



Wood mobilisation from a regional perspective

Simwood Final Conference, 12 – 13 October 2017

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Forest in Bavaria



- Country area: 70 000 km² (7 million ha)
- Forest area: 2,5 million ha
- Forest coverage: 37 %

- Hardwood: 36 %
- Conifer wood: 64 %

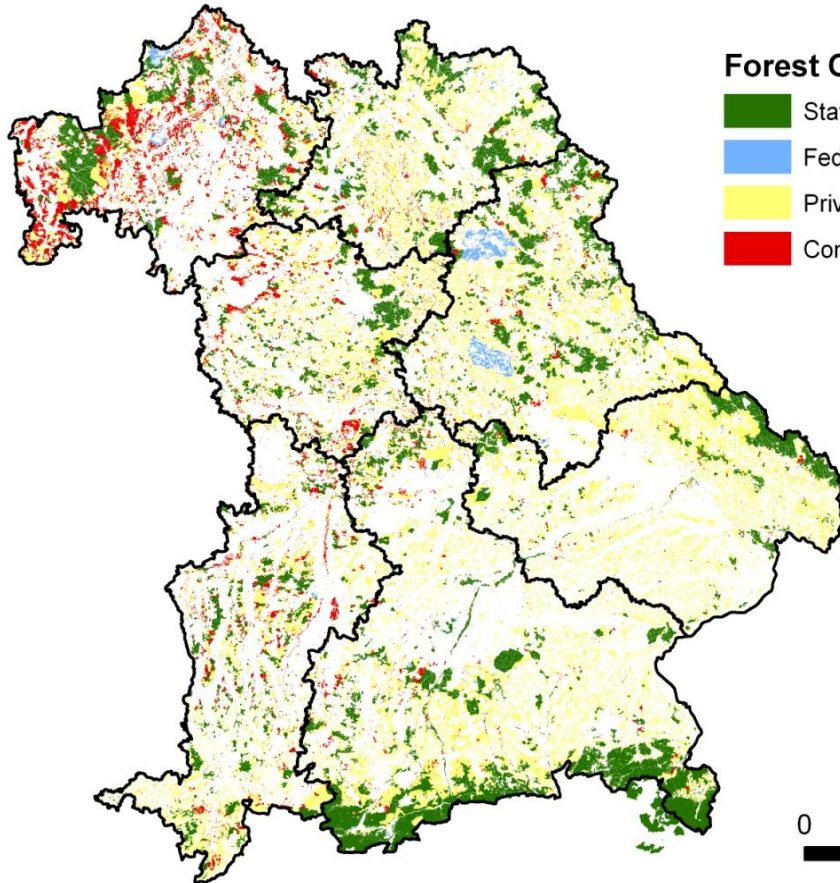
- Total growing stock: 987 million m³ (433 m³/ha)
- Annual increment 2002-2012: 11,9 m³/ha/y
- Annual timber harvest 2002-2012: 11,3 m³/ha/y

Data from: Third National Forest Inventory (Bundeswaldinventur (2012) – BWI 3)



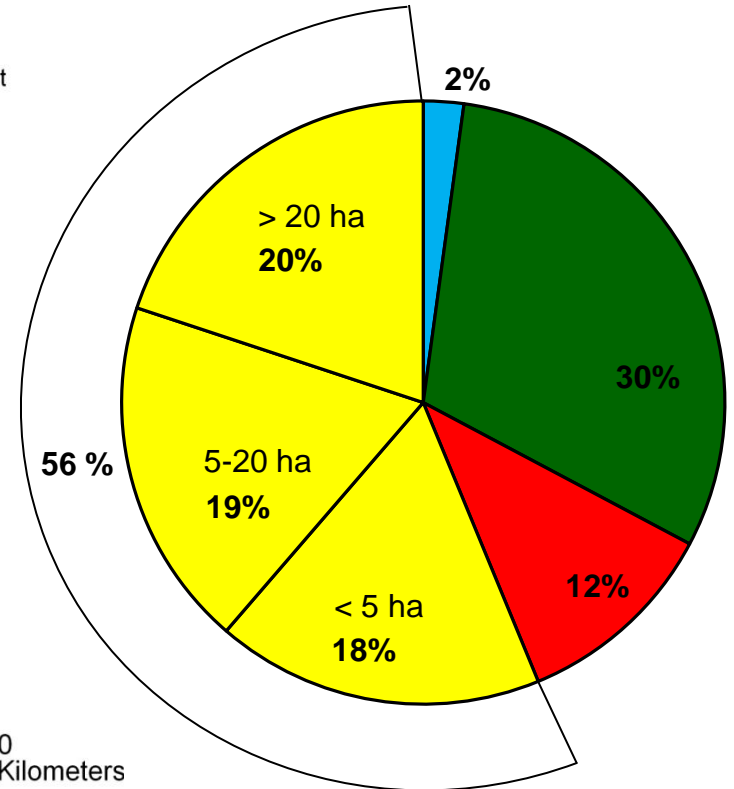
Forest in Bavaria

Forest area dependent on type of ownership and size class



Forest Ownership in Bavaria

- State Forest
- Federal Republic Forest
- Private Forest
- Communal Forest



0 25 50 75 100 Kilometers

Data from: Third National Forest Inventory (Bundeswaldinventur (2012) – BWI 3)



Forestry in Bavaria

■ State forest:

Bavarian State Forest enterprise

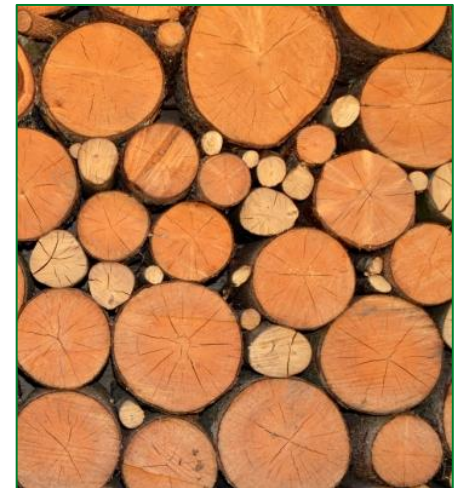
- ▶ Extensive and sustainable management of forests close to nature (“Protection and Use”)

→ Existing potentials are used

■ Communal forest:

- ▶ Forest owners: 2 500
- ▶ Management and operating execution: own staff or contract with service provider (e.g. Forest Owner Associations)

→ Existing potentials are used



Forestry in Bavaria

■ Private Forest:

- ▶ Forest owners: 700 000 (→ mean average: 2 ha/forest owner)
 - ▶ Management and operating execution in own responsibility: forest owner himself, Forest Owner Associations (self-help institution), own staff (for large forest properties)
- intensity of management partly depends on size class

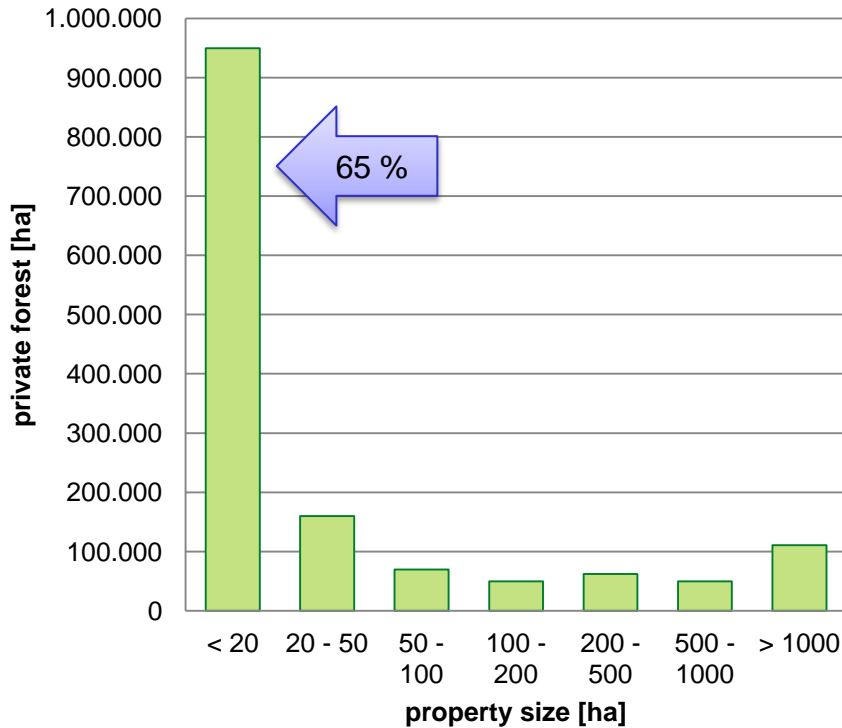
→ Existing potentials are not completely used



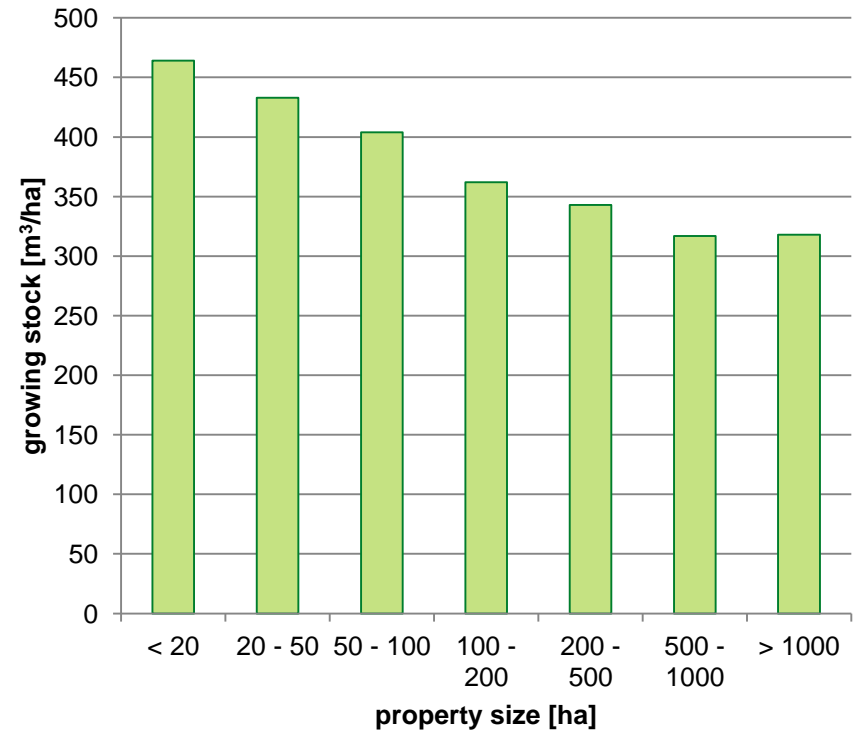
Forestry in Bavaria

■ Structure of Private forest:

Forest area distribution



Growing stock



Data from: Third National Forest Inventory (Bundeswaldinventur (2012) – BWI 3)



Forestry in Bavaria

■ Bavarian Forest Administration

- ▶ Consulting forest owners in all issues belonging to common welfare
- ▶ Financial support
- ▶ Forest pedagogics and information
- ▶ Forestry education and advanced training (two schools of forestry)
- ▶ State duties



■ Forest Owner Associations:

- ▶ Support forest owners to manage their forests
- ▶ Involve regional stakeholders and actors

Number of
Forestry Associations

136

Degree of organisation
private forest area

77%

Degree of organisation
quantity of private forest owners

33%



Challenges

- **Climate Change:**
 - ▶ Non adapted tree species
 - ▶ Forest management influenced by storms, beetle calamities and summer drought
- **Demographic and structural changes:**
 - ▶ Increasing number of „urban“ forest owners
 - ▶ Decline of forest knowledge
 - ▶ Various demands of society to the forest
- **Structure of private forest ownership:**
 - ▶ Fragmented ownership, small property size
 - ▶ Unknown boundary lines
 - ▶ Lack of access roads
 - ▶ Partly lack of interest in forest management



Solutions and Bavarian approaches



Our aim = active forest owners

- Strengthening of the Forest Owner Associations (financial and professional support)
- Continuation of consulting forest owners
→ intensified addressing of specific target groups
- Adjustment of financial support of forest owners in view of climate change (e.g. planting of deciduous and mixed stands, established natural regeneration, forest streets)



Solutions and Bavarian approaches

- **Regional initiatives** of the Bavarian Forest Administration:
 - ▶ to support forest owners in the implementation of forestry measures in priority areas
 - ▶ to motivate forest owners to adapt their forests to climate change
- **Activities:**
 - ▶ Forest planning, slope protection, thinning/harvest, forest access, hunting, training, etc.
 - ▶ Involvement of regional stakeholders / actors
 - ▶ Regular roundtables
- **Spatial distribution of the projects:**
 - ▶ BWO - Mountain forest initiatives (BWO)
 - ▶ WIO - Forest Initiative East-Bavaria (WIO)
 - ▶ IZW - Initiative Future Forest Bavaria (IZW)



Solutions and Bavarian approaches

- Support for the use of local timber (Cluster Forest and Timber in Bavaria)
 - ▶ further information: www.cluster-forstholzbayern.de
- Further practice-relevant research and development, e.g.:
 - ▶ Trees for the future and the site information system „BASIS“ to identify suitable tree species
 - ▶ Risk of storm damage and insects
 - ▶ Role of forest and wood products as carbon sink
 - ▶ Innovation in the industrial use of broad-leafed trees (glued timber)



Conclusions

- **Climate change is a common major task**
 - ▶ Bavarian Forest Administration is supporting the forest owners in the management of their forests and in the adaptation to climate change
 - ▶ Adapt forests to climate change and wood mobilisation complement each other
- **Potential for wood mobilisation is in the small private woodlot**
- **Bavaria is on a good way**
 - ▶ Comprehensive consulting-service and financial support
 - ▶ Regional and special instruments
 - ▶ Efficient self-help organisations





Thanks for your attention!

Sources:

- Clusterstudie Forst, Holz und Papier 2015 (www.cluster-forstholzbayern.de)
- third National Forest Inventory (Bundeswaldinventur (2012) – BWI 3)
- Pictures: Bayerisches Staatsministerium für Ernährung, Landwirtschaft und Forsten, Bayerische Landesanstalt für Wald und Forstwirtschaft