

COST
**Technical Committee “Forests and Forestry
Products“**

COST Action E43

*Harmonisation of national forest inventories in
Europe: Techniques for Common Reporting*

PROGRESS REPORT

Period: from (June 2004) to (December 2004)

(Start date of the Action: June 10, 2004)

(December 31, 2004)

This Report is prepared by the Management Committee of the Action and presented to the relevant Technical Committee. The report is a "cumulative" report, i.e. it is updated annually and covers the period beginning from the start date of the Action.

1. Overview: Action Identification Data

COST Action E43

Harmonisation of national forest inventories in Europe:
techniques for common reporting

TC Recommendation: 27-29/11/2003

CSO Approval: 16-17/2/2004

Start date: 28/6/2004 ⁽¹⁾

Duration: 48

Extension: months

End date: 27/6/2008

First MC meeting: 28-29/06/2004

Last MC meeting: 02-03/12/2004

Final Report: (day/month/year) ⁽²⁾

Evaluation Report: (day/month/year) ⁽²⁾

TC Evaluation: (day/month/year)

Number of signatories: 25

Signatories and date of signature:

Austria	15/06/2004	Greece	27/06/2004	Poland	
Belgium	24/09/2004	Hungary	07/07/2004	Portugal	
Bulgaria		Iceland	09/11/2004	Romania	11/06/2004
Croatia		Ireland	28/06/2004	Slovakia	28/07/2004
		Israel			
Cyprus	11/06/2004	Italy	15/06/2004	Slovenia	26/08/2004
		Yugoslavia			
		Former Yugoslav Rep.of			
		Macedonia			
Czech Republic	07/07/2004	Latvia	07/07/2004	Spain	13/07/2004
Denmark	10/06/2004	Lithuania	29/07/2004	Sweden	22/05/2004
Estonia	10/06/2004	Luxembourg		Switzerland	24/08/2004
Finland	10/06/2004	Malta		Turkey	
France	10/06/2004	Netherlands	10/06/2004	United Kingdom	10/06/2004
Germany	22/06/2004	Norway	03/09/2004		

Institutes of non-COST countries: MC on 3/12 2004 recommended US Forest Service for TC

Area:

Action Web site: <http://www.metla.fi/eu/cost/e43/index.html>

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Country: Finland

TC Rapporteur: *Title, name, country*

External Evaluator: *Title, name, affiliation, country*

External Evaluator: *Title, name, affiliation, country*

(1) Date of the first MC meeting.

(2) When the report is received by TC Secretariat

2. OBJECTIVES

The objectives of the Action are:

1. To improve and harmonise the existing national forest resource inventories in Europe
2. To support new inventories in such a way that inventories will meet national, European and global level requirements in supplying up-to-date, harmonised and transparent forest resource information
3. To promote the use of scientifically sound and validated methods in forest inventory designs, data collection and data analysis
4. To provide examples of harmonised forest resource information about key parameters for Europe

The ultimate goal of the Action is to build up the forestry information services on the national level inventories in order to get maximised benefits from inventories and maximised advantage of local knowledge and requirements together with international requirements. The goal is also to maximise the synergy between NFIs and European and global level processes and policies that require forestry information.

To achieve its objectives, the Action will

- Establish and maintain a forum for sharing experiences and new ideas, ensuring continuous improvement of the NFIs
- Work actively with harmonisation issues, in order to provide a core set of harmonised forest variables at regular intervals
- Cooperate within different projects for scientific development work within the field of data acquisition for sustainable multi-functional forestry
- Promote active and open dialogue with key organisations and openness to new requirements on forest data for emerging policy needs
- Assess methods for reporting and supplying comparable European level forest resource information
- Identify research needs for joint projects within the EU Framework Programmes and regional (as SNS) and national funding.

3. TECHNICAL DESCRIPTION AND IMPLEMENTATION

The objectives of the work will be met through the activities done in the three **Working Groups (WG)**, through seminars, workshops, Training courses and Short Term scientific missions. The Office Holders were elected in the first MC meeting in Brussels on June 28-29/ 2004. The work plans of the Action and the three working groups were modified and fine-tuned in the first Steering Committee (**SC**) meeting in Helsinki on July 15-16/ 2004. The SC meeting in Nogent-sur-Vernisson, France, on 30/9.-1/10/2004 proposed and the MC committee in Gembloux, Belgium on 21-22/10/2004 accepted the principle that the Action will provide, not only state-of-the-art reports of the harmonisation situations of NFIs in Europe and outlined tools to meet the harmonisation, but also some examples of harmonised basic forest resource estimates. This implies that some practical work and analysis have to be done by the Action and the WGs.

Main output of the Action is to collect and define reference definitions and concepts and to develop methods for obtaining harmonised results. Following procedure of working was agreed for all WGs.

- Analyse existing standards (TBFRA2000, FRA2005, MCPFE, IPCC GPG, CBD...) and the results of the questionnaires
- Identify the key parameters for which we define references
- Define references
- Design standardised result tables for each WG. These tables serve as harmonised European level forest inventory, forest carbon pool and forest biodiversity statistics
- Select the most essential tables (core tables)
- Collect the information of the core tables independently of the additional funding
- Evaluate how close countries are to the references, identify differences
- “Build bridges” for achieving standardised results
- Errors & reliability must be considered, methods for eliminating these biases and uncertainties must be developed.
- Countries may be asked which practices/definitions they could change

One concrete output of the Action is examples of harmonised results for some countries to be identified later. Linkage between Work Groups will be maintained by joint sessions and cooperation of the WG Chairpersons and the Action Chairs.

The three working groups are:

- WG1: Harmonised definitions and measuring practices.
- WG2: Harmonised estimation procedures for carbon pools and carbon pool changes.
- WG3: Harmonised indicators and estimation procedures for assessing components of biodiversity with NFI data.

Task Force groups (TF) and sub-groups have been established to make to work more efficient.

Technical description and implementation by WGs

WG1 established a task force group (sub working group) for preparing the questionnaire. It began its work after Hørsholm meeting and ended with Florence meeting. The members were: Adrian Lanz (Switzerland, Leader), Martin Cerný (Czech Republic), Stein Tomter (Norway), Karl Gabler (Austria), Ulf Söderberg (Sweden), Kari T. Korhonen (Finland), Thierry Belouard (France), Piermaria Corona (Italy), Patrizia Gasparini (Italy), Jacques Rondeux (Belgium), Vivian Kvist Johansen (Denmark), Jean-Christoph Hervé (France). The goal was to prepare a questionnaire on tree and forest definitions, measurement techniques, volume functions, and sampling designs used for total growing stock of standing living trees and total volume of standing dead trees estimation in European NFIs.

The -working mode was TF meeting in Gembloux and home work with information exchange through emails. The questionnaire was accepted by full WG1 at Florence meeting.

WG2 also established a temporary TF group to prepare the questionnaire of the state-of-the-art of Carbon reporting in Europe. The focus was on LULUCF (Land Use, Land Use Change and Forestry) sector of UNFCCC (United Nations Framework Convention on Climate Change) and UNFCCC/KP (UNFCCC/Kyoto Protocol) reporting. The members of the group were Göran Ståhl (Sweden, leader), Mark Broadmeadow (United Kingdom), Emil Cienciala (Czech Republic), Antoine Colin (France), Karsten Dunger (Germany) and Erkki Tomppo (Finland).

WG3 decided to establish three working subgroups.

Subgroup 1: developing of the table questionnaire

Subgroup 2: forest type classification

Subgroup 3: statistical issues.

Members of the subgroup 1 are: Jan-Erik Nielsen, (Norway, leader), Annemarie Bastrup-Birk (Denmark), Anna-Lena Axelsson (Sweden), Catherine Cluzeau (France), Urs-Beat Brändli (Switzerland), Elmar Hauk (Austria) and Gherardo Chirici (Italy). The goal of subgroup 1 has been to structure the list of forest biodiversity indicators chosen from the CBD and MCPFE indicators. The list includes indicators which are measured or assessed directly or indirectly by the National Forest inventories. The purpose of the questionnaire is to get information on forest biodiversity inventorying in order to be able identify similarities and gaps between the different countries. Gherardo Chirici together with some of his team will develop a database based on the table questionnaire in order to treat the questionnaire results in an efficient way.

Members of the subgroup 2 are: Anna-Lena Axelsson, Jan-Erik Nielsen, Nadia Barsoum, Anna Barbati (Italy), Iciar Alberdi Asensio (Spain). The goal of the subgroup 2 is to implement a forest type approach in the work of the WG3. The concept of 'forest type' is seen as a means to facilitate the harmonisation of the 'National Forest Inventory' assessment and reporting. The subgroup will be working with 12 main forest types, which will be further sub-divided in accordance to the work done under the BEAR project. The subgroup will submit a list of forest types and maps of eco-regions to WG2.

The subgroup 3 is tentatively led by Dieter Pelz (Germany). The members will be selected later.

Furthermore, it was agreed that harmonisation aspects of some key variables will be prepared by nominated persons until the next meeting. In addition, some WG members were appointed to identify BD variables specific for some countries and analyse potential harmonisation problems to be discussed at the next meeting. The variables and persons in charge are: age (Anna-Lena Axelsson, Sweden and Jean-Erik Nielsen, Norway), veteran trees and microsites (Nadia Barsoum, UK), deadwood (Anna-Lena Axelsson, Sweden), forest types (Anna Barbati, Italy, Iciar Alberdi Asensio, Spain).

All working group meetings have been used for concrete work with the development of the table questionnaire. Most countries have been represented in all meetings at Hoersholm, Gembloux and Florence. Refinements and clarifications as well as more administrative work have been done via e-mail contacts.

Secretarial services

The Science Officer of the Action, Mr. Günter Siegel, serves as a Meeting Secretary in MC meetings and writes the minutes. In the first MC meeting in Brussels, Dr. Niall Farrelly (Ireland) expressed his readiness to serve as a Meeting Secretary in the MC meetings at which the Science Officer will not be present.

During the joint WG meetings, separate WG meetings and SC meetings, the meeting secretaries are elected separately for each meeting. The other secretarial services during the meetings are provided by the hosting organisations of the meeting. Practical arrangements before the meetings have been done by the hosting institute and Metla. Other secretarial work related to the Action was arranged by Metla.

4. PARTICIPATION AND COORDINATION

4.1 Management Committee

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List of Members by Country

Austria: Dr. Klemens SCHADAUER, Bundesamt und Forschungszentrum für Wald

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Croatia: Mr. Mislav Vedris Mario BOŽIC, University of Zagreb
Mr. Željko GALIC, University of Zagreb
Mr. Nikola LUKIC, University of Zagreb

Cyprus Dr. Loizos LOIZOU, Ministry of Agriculture, Natural Resources and Environment
Forestry Department

Czech Republic

Dr. Martin CERNÝ, Institute of Forest Ecosystem Research Limited
Dr. Emil CIENCIALA, Institute of Forest Ecosystem Research Limited

Denmark: Dr. Annemarie BASTRUP-BIRK, Royal Veterinary and Agricultural University
Forest & Landscape Denmark
Dr. Vivian Kvist JOHANNSEN, Centre of Forests, Landscape and Planning

Estonia: Mr Veiko ADERMANN, Centre of Forest Protection and Silviculture The Department
of National Forest Inventory

Finland: Dr. Kari T. KORHONEN, Finnish Forest Research Institute, National Forest
Inventory, Joensuu Research Station
Prof. Dr. Erkki TOMPPU Finnish Forest Research Institute, National Forest
Inventory, Vantaa Research Station

France: Dr. Claude VIDAL, Inventaire Forestier National
Mr. Jean WOLSACK, Inventaire Forestier National

Germany: Dr. Gerald KÄNDLER, Forest Research Institute of Baden-Württemberg, Department
of Biometrics
Dr. Heino POLLEY, Federal Research Centre for Forestry and Forest Products
Institute for Forest Ecology and Forest Assessment

Greece: Dr. Ioannis MELIADIS, National Agricultural Research Foundation Forest Research
Institute

Hungary: Mr. László KOLOZS, State Forest Service

Iceland: Mr. Bjarki Thór KJARTANSSON, Icelandic Forest Research, c/o Agricultural
Research Institute (RaLa)
Mr. Arnór SNORRASON, Icelandic Forest Research

Ireland: Dr. Niall FARRELLY, Forest Service Department of Agriculture and Food

Italy: Prof. Marco MARCHETTI, Accademia Italiana di Scienze Forestali
Dr. Vittorio TOSI, ISAF

Latvia: Mr. Jurgis JANSONS, Latvia State Wood Research Institute 'Silava'

Lithuania: Dr. Albertas KASPERAVICIUS, Deputy Director, Lithuanian Service of Forestry
Prof. Andrius KULIEŠIS, Director, Lithuanian Service of Forestry

Netherlands:

Dr. Gerard (G.M.) DIRKSE, Alterra, Centrum Landschap
Dr. Gert-Jan (G.J.) NABUURS, Alterra (Centrum Ecosystemen)

Norway: Dr. Stein M. TOMTER, Norwegian Institute of Land Inventory

Romania: Mr. Ovidiu BADEA, ICAS
Mr. Gheorghe MARIN ICAS

Slovak Republic:

Dr. Martin MORAVCIK, Forest Research Institute, Department of Forest Management and Monitoring

Slovenia: Prof. Milan HOCEVAR, Slovenian Forestry Institute

Spain. Dr. Iciar ALBERDI ASENSIO, Inventario Forestal Nacional, D. Gral. para la Biodiversidad
Dr. José A. VILLANUEVA ARANGUREN, Servicio de Inventario Forestal D. Gral. para la Biodiversidad

Switzerland:

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Dr. Adrian LANZ, Abteilung Landschaftsinventuren, Eidg. Forschungsanstalt für Wald, Schnee und Landschaft (WSL/FNP)

United Kingdom:

Mr. Simon GILLAM, Economics and Statistics, Forestry Commission

Prof. Dr. Samuel P EVANS, Head, Biometrics, Surveys and Statistics Division
Forest Research, the executive research Agency of the Forestry Commission

4.2 Participating Institutions

- French NFI
- Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Section Landscape Inventories
- Centre of Forest Protection and Silviculture (under Ministry of the Environment), Department of National Forest Inventory
- Austrian Federal Office and Research Centre for Forests, Department: Austrian Forest Inventory
- Istituto Sperimentale per l'Assestamento Forestale e per l'Alpicoltura, Forest and Range Management Research Institute
- (ISAFI), Trento (Italy)
- Woodland Surveys Unit, Forest Research, Forestry Commission
- Slovenian Forestry Institute, Forest Inventory and Geomatics Department
- Finnish Forest Research Institute (METLA), Vantaa Research Centre, Helsinki Unit
- Centre for Forest, Landscape and Planning (KVL)
- Swedish University of Agricultural Sciences (SLU)
- Forest Research and Management Institute (ICAS), Bucharest, Romania. Biometrics and Forest inventory labs
- Ministry of Agriculture of Latvia, Forest Resources department
- Latvian State Forestry Research Institute (Silava)
- Department of Agriculture and Food, Forest Service, Wexford, (Ireland)

- Forest Research Institute, Zvolen, Department of Forestry Policy, Economics and Forest Management Planning
- Icelandic Forest Research
- Norwegian Institute of Land Inventory (NIJOS), under the Ministry of Agriculture
- Forest Management Institute, Czech Republic, established by the Ministry of Agriculture
- Hungarian State Forest Service, Forest Management and Mapping Department
- Forestry Commission GB, Forest Research. Woodland Surveys Unit
- Institute of Forest Ecosystem Research (IFER), Czech Republic
- Finnish Forest Research Institute (METLA), Joensuu Research Centre

4.3 Meetings of the Management Committee

28-29/6/2004	Brussels, Belgium
9/9/2004	Hørsholm, Denmark
2/12/2004	Florence, Italy

4.4 Meetings of the Working Groups

Workgroup 1:

9.-10/9/2004	Hørsholm, Denmark
21.-22/10/2004	Gembloux, Belgium
2.-3/12/2004	Florence, Italy

Workgroup 2:

9.-10/9/2004	Hørsholm, Denmark
21.-22/10/2004	Gembloux, Belgium
2.-3/12/2004	Florence, Italy

Workgroup 3:

9.-10/9/2004	Hørsholm, Denmark
21.-22/10/2004	Gembloux, Belgium
2.-3/12/2004	Florence, Italy

4.5 Short-term scientific missions

Not organised in 2004.

5. RESULTS

Detailed work plans with timetables were first prepared. All working groups decided to conduct a state-of-the-art study with reports about their subjects, basic inventory concepts, definitions and

practises, carbon reporting as well as biodiversity indicators. The deadline for selecting variables and preparing and submitting the questionnaires was the end of 2004 for all WGs. To facilitate and get resources for practical work, several funding applications were prepared and some training courses and short term scientific missions for year 2005 were planned.

The activities by WGs are as follows.

WG1

In conformance with the MoU and the work plan of the action, WG1 initiated the review of current practises and definitions applied in NFIs in participating countries and their differences from international recommendations. As a first step, a description of the current NFI system has been provided by the experts from 21 European countries. The descriptions cover the inventory cycle, sampling design, estimation technique, use of remote sensing and photographs, main thematic groups of variables, and the involvement of the NFI in international reporting.

As a second step and (a) in order to show the impact of the different inventory systems on the outcome of core forest resource variables, and (b) as a basis for the subsequent task to work actively on harmonisation of these variables at the European level, a task force has been mandated to design a detailed questionnaire on tree and forest definitions, measurement techniques, volume functions and sampling designs used for the estimation of total growing stock of standing living trees and total volume of standing dead trees estimation for the forest land and other wooded lands if possible at the national level. The questionnaire has been approved by WG1 at the Florence meeting.

The for the moment self-restriction to work on these two core variables and the forest land only, is motivated by the importance of these variables for international reporting, the involvement of fundamental definitions and concepts to estimate the variables, and the existence of data to work on in practically all NFIs in Europe.

WG2

Work within WG2 has proceeded as according to the plans. The major issues considered during the first phase of the Action has been to:

- Obtain a common understanding within the WG about the actual reporting requirements as according to the United Nations' Framework Convention of Climate Change and its Kyoto Protocol
- Establish contacts with other relevant programmes within the area. The major collaboration partners identified are people from the CarboInvent project, the Joint Research Centre, and the past COST E21 project.
- Assess the state of the art regarding the reporting of greenhouse gas emissions and removals within the LULUCF sector in the participating countries.

Regarding the last issue, a questionnaire has been prepared and preliminary results have been compiled. The plan is to arrange a short term scientific mission in order to assess the results of the questionnaire more in depth. This STSM is planned to be held beginning of March 2005.

WG3

The list of forest biodiversity indicators were chosen from the CBD (Convention on Biological Diversity) and MCPFE (Ministerial Conference on the Protection of Forests in Europe) indicators. The list includes indicators which are measured or assessed directly or indirectly by the National Forest inventories. A questionnaire based on these indicators will be sent to countries. The purpose of the questionnaire is to get information on forest biodiversity inventorying in order to be able identify similarities and gaps between the different countries.

The table questionnaire has been finalised by the WG3 during the last COST E43 meeting in Florence on December 2004. Suggested corrections and amendments are to be done by the subgroup in the beginning of 2005. An online questionnaire will be set on the COST private page for comments by the other working group WG2 and WG3. Simultaneously, a database will be developed for treatment of the results of the questionnaire.

The subgroup 2 began also to insert the forest type approach in the work of the WG3. The concept of 'forest type' is seen as a means to facilitate the harmonisation of the 'National Forest Inventory' assessment and reporting. The subgroup will be working with 12 main forest types, which will be further sub-divided in accordance to the work done under the BEAR project. The subgroup will submit a list of forest types and maps of eco-regions to WG2.

It was agreed that some testing about potential difficulties during harmonisation will be done until the next meeting. A number of WG members were assigned the task of trying to find out what all countries have in the way of specific variables and highlight potential harmonisation problems to be discussed at the next meeting.

6. DISSEMINATION OF RESULTS

6.1 Publications and Reports

(Give the total number. Detailed list in an annex)

6.2 Conferences and Workshops

(List)

6.3 Web site

The COST E43 web site is hosted by Metla at URL <http://www.metla.fi/eu/cost/e43/>. The site was opened 30 August 2004 and it is maintained by Mr. Kai Mäkisara from Metla. It currently provides public information about the Action's activities and results. It also includes a restricted subtree for internal documents of the Action. The site will be gradually expanded to present the results of the work done and results to be achieved within the Action.

6.4 Scientific and Technical Co-operation

(List briefly co-operation and contacts established with scientific institutions, with other research programmes, especially in the EU framework programme, and with potential users)

6.5 Transfer of results

(List briefly co-operation and contacts established with the Commission, with normalisation and standardisation bodies, with industry and operators)

6.6 Contacts in the ERA

(List the contacts, if any, with other activities in the European Research Area (ERA), e.g. integrated or targeted projects, NoE, EUROCORES, etc.)

7. ECONOMIC DIMENSION

(List estimate of total manpower expressed in person-year dedicated to the activities of the action for each year and the total duration of the action)

(List funds received from the COST budget for each year and for the entire duration of the Action utilised for Secretariat, Publications, Workshops and Seminars, MC meetings, Short-Terms scientific missions, other and Total)

The total manpower by meetings and working groups is as follows.

MC meetings

- 22 days with 22 participants in Brussels
- 5 days with 20 participants in Hørsholm
- 5 days with 19 participants in Florence

SC meetings

- 16 days with 8 participants in Helsinki
- 16 days with 8 participants in Nogent-sur-Vernisson
- 2 days with 8 participants in Florence

In addition, 2 person-days were spent for the preparation of each meeting. In total, 74 person-days were dedicated to MC and SC meetings.

The manpower dedicated to WG meetings and works are.

WG1

- 58 days: WG1-Hørsholm with 29 participants
- 26 days: WG1-Gembloux with 13 participants (task force)
- 42 days: WG1-Florence with 21 participants
- 63 days: WG1-nfi-descriptions from 21 countries
- 12 days: WG1-nfi-presentations from 4 countries
- 4 days: WG1-work plan
- 6 days: WG1-preparation of meetings
- 10 days: WG1-questionnaire drafts
- 10 days: WG1-questionnaire reviews

This implies a total of approximately 1 person-year.

WG2

- 40 days: WG2-Hørsholm with 20 participants
- 10 days: WG2-Gembloux with 5 participants (task force)
- 37 days: WG2-Florence with 19 participants including 3 invited guests
- 13 days: WG2-personal and institutional introduction from 26 active participants
- 20 days: WG2-questionnaire filling from 10 countries
- 4 days: WG2-work plan
- 10 days: WG2-preparation of meetings
- 10 days: WG2-questionnaire drafts
- 8 days: WG2-questionnaire reviews

Together with preparations, this implies a total of 160 days.

WG3

- 46 days: WG3 Hørsholm with 23 participants
- 34 days: WG3 Gembloux with 17 participants
- 34 days: WG3 Florence with 17 participants
- 3 days: WG3-work plan
- 10 days: WG3-preparation of meetings
- 14 days: WG3-questionnaire drafts
- 14 days: WG3 database
- 10 days: WG3-questionnaire reviews

Together with preparations, this implies a total of 160 days.

The estimated total manpower is thus xx person-years.

The funds received from COST budget for 2004 is given by the meetings in the table below. It is also the total COST funding due to the fact that the meetings are the only activities required COST funding so far.

E43	28/06/2004	Brussels (B)	16593	PAID	
	15/07/2004	Helsinki (FIN)	4800	APPROVED	
	09/09/2004	Hørsholm (DK)	53250	APPROVED	
	30/09/2004	Nogent-sur-Vernisson (Paris) (F)	6000	APPROVED	
	21/10/2004	Gembloux (B)	24000	APPROVED	
	05/11/2004	Brussels (B)	1200	APPROVED	
	02/12/2004	Florence (I)	45000	APPROVED	
					150843

8. **SELF EVALUATION** (only in the last annual progress report)

Indicate, in no more than 1 page, what were, in the opinion of the MC, the main successes, the drawbacks (if any) and the key difficulties encountered (if any).

Action Identification Data

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Austria	15/06/2004	Greece	27/06/2004	Poland	
Belgium	24/09/2004	Hungary	07/07/2004	Portugal	
Bulgaria		Iceland	09/11/2004	Romania	11/06/2004
Croatia		Ireland	28/06/2004	Slovakia	28/07/2004
		Israel			
Cyprus	11/06/2004	Italy	15/06/2004	Slovenia	26/08/2004
		Yugoslavia			
		Former Yugoslav Rep.of			
		Macedonia			
Czech Republic	07/07/2004	Latvia	07/07/2004	Spain	13/07/2004
Denmark	10/06/2004	Lithuania	29/07/2004	Sweden	22/05/2004
Estonia	10/06/2004	Luxembourg		Switzerland	24/08/2004
Finland	10/06/2004	Malta		Turkey	
France	10/06/2004	Netherlands	10/06/2004	United Kingdom	10/06/2004
Germany	22/06/2004	Norway	03/09/2004		

Institutes of non-COST countries: MC on 3/12 2004 recommended US Forest Service for TC

Area:

Action Web site: <http://www.metla.fi/eu/cost/e43/index.html>

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Country: Finland

TC Rapporteur: *Title, name, country*

External Evaluator: *Title, name, affiliation, country*

External Evaluator: *Title, name, affiliation, country*

(1) Date of the first MC meeting.

(2) When the report is received by TC Secretariat