

**European Forestry Commission  
Working Party on the Management of Mountain Watersheds**



**30<sup>th</sup> session**

***Mountain Watersheds and Ecosystem Services:  
Balancing multiple demands of forest management in head-watersheds  
and  
Stakeholder Training Dialogue with Experts from the Alpine Convention***

**22-24 September 2015, Pieve Tesino, Italy**

Ecosystem services comprise supporting, provisioning, regulating and cultural services and forests contribute to all these categories. The services provided by forests in head watersheds range, among others, from erosion control, clean water to biodiversity and recreation. These multiple roles and the high sensitivity of head watersheds to environmental and socioeconomic changes encompass the need of balancing the different demands on forests by sustainable forest management. A shared understanding of how watershed management activities contribute to mitigate adverse impacts of these changes, as well as a sustainable use of the ecosystem services provided by forests is required.

In this session the Working Party on the Management of Mountain Watersheds wants to highlight the importance of these services, and show best practice examples on how to balance this provision and use.



Food and Agriculture Organization  
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## PROGRAMME

### **21 September**

Arrival of the participants

### **22 September** (technical session)

8.30 – 9.00 Registration of the participants

9.00 – 9.30 Opening of the 30<sup>th</sup> Session of the European Forestry Commission Working Party on the Management of Mountain Watersheds

Welcome addresses:

- Giuseppe Scarascia Mugnozza, Director of Department of Innovation of Biological Systems, Food and Forestry (University of Tuscia), on behalf of the organisers
- Alessandro Ruggieri, Rector of University of Tuscia, on behalf of the hosting institution
- Chiara Avanzo, President of the Council of the Region Trentino-Südtirol, on behalf of the regional government
- Romano Masè, Director of Department for Territory, Agriculture, Environment and Forestry (Autonomous Province of Trento), on behalf of the local authorities
- Roberto Viola, Director of Research and Innovation Centre (FEM-CRI, San Michele all'Adige), on behalf of the Edmund Mach Foundation
- Gernot Fiebiger, Fiebiger Consulting (Austria), on behalf of IUFRO
- Olivier Marco, Head of the Technical Department – RTM actions (Office National des Forêts, France), on behalf of the Working Party

9.30 – 10.00 Introducing the European Forestry Commission Working Party on the Management of Mountain Watersheds, Thomas Hofer (FAO)

10.00 – 10.30 Coffee break and poster viewing

10.30 -12.30 Scientific seminar: Balancing multiple demands of forest management in head-watersheds - part 1 – Roberto Tognetti (moderator), Coordinator of Project Centre on Mountain Forests (MOUNTFOR)

- Marika Ferrari and Roberto Coali, Department for Territory, Agriculture, Environment and Forestry, Mountain Watersheds, Autonomous Province of Trento (Italy)
- Marco Ciolli and Maria Giulia Cantiani, Department of Civil, Mechanical and Environmental Engineering, University of Trento (Italy)
- Francesco Comiti, Faculty of Science and Technology, Free University of Bozen-Bolzano (Italy)
- Edoardo Costantini, Agrobiology and Pedology Research Centre - CRA (Italy)

12.30 – 13.30 Lunch

13.30 – 15.30 Scientific seminar: Balancing multiple demands of forest management in head-watersheds- part 2 – Josef Krecek (moderator), Czech Technical University in Prague (Czech Republic), Department of Hydraulics and Hydrology (FSV)

- Antonio del Campo García, Department of Hydraulic Engineering and Environment, Polytechnic University of Valencia (Spain)
- Roy Sidle, Sustainability Research Centre, University of the Sunshine Coast (Australia)

- Aronne Armanini, University Centre for Advanced Studies on Hydrogeological Risk in Mountain Areas, University of Trento (Italy)
- Hans Schreier, Institute for Resources, Environment and Sustainability, University of British Columbia (Canada)

15.30 – 16.00 Coffee break and poster viewing

16.00 - 19.00 Panel discussion and Expert and Stakeholder Training Dialogue on “Balancing multiple demands of forest management in head-watersheds”

16:00 – 17:00 Panel discussion

Bernhard Wolfslehner (moderator), European Forest Institute, Central-East European Regional Office (EFICEEC)

- Thomas Hofer, Food and Agriculture Organization of the United Nations (FAO)
- Paolo Angelini, Italian Ministry of Environment, Sea and Land Protection (Alpine Convention)
- Ekrem Yazici, Forestry and Timber Section (UNECE/FAO)
- Hans Schreier, Institute for Resources, Environment and Sustainability, University of British Columbia (Canada)

17:00 – 18:30 Expert and Stakeholder Training Dialogue

Hans Schreier, University of British Columbia (moderator)

### **Thematic topic 1: Forest, Water, Natural Hazard**

The stakeholder table will explore the practical interaction, risks and benefits that may derive to water and water management as a result of different forest management approaches. Stakeholders will be informed about the opportunities brought about by advanced forestry techniques to water quality, availability and management.

Moderator: Antonio Ballarin Denti, Department of Mathematics and Physics, Catholic University of Brescia (Italy)

Discussant1: Maria Patek, President of the “Natural Hazard” Platform of the Alpine Convention (Austria)

Discussant2: Speaker to be confirmed

### **Thematic topic 2: Protective forests**

The stakeholder table will explore the protective forest function and analyse the implications of protective forests over different uses in particular: conservation, management, slope safety, protection of settlements and buildings, landscape, etc.

Moderator: Giuseppe Scarascia Mugnozza, University of Tuscia (Italy)

Discussant1: Emanuele Lingua, Department of Land, Environment, Agriculture and Forestry, University of Padova (Italy)

Discussant 2: Benjamin Lange, Federal Office for the Environment (Switzerland)

### **Thematic topic 3: Forests and green economy**

Based on UNECE Action Plan on F & GE the table will discuss the supply of marketed and un-marketed forest goods and services, the creation of revenue and livelihoods, the additional opportunities for growth and employment in the forest sector fostered by a GE, climate change, economic and climate-relevant forest ESs, common benefits of the forestry and other sectors

Moderator: Davide Pettenella, Department of Land, Environment, Agriculture and Forestry, University of Padova (Italy)

Discussant 1: Hubert Siegel, Federal Ministry of Agriculture and Forestry, Environment and Water Management (Austria)

Discussant 2: Luca Cetara, European Academy of Bolzano - EURAC (Italy)

18:30 Plenary session and Conclusion

20.30 Social dinner

### **23 September** (field excursion)

8:30 – 17:30 The Maso Watershed – Autonomous Province of Trento

### **24 September** (business session)

08:30 – 09:30

- Working Group 1 “Forests and Water”
- Working Group 2 “Hazards and Disaster Risk Management in Mountains”

09:30 – 10.30 National reports

- Italy
- France
- Poland
- Czech Republic
- Austria
- Switzerland
- Finland

10:30 – 11:30 Coffee break and poster viewing

11:30 – 13:00 Observer reports

Current State of Research and Mitigation Strategy on Large Scale Landslide Disasters in Mountain Watersheds, Prof. Hideaki Marui (Niigata University, Japan)

Observer report of the Alpine Convention, Simona Vrevc (Alpine Convention), and Francesco Dellagiacomma (Working Group Mountain Forests of the Alpine Convention)

Observer report of the FAO Subregional Office for Central Asia, Cholpon Alibakieva

13:00 – 14:00 Lunch and group photo

14:00 – 14:30 Keynote by Mia Suominen, Business Area Director, Vapo Ventures (Finland)

Water conservation business arising from company’s responsibility

14:30 – 15:00 Coffee break and poster viewing

15:00 – 18:00 Report of the secretariat and discussion on road map for the next biennium

- Communication (Homepage, Newsletter)
- Participation of member countries and partners

- Way forward of the Working Groups (potential topics, collaborations, projects, etc.)
- Date and place of 31<sup>st</sup> session

18:00 Closing of the 30<sup>th</sup> session

18.00 – 19.30 Visit of the Arboreto del Tesino – Giardinod'Europa (facultative)

## **25 September**

Departure of the participants