

COST Action E43
Harmonisation of National Inventories
in Europe:
Techniques for Common Reporting

WG1 = Working Group 1

**Overview, Achievements,
expected Outputs**

Hotel Praia Mar, Lisbon, Portugal
June 5-7, 2008

Claude Vidal – French NFI

Reference Definitions

- The concept of Reference Definition
 - Applied on forest & growing stock (published)
 - Trees and Tree Components (finalised)
- The concept of Borderline (under discussion)
- Document on Reference Definition for WG1 (validated at around 90%)
- Cross-Checking of WGs Reference Definitions (joint document prepared in Norway)

Bridge Building

- The concept of Bridge and Bridge Building (agreed)
- Case studies on Bridge Building :
 - Forest Area, Growing Stock (presented in former seminars)
 - Biomass ? (to be discussed with WG2)
- Metadatabase of National and Reference Definitions (more or less finalised)

NFIs WG1 Questionnaire

- Validation by Countries on a few aspects
(to be discussed in WG session)
- Presentation of Results on forest, growing stock and sampling design (under preparation)

Thank you for your attention



The Concept of Reference Definitions

Methods and principles to create definitions

Establishing Forest Inventory Reference Definitions for Forest and Growing Stock: a Study towards Common Reporting. Silva Fennica 42(2): 247–266.

Vidal, C., Lanz, A., Tomppo, E., Schadauer, K., Gschwantner, T., di Cosmo, L. & Robert, N. 2008.

Scientific articles, published or near published

WG1

Establishing Forest Inventory Reference Definitions for Forest and Growing Stock: a Study towards Common Reporting. 2008. Vidal, C., Lanz, A., Tomppo, E., Schadauer, K., Gschwantner, T., di Cosmo, L. & Robert, N. *Silva Fennica* 42(2): 247–266.

Some Approaches and Designs of Sample-based National Forest Inventories, Gabler & Schadauer. 2007. *Austrian Journal of Forest Science*.

The Concept of Reference Definitions

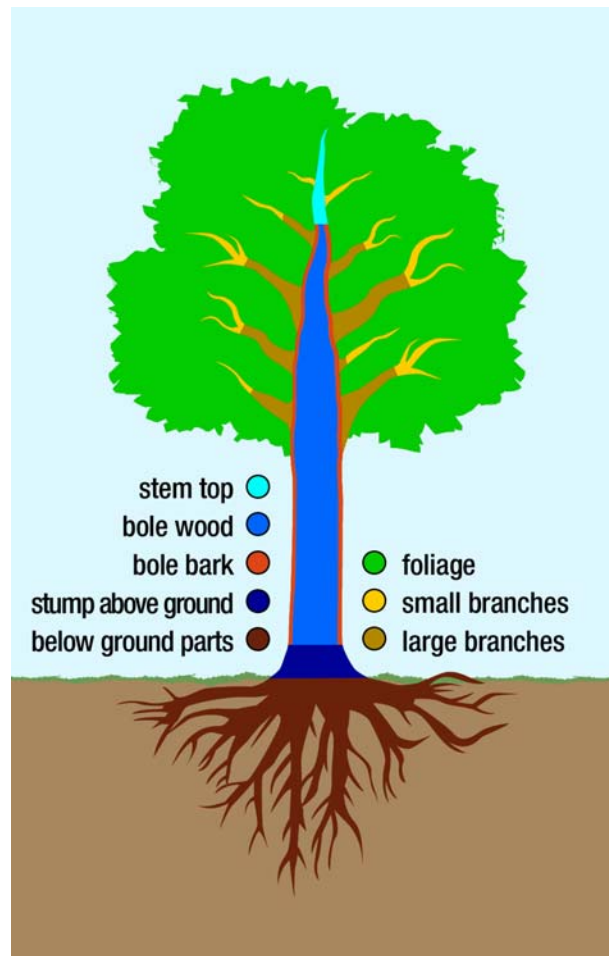
Trees and Tree Components

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Common tree definitions for NFIs in Europe

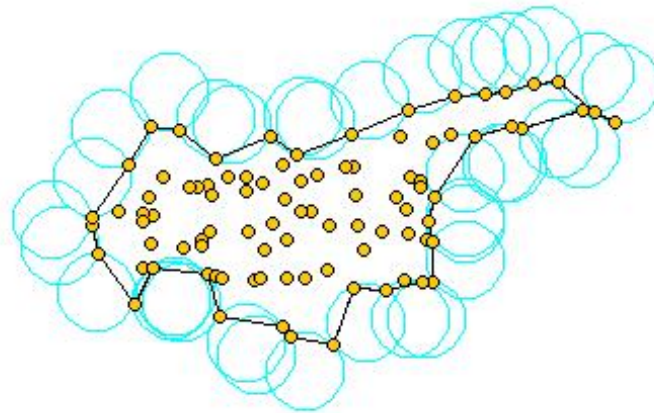
T. Gschwantner, K. Schadauer, C. Vidal, A. Lanz, E. Tomppo, L. di Cosmo, N. Robert, and D. Englert

The Concept of Reference Definitions

Trees and Tree Components



The Concept of Borderline



Document on Reference Definition for WG1

Labelling reference definitions

– Long-term agreement



– Mid-term reference



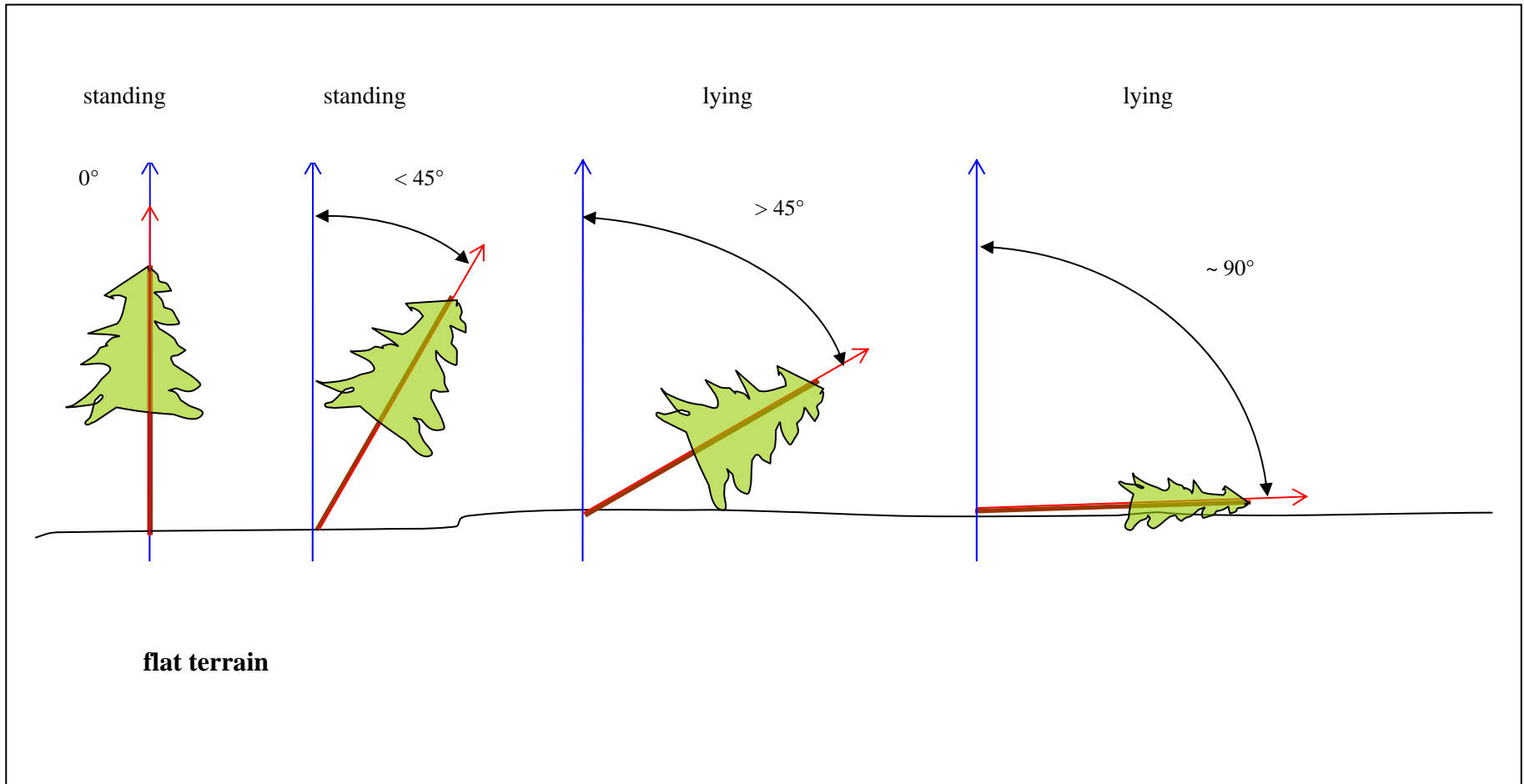
– Discussed, not yet agreed
Likely to be agreed



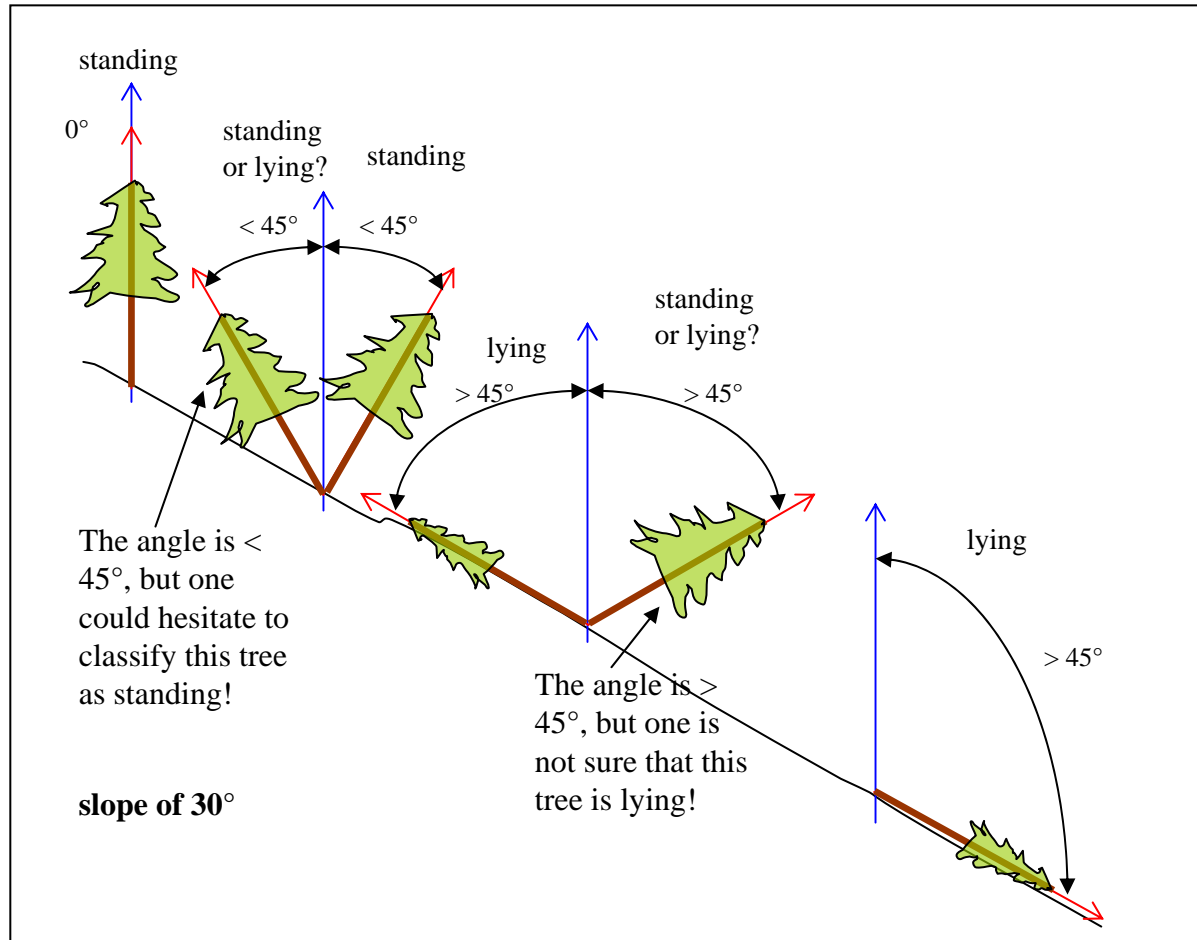
– Discussed, but not likely to
reach a reference definition soon



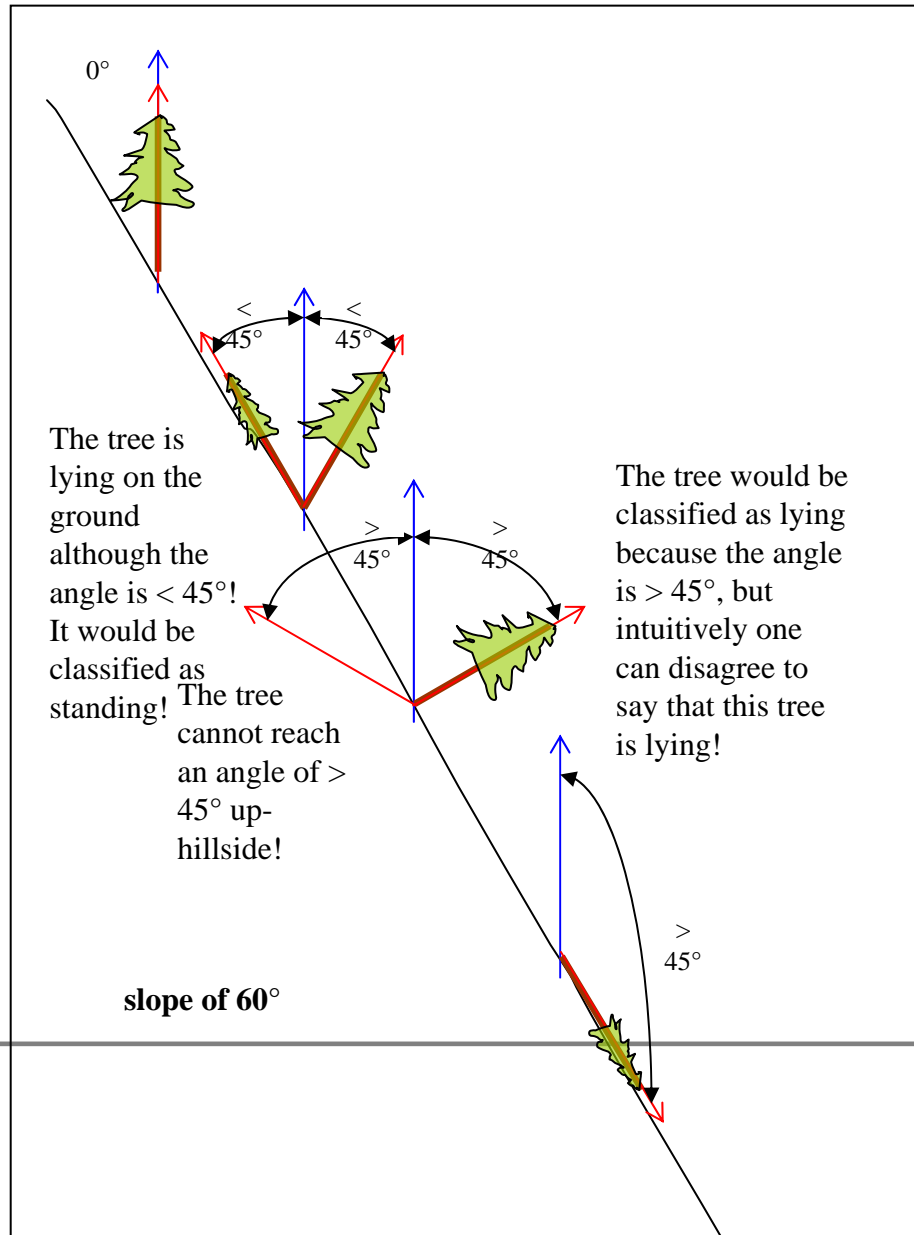
Document on Reference Definition for WG1



Document on Reference Definition for WG1



Document on Reference Definition for WG1



Cross-Checking of WGs Reference Definitions

(joint document prepared in Norway)

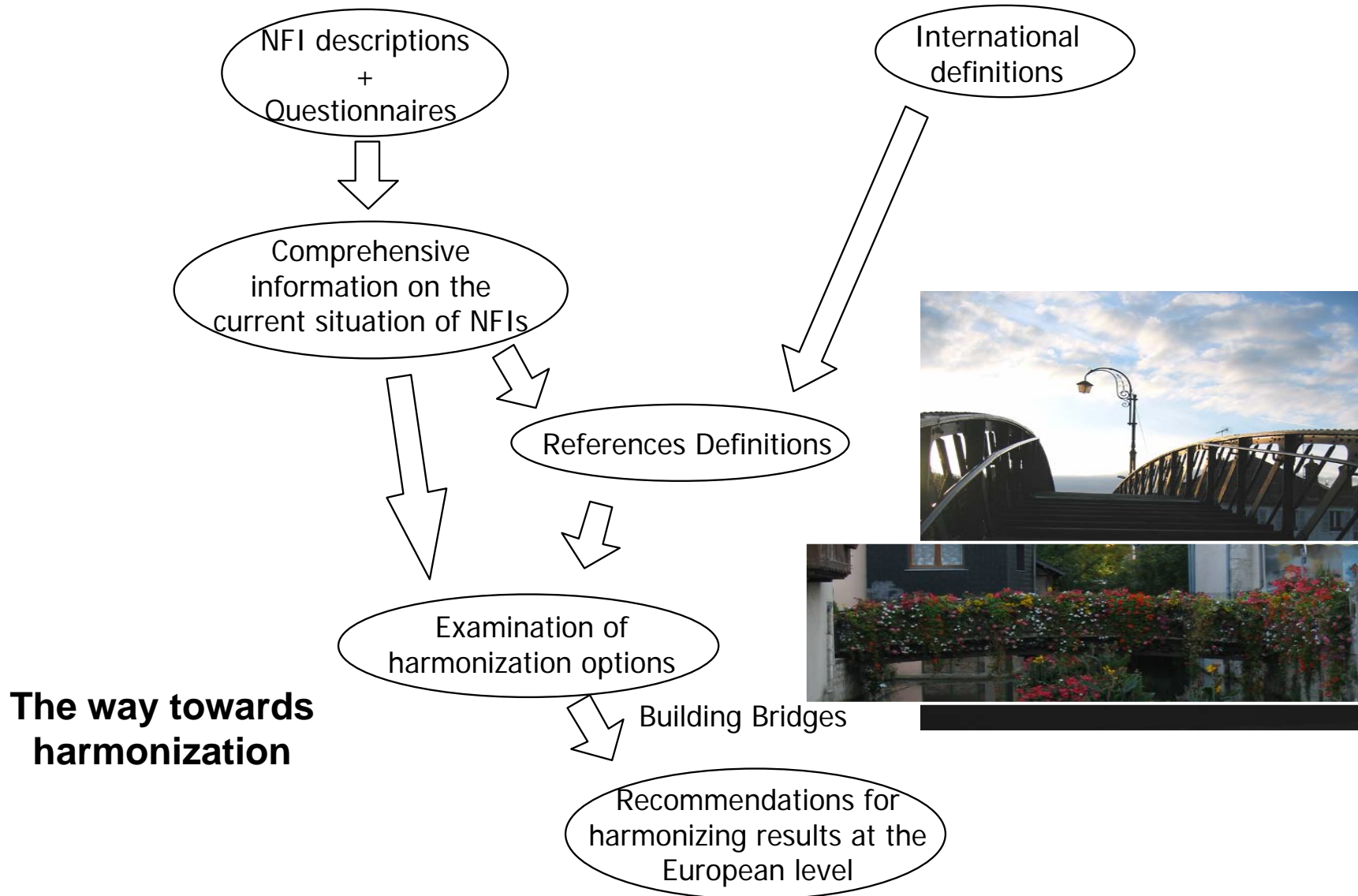
the latest draft of reference definitions is available under

<http://www.wsl.ch/staff/adrian.lanz/references/cost-e43-reference-definitions.aritcle.html>

PDF is:

<http://www.wsl.ch/staff/adrian.lanz/references/cost-e43-reference-definitions.aritcle.pdf>

The concept of Bridge and Bridge Building



Case studies on Bridge Building

Forest Area

- Klemens Schadauer: Austrian case study. Location of Forest Borderline for FAO forest area assessment
- Christian Ginzler: Forest definition aspect on the upper forest line
- Patrizia Gasparini: Forest / non-forest: Point vs. area decision
- Nicolas Robert / Thomas Gschwantner: Comparison of Area Estimates from two Assessment Approaches. Area decision vs. Point decision.
- Heino Polley: Harmonisation of forest definitions. German NFI and FAO definition.

Case studies on Bridge Building

Growing Stock

- Patrizia Gasparini: Volume & phytomass estimation in IFNIs
- Andrius Kuliesis / Gintaras Kulbokas: Bridging growing stock volume estimation. Lithuanian case study
- Thomas Gschwantner: Reference definition: Growing stock
- Stein Tomter: Comparison between two approaches for estimating the volume of small trees in Norway
- Heino Polley: Harmonisation of forest definitions: Growing stock. German NFI and FAO definition

Case studies on Bridge Building

Biomass ?

(to be discussed with WG2)

NFIs WG1 Questionnaire

- Validation by Countries on a few aspects
(to be discussed in WG session)
- Finalisation of the COST WG1 Report

Metadatabase of National and Reference Definitions

Analysing differences between national forest inventory and reference definitions (foreseen)

Lanz, A., di Cosmo, L., Robert, N., Gschwantner, T., and Gabler, K. ?

The contribution of WG1 to the Special Issue of Forest Science

- ***Harmonizing national forest inventories***, Tomppo, E., and Schadauer, K.
- ***Forest reference definitions as a tool for international reporting***, Vidal, C., Lanz, A., Tomppo, E., Schadauer, K., Gschwantner, T., di Cosmo, L., Robert, N., Lawrence, M., and Tomter, S.
- ***Forest boundary: A necessary concept for defining forest area*** Lanz, A., Schadauer, K., Vidal, C., Gschwantner, T., Tomter, S., and Gabler, K.
- ***Case studies as a necessary step in establishing bridging functions*** Tomter, S., Vidal, C., Tomppo, E., Schadauer, K., Kuliesis, A., Ginzler, C., Polley, H., Gasparini, P., Söderberg, U., Robert, N., and Gschwantner, T.
- ***Analysing differences between national forest inventory and reference definitions***, Lanz, A., di Cosmo, L., Robert, N., Gschwantner, T., and Gabler, K.

Thank you for your attention

