DIABOLO Conference - Distributed, Integrated and Harmonised Forest Information for Bioeconomy Outlooks
12 - 14 February 2019 Koli, Nature Centre Ukko, Finland

Tuesday, 12 February 2019 National Forest Inventories towards 2020 in the context of DIABOLO

Lead: Natural Resources Institute Finland (Luke), (Prof. Annika Kangas, Dr. Kari Korhonen, Prof. Tuula Packalen) In partnership with the Ministry for Agriculture and Forestry, Finland

11:00 Bus transport for people joining Joensuu (in front of Sokos Hotel Vaakuna Joensuu, Torikatu 20) 12:00 – 13:30 Lunch available in Sokos Hotel Koli
12:30 Registration in the Nature Centre Ukko (opposite the in Sokos Hotel Koli)
13:30 Opening by Prof. Antti Asikainen, Executive Vice President Research, Natural Resources Institute of Finland (Luke)

Session 1: Use of NFIs in decision making in Finland

13:40 NFI supporting forest-related policy processes in Finland
Speaker: Dr Kari T. Korhonen, Natural Resources Institute Finland (Luke)

14:00 NFI supporting feasibility analysis of investments in forest and energy industry
Speaker: Dr Perttu Anttila, Natural Resources Institute Finland (Luke)

14:20 Changes in occurrence of large and old trees – NFI data from 1921-2013 Speaker:
Speaker: Dr Susanne Suvanto, Natural Resources Institute Finland (Luke)

14:40 The European Forestry Dynamics Model (EFDM) approach to study Land Use – Climate impacts on forest resources
Speaker: Dr Jari Vauhkonen, Natural Resources Institute Finland (Luke)

15:00 Coffee

Session 2: Towards future NFI in Finland

15:30 Visions and tools for future NFI in Finland
Speaker: Prof. Annika Kangas, Natural Resources Institute Finland (Luke)

15:50 Possibilities of terrestrial laser scanning (TLS) to extend NFI measurements
Speaker: Dr Timo Pitkänen, Natural Resources Institute Finland (Luke)

16:10 Local Pivotal Method (LPM) for the Finnish NFI
Speaker Dr Minna Räty, Natural Resources Institute Finland (Luke)

16:30 Discussions

17:00-18:00 NFI-DIABOLO poster cocktails in Luontokeskus

19:30 Dinner in Hotel Koli sponsored by Luke (21:30 Bus transport for people staying in Joensuu)
Wednesday, 13 February 2019 Distributed, Integrated and Harmonised Forest Information for Bioeconomy Outlooks

Lead: DIABOLO Scientific coordinator Prof. Tuula Packalen, DIABOLO Project Manager Markus Lier
In partnership with DIABOLO project, Natural Resources Institute of Finland (Luke)

7:30  Bus transport for people joining from Joensuu (in front Sokos Hotel Vaakuna Joensuu)
8:30  Registration in the Nature Centre Ukko (opposite the in Sokos Hotel Koli)
9:00  Welcoming words
Speaker: Dr Johanna Buchert, President and CEO, Natural Resources Institute of Finland (Luke)

Session 1:  From science to policy: Serving the needs of European policy making

9:15  Demands for and gaps in the provision of forest information for political processes
Speaker: Dr Torgny Lind, Swedish University of Agricultural Sciences, Sweden

9:35  Towards harmonized methods and techniques:
Harmonizing growing stock, biomass and carbon estimation and forest state monitoring based on field and high-resolution remote sensing data
Speaker: Dr Laurent Saint-André, French National Institute for Agricultural Research (INRA), France

9:55  Multi-purpose inventories:
New indicators to estimate biodiversity and conservation status in different forest ecosystems, non-wood products production, stand susceptibility to windstorms, recreational activities, and fires at risk.
Speaker: Dr Iciar Alberdi, the National Institute for Agricultural and Food Research and Technology (INIA), Spain

10:15  Coffee break

Session 2:  Improved monitoring and outlooks

10:45  Insights into impacts of disturbance mapping of European forests:
Major improvements in continuous forest disturbance monitoring enabled by high temporal/spatial resolution of satellite data, calibrated time series, and automatic production process
Speaker: Dr Matthias Dees, Albert-Ludwigs-Universität Freiburg (ALU-FR), Germany

11:05  Wood supply analysis: Trade-offs between biomass supply and other ecosystem services
Speaker: Prof. Tuula Packalen, Natural Resources Institute Finland (Luke)

11:25  Moderated wrap-up of the session: DIABOLO outputs: solutions for challenges
Moderator: Markus Lier, DIABOLO Project Manager, Natural Resources Institute Finland (Luke)

11:45  Group photo
12:00  Lunch in Sokos Hotel
Session 3: A shared roadmap for forest information for European bioeconomy outlooks of the future

13:00  Potential pathways for exploiting DIABOLO outputs  
Speaker: Prof. Tuula Packalen, Natural Resources Institute Finland (Luke)

13:15  Co-design of interlinked DIABOLO paths  
Facilitator: tbc

14:00  Coffee break

14:30  Vision talks: Navigating towards DIABOLO 2.0  
Moderator: Dr Peter Mayer, Director of the Federal Research and Training Centre for Forests,  
Natural Hazards and Landscape (BFW), Austria

15:30  Closing remarks  
Speaker: tbc, European Commission

16:00  Outdoor activity sponsored by the Regional Council of North Karelia and Metsähallitus

19:30  Dinner (21:30 Bus transport for people staying in Joensuu)
Thursday, 14 February 2019

*Exchange of Experiences in Forest Sector Outlook Studies and Related Work*

**Lead:** UNECE Team of Specialists on the Forest Sector Outlook

9:00 – 9:15  Welcome by the Ministry of Agriculture and Forestry and UNECE/FAO

**Session 1: National outlook modelling**

9:15 – 9:35  Finland: Forest sector outlook work + Q&A (Ms Marja Kokkonen)

9:35 – 10:00  Germany: Scenario case studies on changing wood supply and on bioeconomy pathways + Q&A (Dr. Holger Weimar)

10:00 – 10:10  Possibilities of EFDM in national wood supply modelling (DIABOLO; Prof. Tuula Packalen)

10:10 – 10:40  Coffee Break

**Session 2: International research**

10:40 – 11:00  International Institute for Applied Systems Analysis (Dr. Nicklas Forsell)

11:00 – 11:20  European Forest Institute (Dr. Hans Verkerk)

11:20 – 11:40  Joint Research Centre (Dr. Ragnar Jonsson)

11:40 – 12:00  FORMASAM project (Dr. Mart-Jan Schelhaas)

12:00 – 12:20  Joint Q&A and discussion

12:20 – 13:20  Lunch Break

**Session 3: Scenario modelling for the next FSOS followed by discussion**

13:20 – 13:30  Background presentation FSOS (UNECE/FAO Forestry and Timber Section)

13:30 – 14:00  Scenario modelling for the next FSOS (Dr. Prakash Nepal)

14:00 – 15:00  Feedback Session and discussion

15:00 – 15:30  Coffee Break

15:30 – 17:00  Feedback Session and discussion continued

*(including future needs and activities for capacity building)*

*(Please note: Bus departures at 15:45 to Joensuu airport to catch the flight at 17.35 hrs.)*
Friday, 15 February 2019

**Meeting of the UNECE Team of Specialists on the Forest Sector Outlook**

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<tr>
<th>Time</th>
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<tr>
<td>9:00</td>
<td>Meeting</td>
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<td>12:00</td>
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<td>13:00</td>
<td>Meeting continues</td>
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<td>15:30</td>
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Bus departures to Joensuu airport to catch the flight at 17.35 hrs.