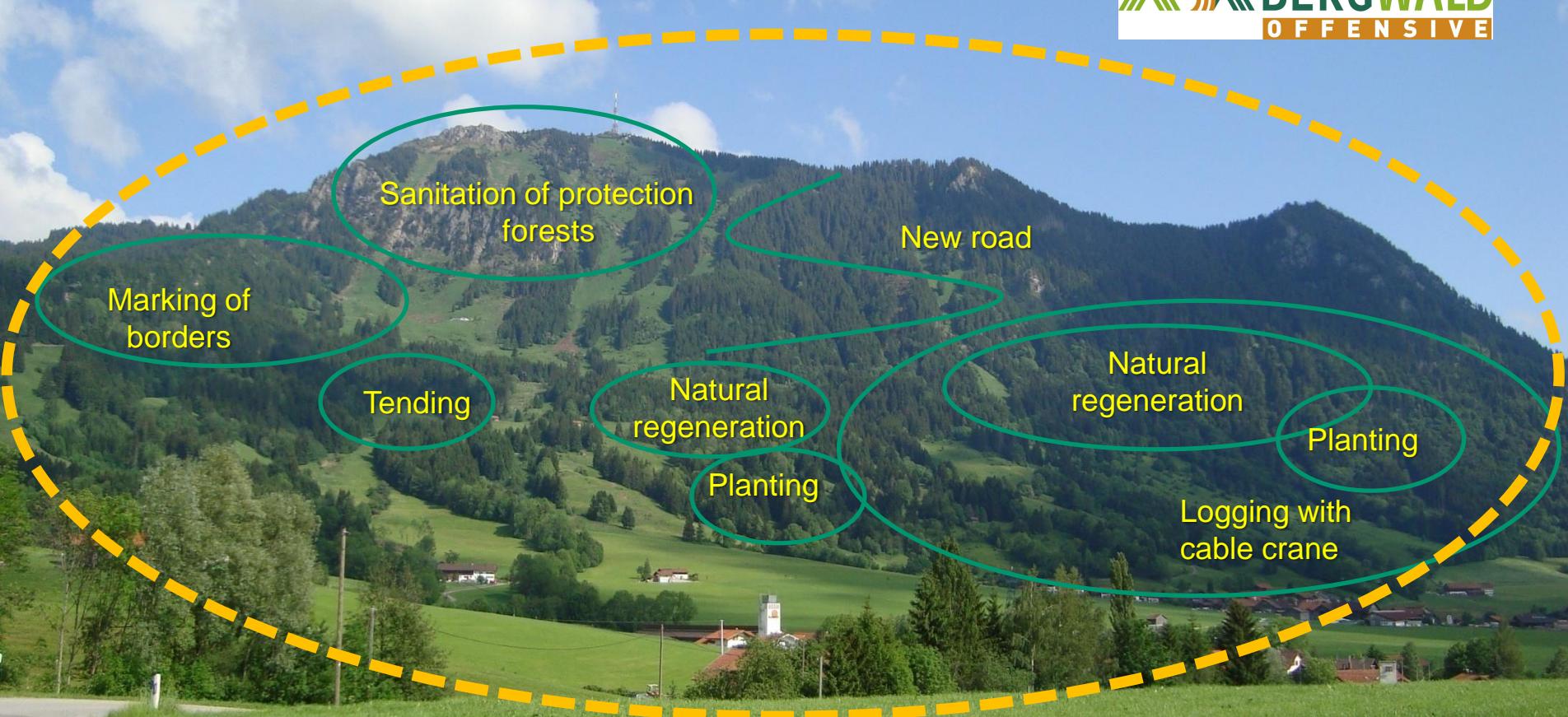


## 4. Climate change

- Rising vulnerability
- Rising importance of protection functions



# BWO-project



## Resumee

- Mountain forests are of great value for our society.
- Bavaria is supporting the forest owners in the management of their forests and in the adaption on climate change.

