



Bundesforschungszentrum für Wald



für Wald & Mensch

Forschung - Monitoring - Bildung

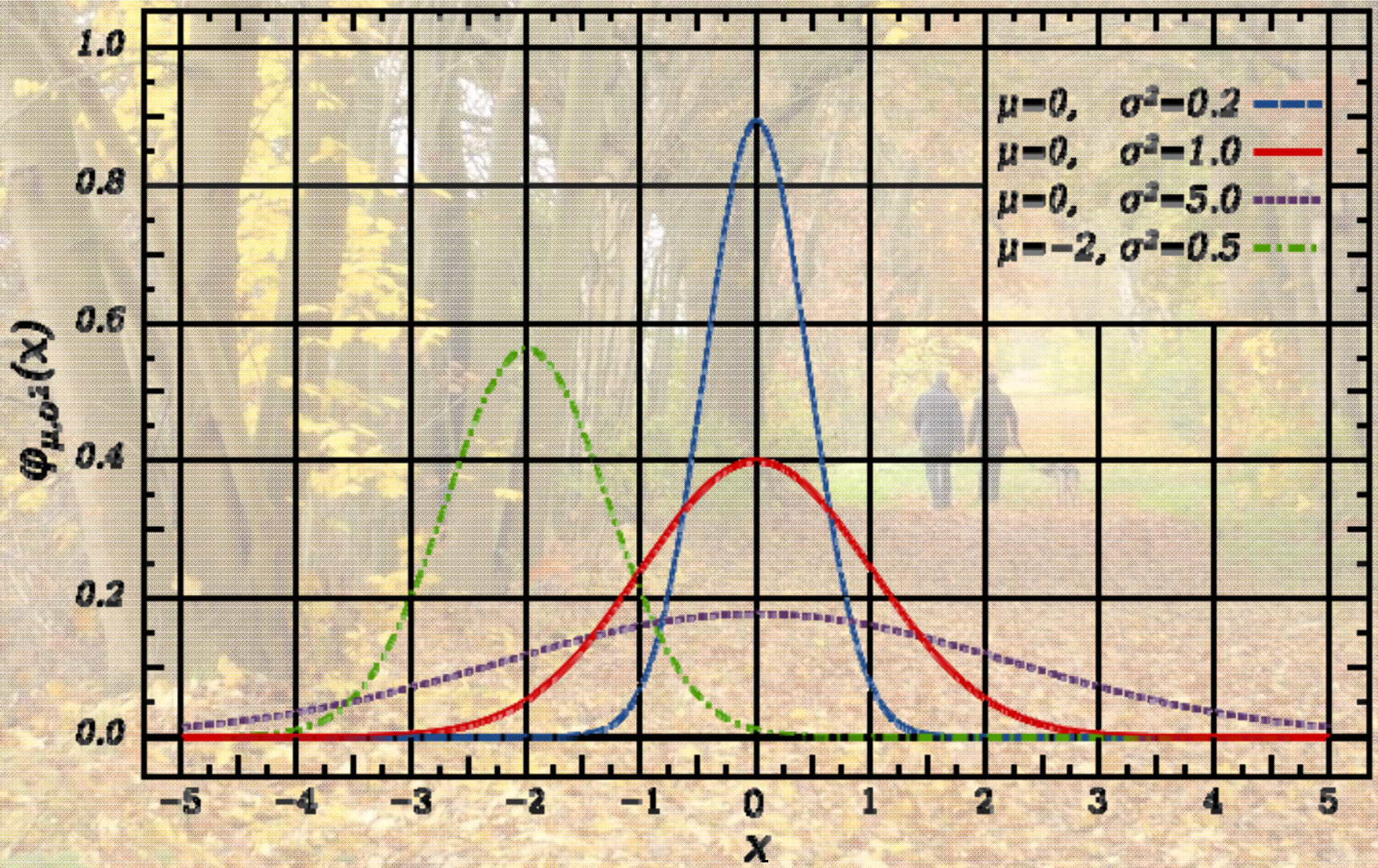


Waldinventuren in aller Welt Mehr als nur Bäume zählen ?

Klemens Schadauer

**Wiener Biometrische Sektion
WBS Herbstseminar: „Buchpräsentationen aus dem
Bereich der Statistik“**



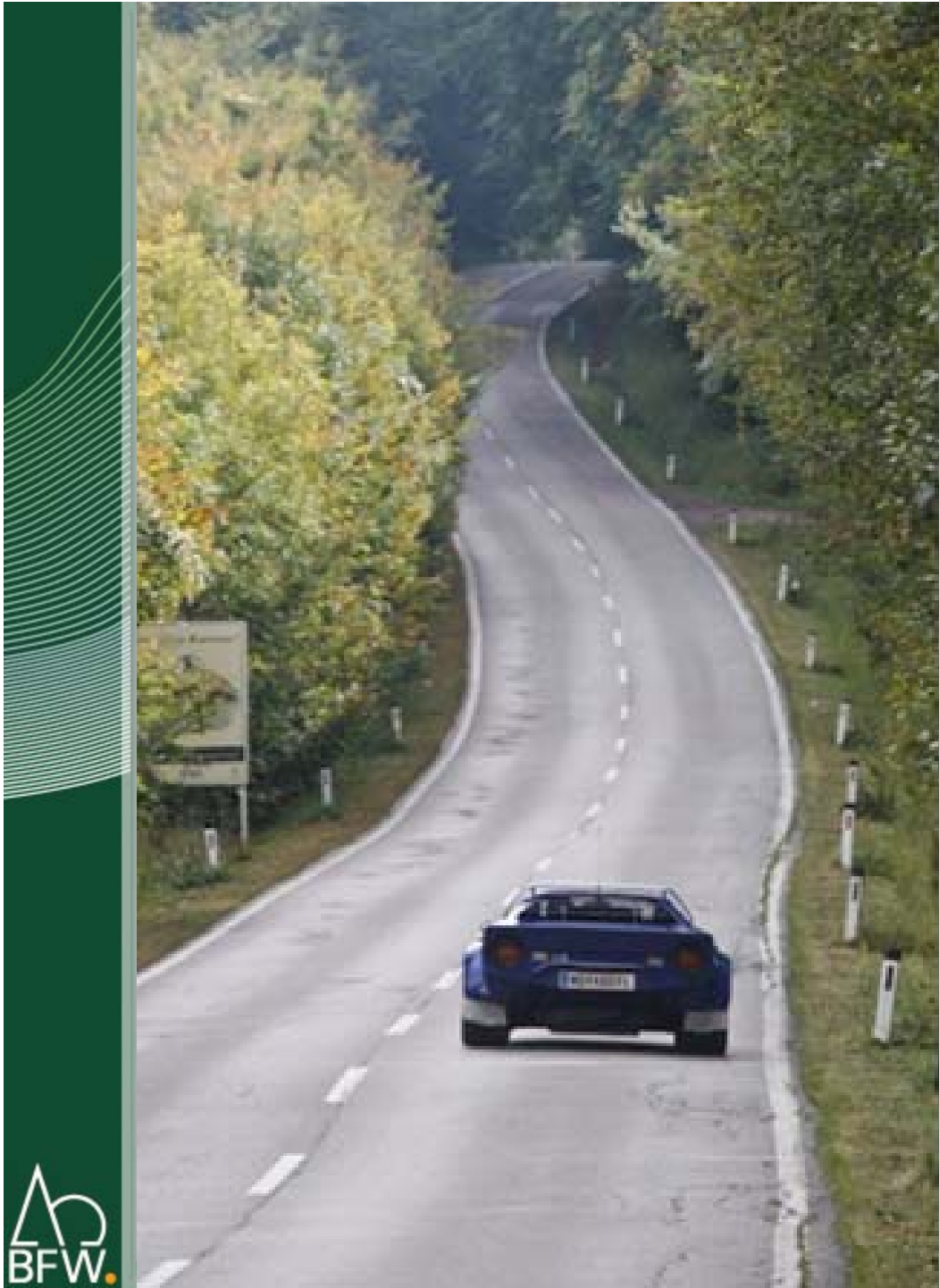




Multifunktionale Wälder

- Österreichisches Forstgesetz
 - Biodiversitätsfunktion
 - Wohlfahrtsfunktion
 - Erholungsfunktion
 - Schutzfunktion
 - Wirtschaftsfunktion
- Information gesucht für alle Bereiche

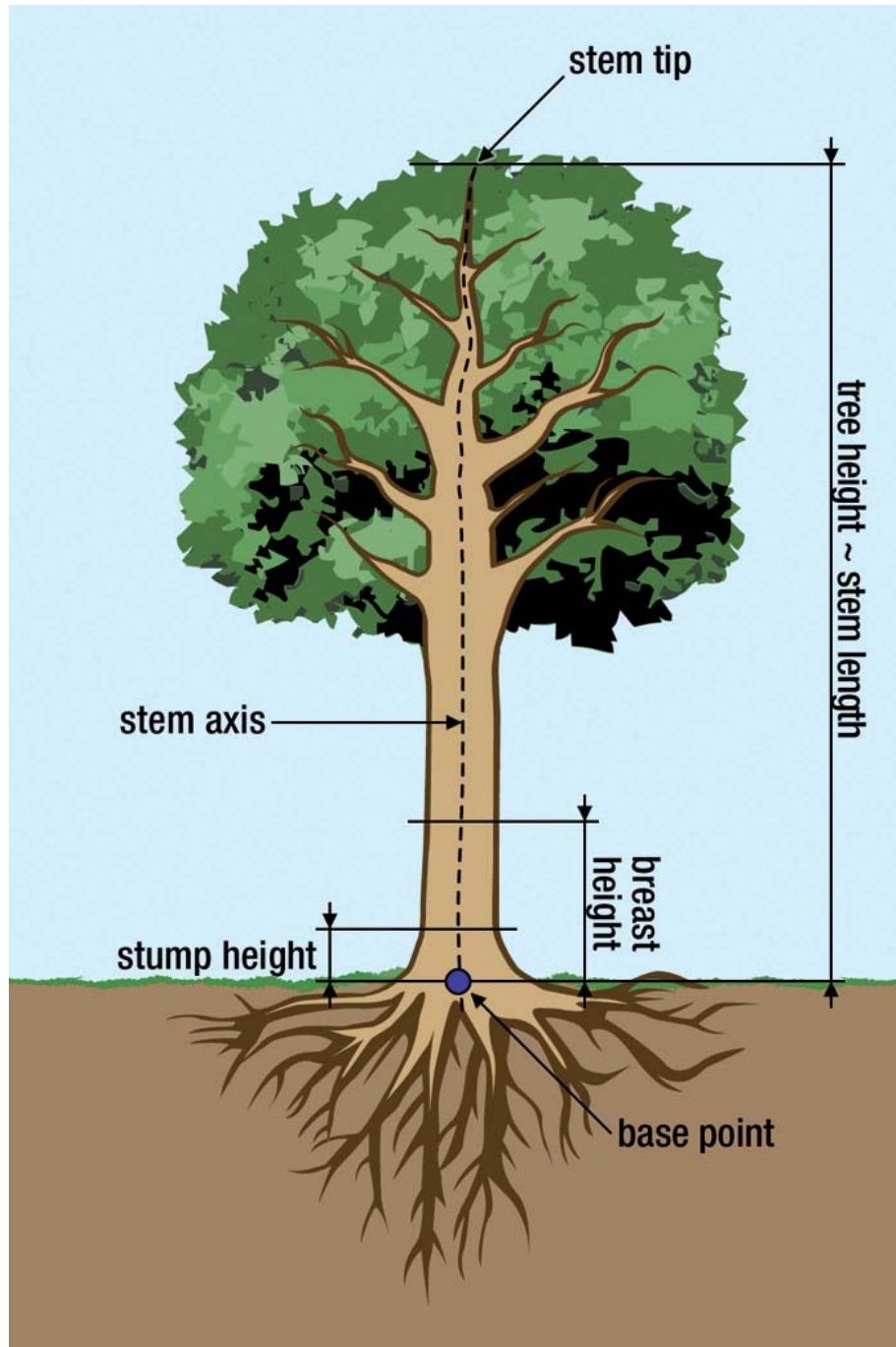










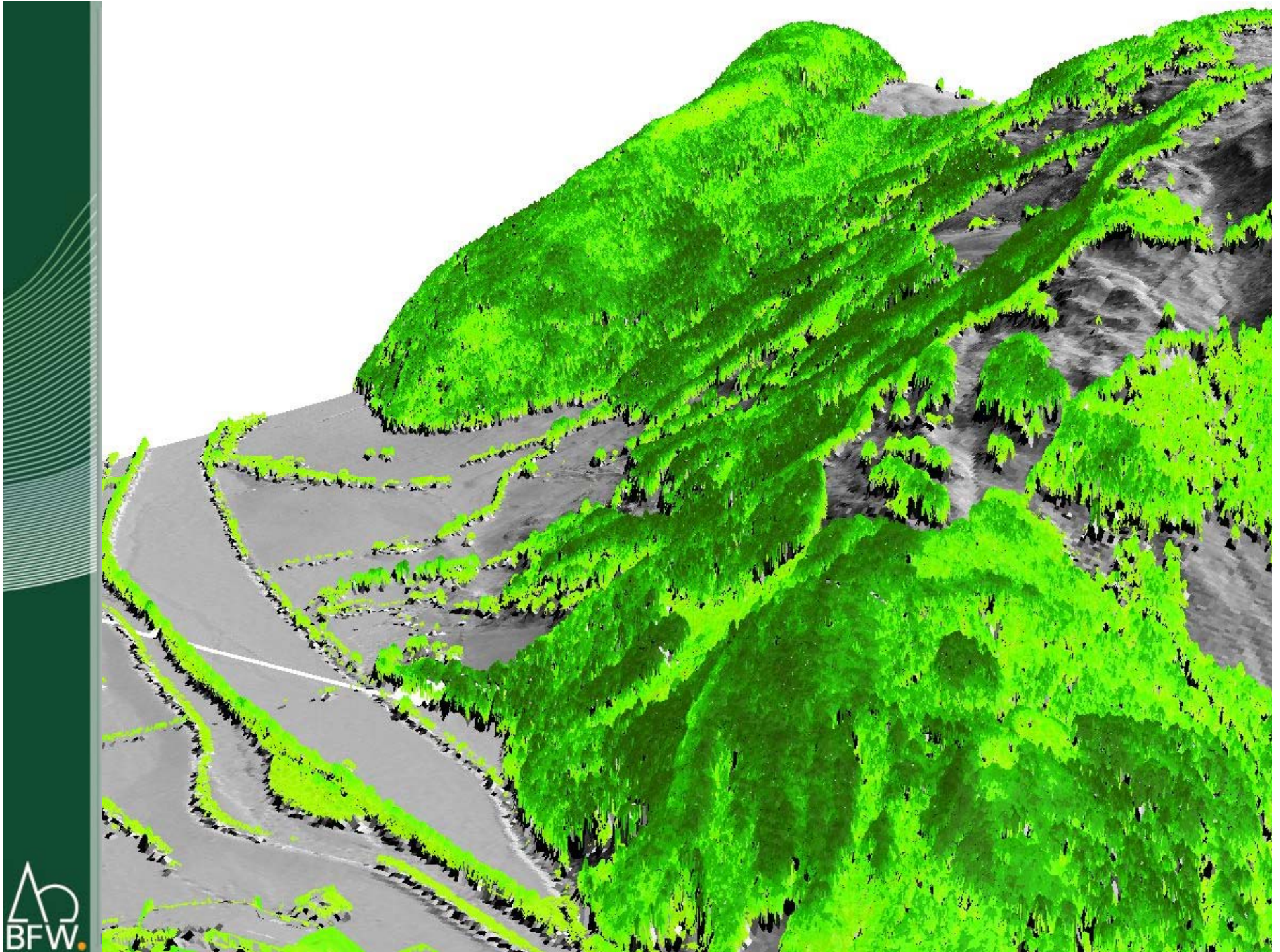




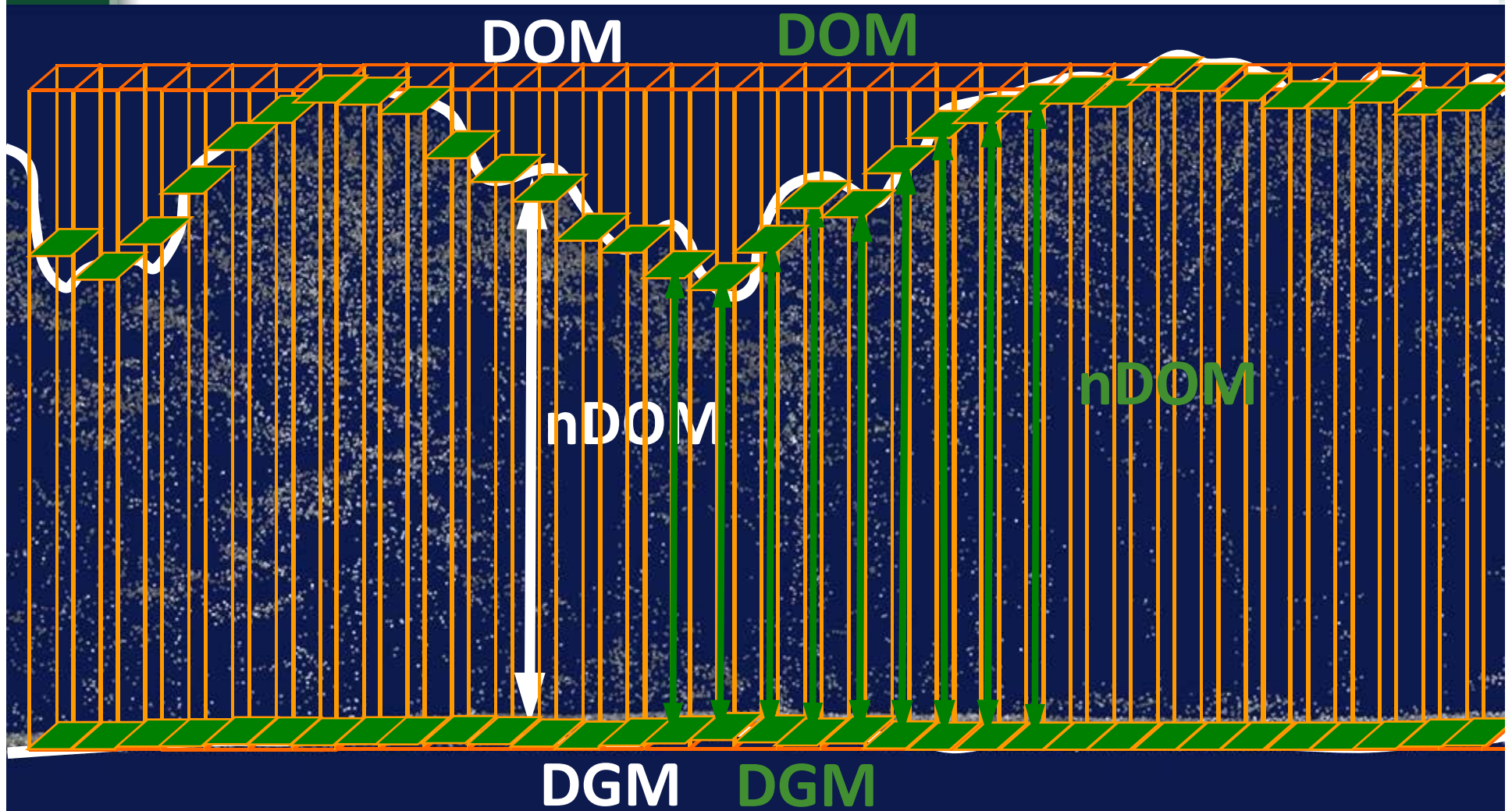
Information

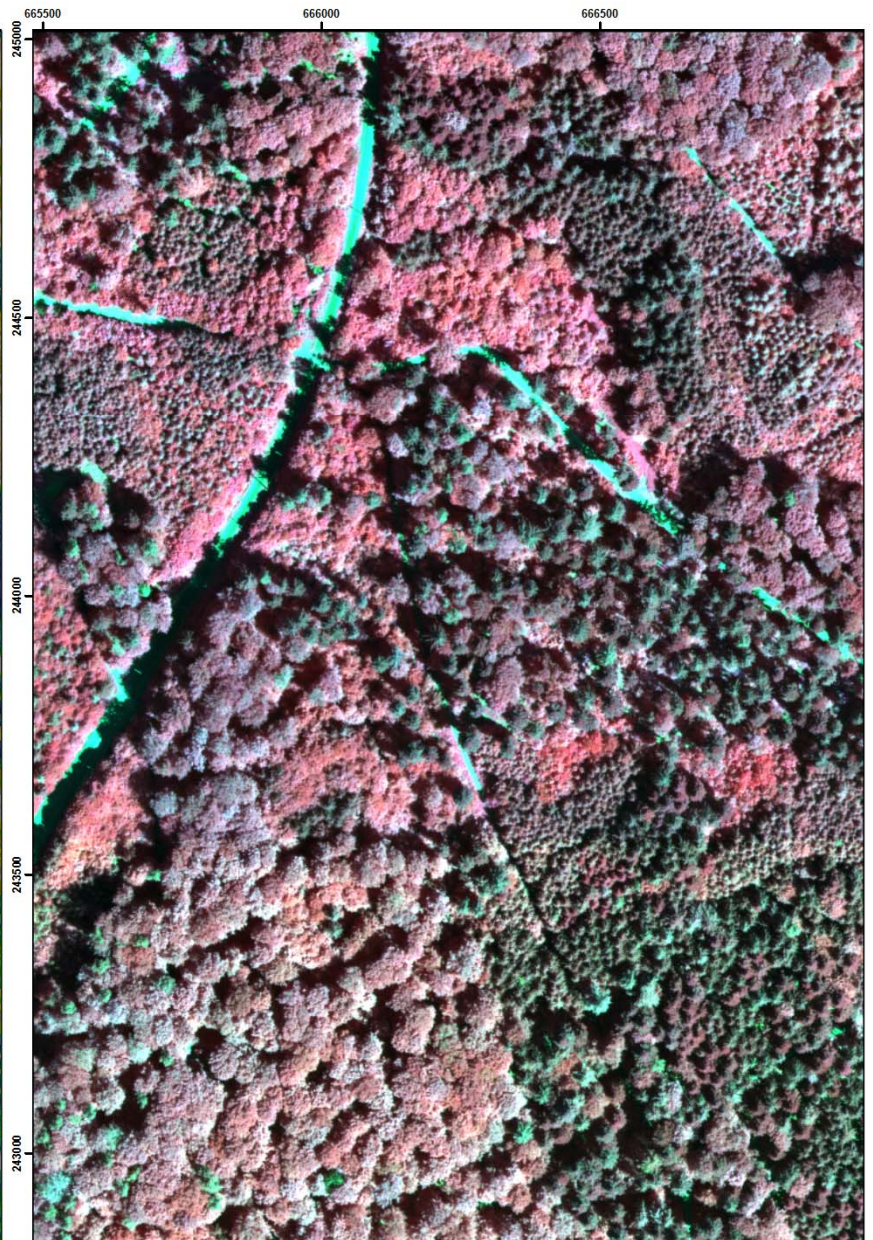
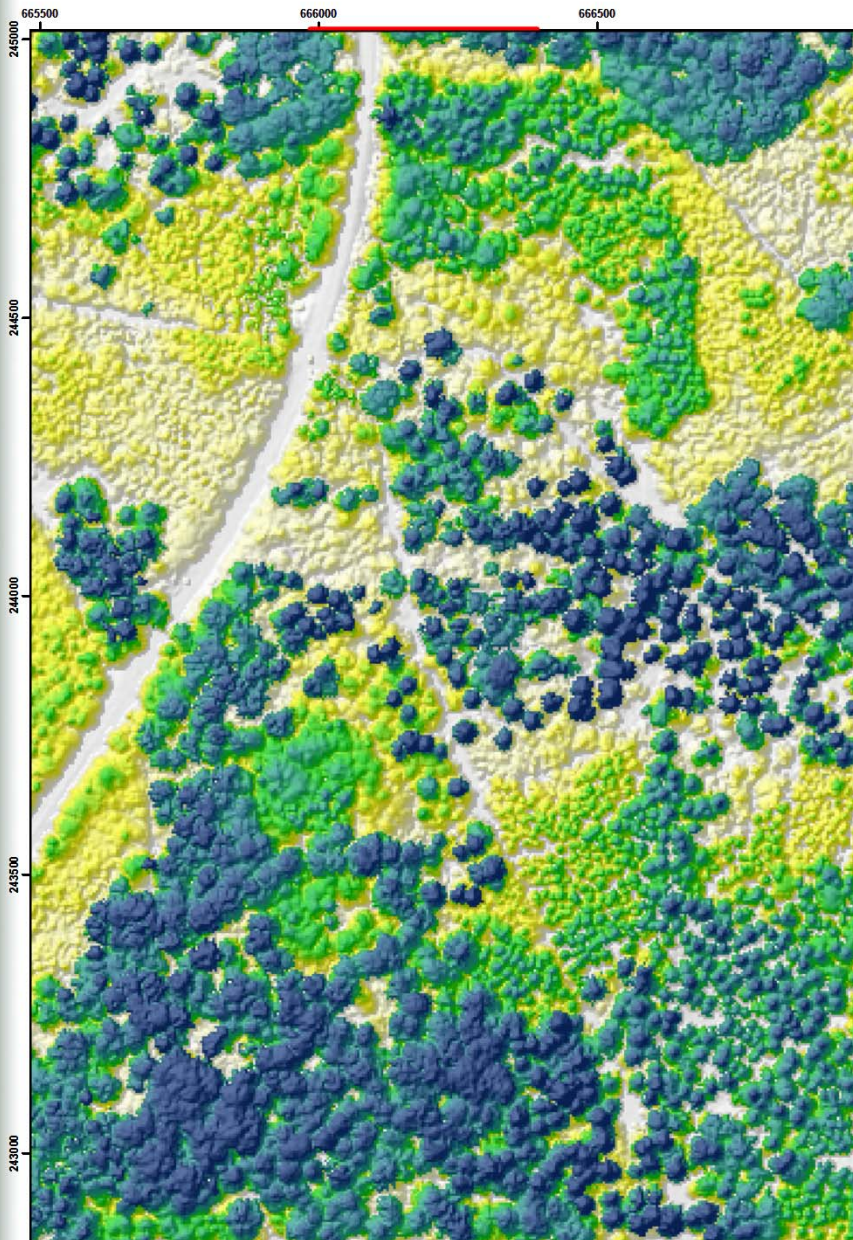






ALS: Punktwolke - Raster



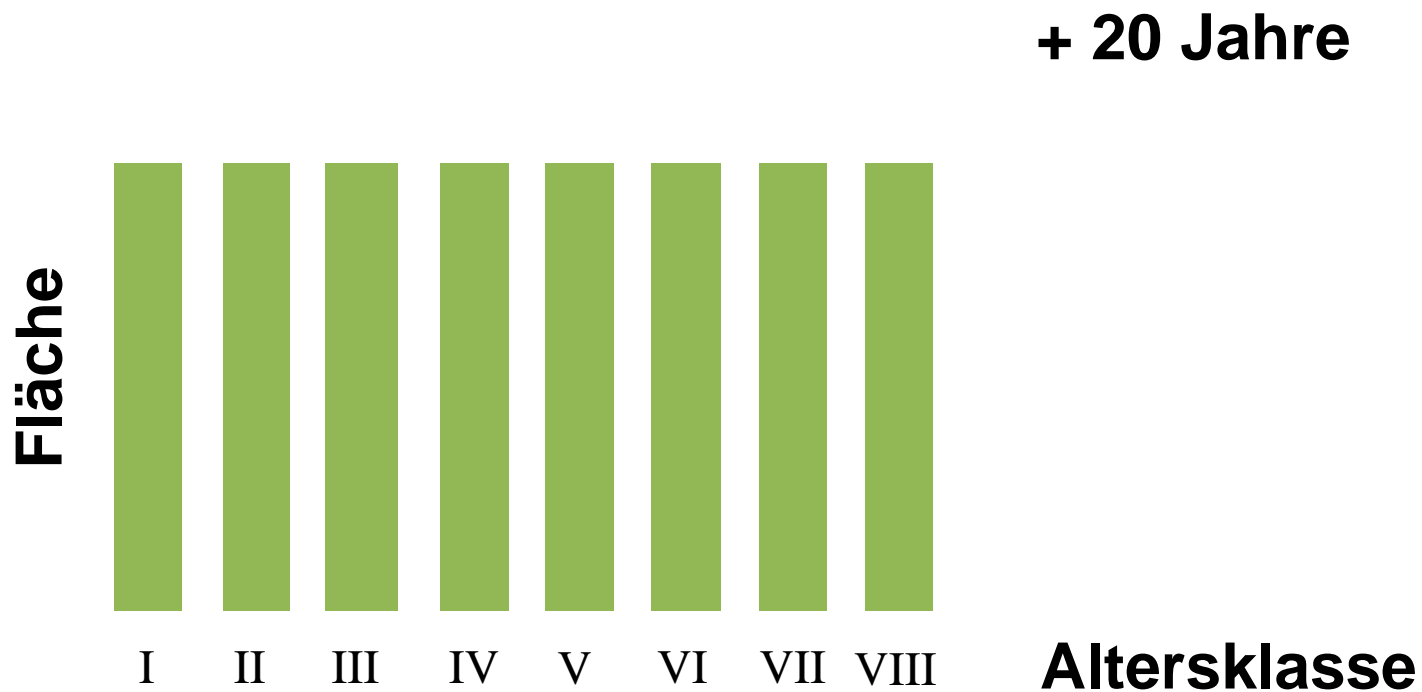


Bremgarten (AG): Flugdatum 24.06.2010

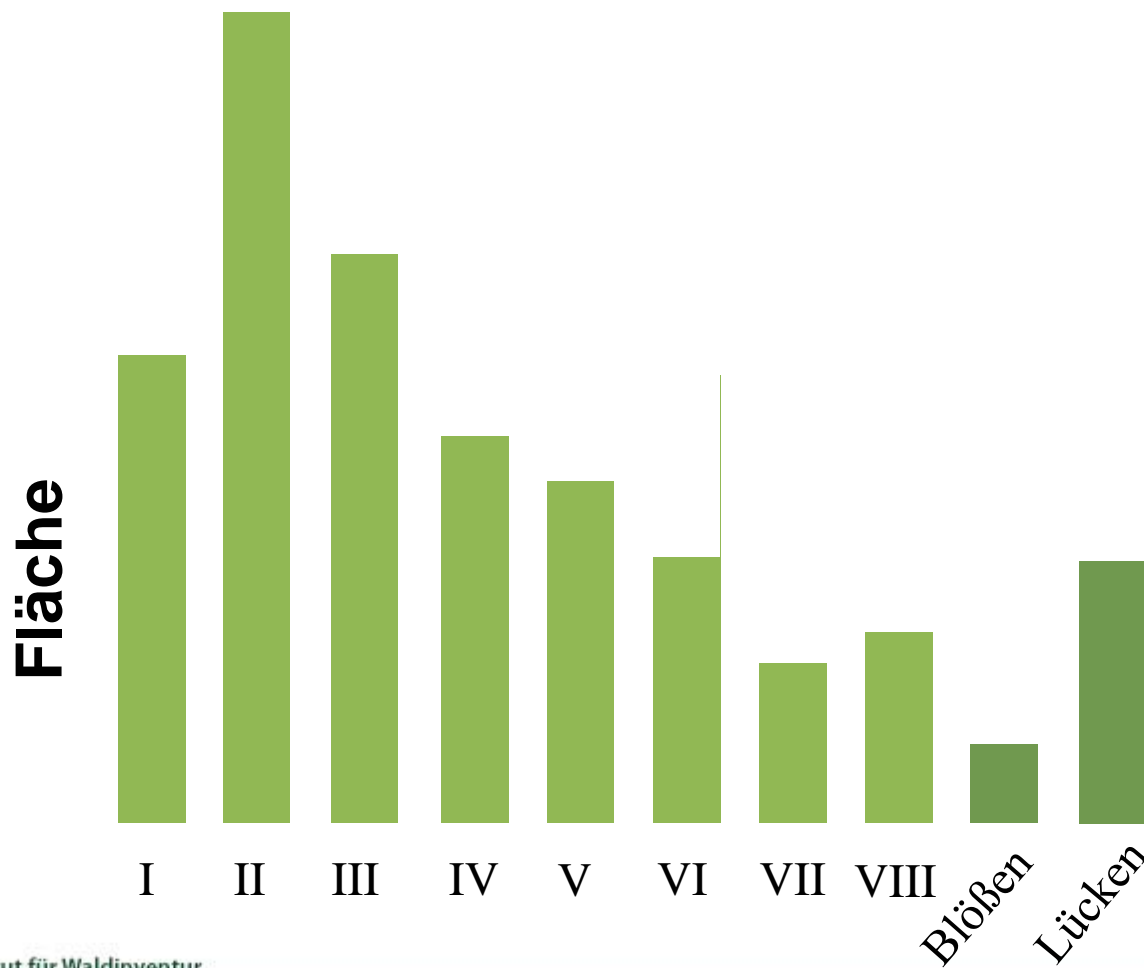
Raum – Zeit Kontinuum

- Kategorisieren
 - Wachstum - Wuchsklassen
 - Alter - Altersklassen

Altersklassenverteilung - Entwicklung über der Zeit



Aktuelle Alterklassenverteilung



Raum – Zeit Kontinuum

- Kategorisieren
 - Wachstum - Wuchsklassen
 - Alter - Altersklassen
 - Genetische Variation - Baumarten
 - Verteilung der Bäume - Walddefinition

Forest area – ALS - Match



Forest area – ALS

min. height 2m

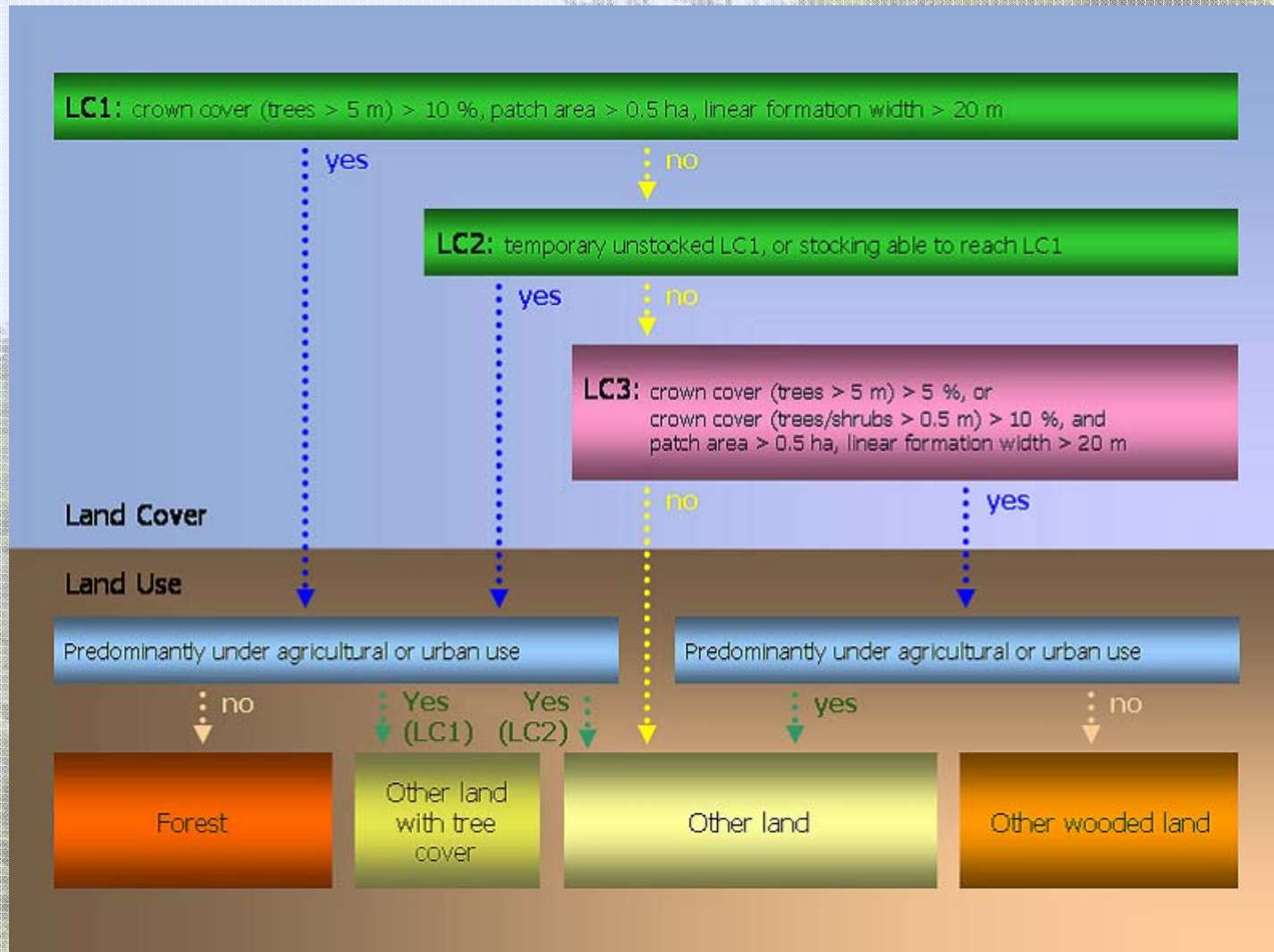


Forest area – ALS

min. height 0,5m



Forest area - Definition



Forest area - Definition

Forest $\{ \{ LC[Tree \ 10\%] \vee LU[tua] \}$
 $\wedge LU(\neg pau) \} \vee LC[wsc] \vee LU(add)$

where the square brackets, [.] , indicate that quantitative thresholds must be considered and parentheses, (.) , indicate that qualitative criteria (nominal scale) must be considered.

Gabler et. al. 2012

Erkki Tomppo · Thomas Gschwantner · Mark Lawrence · Ronald E. McRoberts
Editors
National Forest Inventories
Pathways for Common Reporting

Tomppo · Gschwantner
Lawrence · McRoberts *Eds.*

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Editors

Traditionally the purpose of National Forest Inventories (NFIs) has been to provide continuously updated information regarding the state of a given nation's forest resources, including their timber volumes, species composition and sustainable development. But with increased international reporting requirements – to the FAO, the ITTO, the UN's Framework Convention on Climate Change, the Ministerial Conference Protecting Forest in Europe and other international bodies – the potential role of how NFIs can accurately respond to these requirements has received some considerable attention.

Addressing the issue of how well countries are able to respond to current international reporting requirements, this book discusses the importance of comparable reporting, and the possible approaches for achieving comparability across Europe and globally. It includes country status reports from 37 countries, worldwide, and it discusses methodologies and techniques for a common reporting system.

With its collection of inventories and detailed discussions on the current status and future needs of NFIs, this book provides an invaluable resource for anyone involved in developing, managing, monitoring or contributing to forest inventories, as well as to those who are researching or practising forest resource management.



National Forest Inventories

National Forest Inventories

Pathways for Common Reporting



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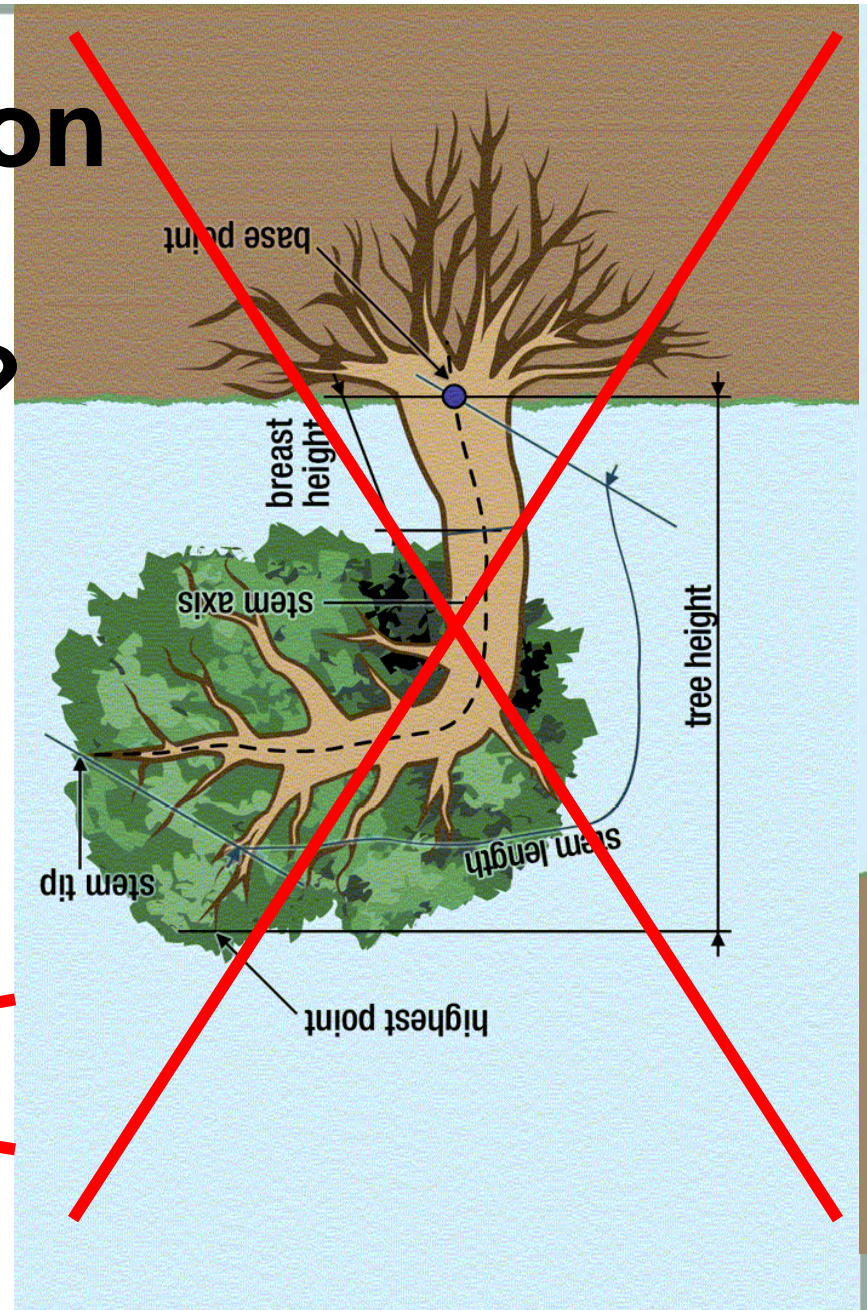
Harmonisierung von Nationalen Waldinventuren?

Durchaus möglich

Etwas trickreich

Sehr herausfordernd

~~Mission impossible~~





Vielen Dank für die
Aufmerksamkeit