International Scientific Conference

A century of forest knowledge – education, innovations, challenges

(CENFORKNOW 2025)

dedicated to the 100th anniversary of Higher Forestry Education in Bulgaria

SOFIA, 08-09 May 2025, park-hotel Moskva, Nezabravka Str. 25

CONFERENCE PROGRAMME

THURSDAY, 08 May 2025

8:00-9:30	**Registration, Hanging of Posters & Morning Coffee**	
9.30	**CONFERENCE OPENING** **"Moskva" Hall**	
9:30-10:15	**Greetings**	
10:15-10:45	Invited Speaker **Prof. Tsvetan Zlatanov**	**Distribution and structural diversity of old-growth forests in Bulgaria**
10:45-12:00	**Climate Change** Session **Hall "Evropa"**	
12:00-13:00	**LUNCH BREAK**	
13-14:15	**Ecosystem biodiversity, conservation and environmental restoration** /Part 1/ **Hall "Evropa"**	**Agriculture in mountainous and semi-mountainous regions** Session **Hall "Conference 5"**
14:15-14:30	COFFEE BREAK	
14:30-15:45	**POSTER SESSION 1 - Foaier and "Conference 1" Hall**	
16:00-17:30	**Ecosystem biodiversity, conservation and environmental restoration** /Part 2/ **Hall "Evropa"**	**Silviculture, forest management and ecosystem services** Session **Hall "Conference 5"**
17:30-20:00	**Ice Breaker, "Moskva" Restaurant**	

FRIDAY, 09 May 2025

8.20	**Opening of Second Day**	
8:30-9:00	Invited Speaker **Dr. Michaela Teich**	**Avalanche Protective Forests: What Do We Know and Where Do We Grow from Here?**
9:00-9:30	Invited Speaker **Prof. Dzhamal Amishev**	**Developments in Forest Operations on Steep and Challenging Terrain**
9:30-10:00	**Forest disturbances and management challenges** Session /part 1/ **Hall "Evropa"**	

10:00-10:15	COFFEE BREAK

10.15-12:00	**Forest disturbances and management challenges** Session /part 2/ **Hall "Evropa"**	**Wildlife conservation and management** Session **Hall "Conference 5"**

12:00-13:00	**LUNCH BREAK**

13:00-13:30	**Forest disturbances and management challenges** Session /part 3/ **Hall "Evropa"**	**Wildlife conservation and management** Session /part 2/ **Hall "Conference 5"**

13:30 -15:00	**POSTER SESSION 2 & COFFEE BREAK**

15:00-15:30	**CONFERENCE Closing, "Moskva" hall**

19:00-22:30	**OFFICIAL DINNER "Panorama"** **Restaurant**

DETAILED PROGRAMME

Thursday, 08 May 2025

8:00-9:30	**Registration, Hanging of Posters & Morning Coffee**

9.30	**CONFERENCE OPENING** **Hall "Evropa"**
9:30-10:15	**Greetings:** The Minister of Education of Republic of Bulgaria Mr. Krasimir Valchev The Rector of the University of Forestry Assoc. Prof. Hristo Mihaylov The Dean of the Forestry Faculty of the University of Forestry Assoc. Prof. Stoyan Stoyanov
10:15-10:45	**Invited Speaker Prof. Tsvetan Zlatanov** — **Distribution and structural diversity of old-growth forests in Bulgaria**

10:45-12:00	**Climate Change** Session Session Chairs - Tsvetan Zlatanov Momchil Panayotov **Hall "Evropa"**	
10:45-11:00	Jakob Pavlin	Adapting to Warmer Conditions: Thermophilic Forests as References for Future Temperate Forests of Europe
11:00-11:15	Ionel Popa	Oak species resilience to drought in South-Eastern Romania
11:15-11:30	Tsveta Davidkova	The concept of “analogue climate” - geographical transfer to adapt to temporal changes of climatic conditions

12:00-13:00	LUNCH BREAK

13-14:15	**Ecosystem biodiversity, conservation and environmental restoration** Session /Part 1/ Session Chairs - Petar Zhelev and Kiril Vassilev **Hall "Evropa"**	
13-13:15	Petar Zhelev	Current Status and Future Prospects of Coniferous Seed Orchards in Bulgaria
13:15-13:30	Berthold Heinze	Bulgarian *Populus tremula*: a genetic evaluation based on chloroplast DNA
13:30-13:45	Kiril Vassilev	Subalpine willow shrublands of Vitosha mountain
13:45-14:00	Necmi Aksoy	*Phoenix × golkoyana* comb. et stat. nov., a new combination of natural hybrid palm of *Phoenix dactylifera* and *P. theophrasti* in Southwestern Anatolia of Türkiye
14:00-14:15	Necmi Aksoy	Taxonomic and chorological evidence for the occurrence of ancient date palm (*Phoenix dactylifera* L.) in the flora of Türkiye

13-14:15	**Agriculture in mountainous and semi-mountainous regions** Session Session Chairs - Rumen Tomov **Hall "Conference 5"**	
13-13:15	Rumen Tomov	The Carob moth, *Apomyelois ceratoniae* (Zeller, 1839) (Lepidoptera: Pyralidae), a new pest of common walnut in Bulgaria
13:15-13:30	Milena Yordanova	Evaluation of different substrates for growing microgreens from *Brassicaceae* family
13:30-13:45	Elitsa Blagoeva	Productivity and oil content of *Thyme* sp., cultivated in the Eastern Rhodopes, Bulgaria
13:45-14:00	Iliyan Zhelyazkov	Weed monitoring in three sub-mountainous regions in Southern Bulgaria

14:15-14:30	COFFEE BREAK

14:30-15:45	**POSTER SESSION 1 - Foaier and "Conference 1" Hall**

16:00-17:30	**Ecosystem biodiversity, conservation and environmental restoration** Session /Part 2/ Hall “Evropa” Session Chairs - Petar Zhelev and Kiril Vassilev	
16:00-16:15	Kiril Vassilev	High rank syntaxa of riparian shrubland and forest vegetation in Bulgaria
16:15-16:30	Toshko Ljubomirov	Faunistic and ecological studies on ants (*Formicidae*) and other Hymenoptera from forest ecosystems in the Berkovski Balkan region
16:30-16:45	Iva Fikova	Waterholes in Hunting Grounds – Artificial Oases for Amphibian Survival in two Natura 2000 Sites of Ludogorie region in Northeastern Bulgaria.
16:45-17:00	Silvena Boteva	Spatial dynamics of soil bacterial community-level physiological profiles from two spruce forests
17:00-17:15	Dimitar Kasabdanchev	Analysis of the maternity period of the black summer (Burgundy) truffle (*Tuber aestivum*) in the area of Northeastern Bulgaria
17:15-17:30	Teodora Markova	Classification of the forest vegetation of Plana Mt.

16:00-17:30	**Silviculture, forest management and ecosystem services** Session Session Chair - Georgi Kostov and Petia Nikolova **Hall "Conference 5"**	
16:00-16:15	Petia Nikolova	Combining Aerial and Terrestrial Methods to Assess Regeneration Success in Mountain Forest Stands
16:15-16:30	Guenther Bronner	Forest monitoring by the means of aerial and terrestrial laser-scanning
16:30-16:45	Srdjan Keren	The shapes of diameter distributions on small-spatial scales up to one hectare from selected Polish and Bosnian old-growth forests
16:45-17:00	Ibrahim Osewe	Local Community Perceptions on Ecosystem Services Utilisation - Implications for Sustainable Management of Kakamega Tropical Rainforest Forest
17:00-17:15	Konstantin Kolev	Descriptive Analysis of Forestry Competitiveness in Some European Union Member States

17:30-20:00	**Ice Breaker, Moskva Restaurant**

FRIDAY, 09 May 2025

8.20	**Opening of Second Day** **Forest disturbances and management challenges** Session /part 1/ Session Chairs - Momchil Panayotov and Michaela Teich **Hall "Evropa"**	
8:30:00-9:00	Invited Speaker **Dr. Michaela Teich**	**Avalanche Protective Forests: What Do We Know and Where Do We Grow from Here?**
9:00-9:30	Invited Speaker **Prof. Dzhamal Amishev**	**Developments in Forest Operations on Steep and Challenging Terrain**
9:30-9:45	Momchil Panayotov	Reconstructing avalanche history in the Pirin Mountains, Bulgaria by tree-ring analysis of *Pinus peuce* and *Pinus heldreichii* trees.
9:45-10:00	Kalin Markov	Avalanche hazard mapping using the avalanche terrain exposure scale (ATES) in Pirin Mountain, Bulgaria

10:00-10:15	COFFEE BREAK

10.15	**Forest disturbances and management challenges** Session /part 2/ Session Chairs - Momchil Panayotov and Michaela Teich **Hall "Evropa"**	
10:15-10:30	Matteo Cerioni	The amount of mature forests surrounding severely disturbed patches positively affects their recovery in temperate Europe
10:30-10:45	Vassil Vassilev	Remote Sensing for Wildland Fuel Mapping: Review of Technology, Classification Methods and Applications
10:45-11:00	Veselina Gospodinova & Denica Gelyazkova	A methodology to estimate forest fire burned area and burn severity degrees using Sentinel - 2 data
11:00-11:15	Nadya Tsvetkova	Study on the spatial relationships between photovoltaic power plants and wildland fires in Bulgaria
11:15-11:30	Ivona Nikolchova	Multicriteria analysis and GIS modelling for effective forest management to minimize risk from forest fires in Stara Zagora
11:30-11:45	Ivona Nikolchova	Natural regeneration of post- fire forest areas in Stara Zagora RDF.
11:45-12:00	Momchil Panayotov	Regeneration after two severe wildfires in subalpine forests in Bulgaria.

10.15	**Wildlife conservation and management** Session Session Chairs - Stoyan Stoyanov and Vukan Lavadinovic **Hall "Conference 5"**	
10:15-10:30	Stoyan Stoyanov	Wild cat population density in forest habitats estimated by random encounter model
10:30-10:45	Vukan Lavadinović	Application of locally manufactured GPS tracking technology in wildlife reintroduction in Serbia
10:45-11:00	Dejan Beuković	The occurrence of two heavy metals, Cadmium and Lead, in the liver and kidneys of roe deer at several locations in Central Serbia
11:00-11:15	Hristo Lukanov	Colorimetric analysis of eggshell color variations in the common pheasant (*Phasianus colchicus* Linnaeus, 1758)
11:15-11:30	Zoran Popović	Management of Roe Deer (*Capreolus capreolus* L.) Populations in Different Regions of Central Serbia
11:30-11:45	Ovidiu Ionescu	Sustainable management of large carnivores: A case study of Romania

11:45-12:00	Darius Hardalau	Assessing ungulate dynamics in Baltics, Central and Eastern Europe and their impact on key lowland forest ecosystems

12:00-13:00	LUNCH BREAK

13:00-13:30	**Forest disturbances and management challenges** Session /part 3/ Session Chairs - Momchil Panayotov and Michaela Teich **Hall "Evropa"**	
13:00-13:15	Thomas Nagel	Long-term biomass dynamics in temperate old-growth forests of Slovenia
13:15-13:30	Plamen Glogov	Influence of European mistletoe (*Viscum album* L.) on the defoliation of the crowns of *Populus* host trees
13:30-13:45	Marieta Nesheva	Diversity of wild apple genetic resources in the Central Balkan Mountain region of Bulgaria

13:00-13:30	**Wildlife conservation and management** Session /part 2/ Session Chairs - Stoyan Stoyanov and Vukan Lavadinovic **Hall "Conference 5"**	
13:00-13:15	Polya Avramova	Accumulation of heavy metals in organs of representatives of the Cervidae family
13:15-13:30	Nikol Pashalieva	Accumulation of heavy metals in organs and meat of wild boar (*Sus scrofa* L.) and European brown hare (*Lepus europaeus* L.)

13:30 - 15:00	**POSTER SESSION 2 & COFFEE BREAK**

15:00-15:30	**CONFERENCE Closing**

19:00-22:30	**OFFICIAL DINNER**