

Annex 2: Materials and Methods

The FOREST EUROPE State of Europe's Forests 2011 report is based on the six pan-European criteria, and 35 quantitative and 17 qualitative indicators for sustainable forest management (SFM).

The report on quantitative indicators has been prepared on the basis of the data and information received from countries (National Correspondents), as well as from UNECE/FAO and FAO databases and from other International Data Providers (IDPs) (see Annex Table K). The main instrument for the data collection has been a common questionnaire, as well as information received from IDPs prepared according to agreed Technical Specifications.

The Main Questionnaire addressed all the pan-European criteria and indicators, taking into account that the data/information on Indicators 2.1, 2.2, 2.3, 4.6, 4.7, 6.7, and 6.8 was provided by the International Data Providers (*EC JRC, ICP Forests, Bioversity International, EUROSTAT, FAO, UNECE - JFSQ and JWEE, and others*). The set of Terms and Definitions supporting the Enquiry and its Reporting Forms were included.

A major reason to use data collected and assessed at the national level and to combine these with data from other sources was to capitalise on the experience and utilise investments into national forest resources assessments to the maximum extent.

Data on the 17 pan-European qualitative indicators for SFM was covered through a separate enquiry addressed to FOREST EUROPE national focal points. UNECE/FAO and the FOREST EUROPE Liaison Unit Oslo jointly prepared the 2011 enquiry on Pan-European Qualitative Indicators for Sustainable Forest Management (SFM), including

reporting on National Implementation of commitments from former Ministerial Conferences. The questionnaire was drafted on the basis of pan-European qualitative indicators as approved at the Vienna Ministerial Conference in 2003, as well as lessons learned through previous enquiries (State of Europe's Forests 2007, FRA 2010). The enquiry on Part A, "Overall policies, institutions and instruments for SFM" and Part B, "Policies, institutions and instruments by policy area", contains twelve indicators aiming to provide information in addition to the information provided in Part A. This concerns the specific policy objectives, the main institutions relevant to achieve the objective as well as the main policy instruments used. The questionnaire was sent to FOREST EUROPE correspondents in early March 2010, asking for submission of national reports by mid-May 2010.

Data on quantitative indicators was compiled, checked and verified with national correspondents where necessary and stored in the FAO database through well-established routines for forest resources assessment at both UNECE/FAO and FAO. The qualitative data was collected, reviewed, validated and analysed by UNECE/FAO and the European Forest Institute (EFI) in collaboration with the FOREST EUROPE Liaison Unit Oslo, and stored in a specifically designed database.

The reviewed data were subsequently made available to coordinating lead authors, lead authors and authors of individual chapters of the report.

Information on materials and methods applied for assessing the sustainability of forest management is available in Part III.

Annex Table K: Data providers for reporting on Pan-European Quantitative Indicators

No.	Indicator	Data provider
1.1	Forest area	FRA2010 (pre-filled); National Data Reporting Forms
1.2	Growing stock	FRA2010 (pre-filled); National Data Reporting Forms
1.3	Age structure and/or diameter distribution	National Data Reporting Forms
1.4	Carbon stock	FRA2010 (pre-filled); National Data Reporting Forms
2.1	Deposition of air pollutants	ICP Forests/EC JRC
2.2	Soil condition	ICP Forests/EC JRC
2.3	Defoliation	ICP Forests/EC JRC
2.4	Forest damage	FRA2010 (pre-filled); National Data Reporting Forms
3.1	Increment and fellings	National Data Reporting Forms
3.2	Roundwood	UNECE-JFSQ (pre-filled); National Data Reporting Forms
3.3	Non-wood goods	FRA2010 (pre-filled); National Data Reporting Forms
3.4	Services	National Data Reporting Forms
3.5	Forests under management plans	National Data Reporting Forms
4.1	Tree species composition	National Data Reporting Forms
4.2	Regeneration	FRA2010 (pre-filled); National Data Reporting Forms
4.3	Naturalness	FRA2010 (pre-filled); National Data Reporting Forms
4.4	Introduced tree species	National Data Reporting Forms
4.5	Deadwood	National Data Reporting Forms
4.6	Genetic resources	Biodiversity International
4.7	Landscape pattern	EC JRC
4.8	Threatened forest species	National Data Reporting Forms
4.9	Protected forests	National Data Reporting Forms
5.1	Protective forests – soil, water and other ecosystem functions	National Data Reporting Forms
5.2	Protective forests – infrastructure and managed natural resources	National Data Reporting Forms
6.1	Forest holdings	FRA2010 (pre-filled); National Data Reporting Forms
6.2	Contribution of forest sector to GDP	EUROSTAT/FAO (pre-filled); National Data Reporting Forms
6.3	Net revenue	EUROSTAT (pre-filled); National Data Reporting Forms
6.4	Expenditures for services	National Data Reporting Forms
6.5	Forest sector workforce	EUROSTAT (pre-filled); National Data Reporting Forms
6.6	Occupational safety and health	National Data Reporting Forms
6.7	Wood consumption	UNECE-JFSQ
6.8	Trade in wood	UNECE-JFSQ
6.9	Energy from wood resources	UNECE-JWEE (pre-filled); National Data Reporting Forms
6.10	Accessibility for recreation	National Data Reporting Forms
6.11	Cultural and spiritual values	National Data Reporting Forms