



Towards climate-smart Alpine forests

Milan, 30 September, 2021

Programme

Section 1 - Opening

Welcome address – by **John Douglas Stewart**, Institutional and Public Relations, JSC Mountain

Opening speech – by **Catriona Graham**, British Consul General in Milan and Director Department for International Trade, Italy

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Part 1

Moderated by **Giorgio Vacchiano**, University of Milan, Italy

Section 2 – Scene setting: Growing resilient and climate-smart Alpine forests

Introduction Part 1: *The new EU Forest Strategy for 2030 and its relevance for Alpine forests* – by **Marco Onida**, Team Leader Forests, ENV.D1 - Land Use & Management, DG Environment, European Commission, Brussels

1. *Scene Setting: Climate Change in Mountainous Areas* – by **Mathias Rotach**, University of Innsbruck, Austria
2. *Mountain forests in a rapidly changing world – should we worry?* – by **Harald Bugmann**, ETH Zürich, Switzerland

Section 3 - Resilience to natural disturbances and mountain forest management

3. *Silviculture for resilience in mountain environments* – by **Kurt Ziegner**, Land Tirol, Austria
4. *Natural reproduction and afforestation - Forest reproductive material* – by **Christian Annenwarter**, Land Tirol, Austria

Section 4 - Soils and erosion in mountain watersheds

5. *Mountain soils and their importance for ecosystem services* – by **Colin Campbell**, James Hutton Institute, UK
6. *Vulnerability of mountain soils to climate change and disturbances* – by **Frank Hagedorn**, WSL Birmensdorf, Switzerland



7. *Towards sustainable management of forests and their soils* – by **Borut Vrščaj**, KIS Lubiana, Slovenia

Section 5 - Forest pests

8. *Drought and bark beetles* – by **Sigrid Netherer**, BOKU Vienna, Austria
9. *Diapause and voltinism in the spruce bark beetle 'Ips typographus'* – by **Martin Schebeck**, BOKU Vienna, Austria
10. *The role of bacteria and fungi in the population dynamics of the European spruce bark beetle* – by **Hannes Schuler**, Freie Universität Bozen, Italy

Section 6 - Q&A – Part 1

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Part 2

Moderated by **Mathias Rotach**, University of Innsbruck, Austria

Section 7 – Sustaining Ecosystem services in mountain watersheds

Introduction Part 2: The contribution of the forest sector to climate change mitigation: challenges and trade-offs – by **Giacomo Grassi**, Joint Research Centre, European Commission, Brussels

11. *Regole d'Ampezzo collective property woodlands* – by **Michele Da Pozzo**, Regole d'Ampezzo, Ampezzo Dolomites Natural Park, Italy
12. *Managing for complexity: sustaining Ecosystem services in a context of climate change* – by **Emanuele Lingua**, University of Padua, Italy
13. *Managing conservation conflicts: a vital component to tackle the climate crisis* – by **Chris Pollard**, Forest Research, UK
14. *Building resilient mountains and mountain food systems* – by **Rosalaura Romeo**, Mountain Partnership Secretariat, FAO
15. *Risk to mountain forest Ecosystem services due to natural disturbances* – by **Ana Stritih**, ETH Zürich, Switzerland
16. *Wrap up - Policy framework and sustaining of Ecosystem services* – by **Giorgio Vacchiano**, University of Milan, Italy

Section 8 - Potential of digitalization for sustaining ecosystems services

17. *Remote detection of spruce bark beetle infestations in the Italian Alps* – by **Aurora Bozzini**, University of Padua, Italy



18. *Opportunities and limits of Unmanned Aerial Systems (“Drones”) for Environmental Monitoring* – by **Gernot Paulus**, FH Kärnten, Austria
19. *The Copernicus EMS Rapid Mapping Service in support to the “Vaia” storm* – by **Lucia Luzietti**, e-Geos, Italy
20. *How artificial intelligence and big data platforms can deliver new end-user services for forest management* – by **Laurent Clergue**, Atos, France

Section 9 - Q&A – Part 2

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