



CONFERENCE PROGRAM

MONDAY, 18TH SEPTEMBER

- 17⁰⁰ – 19⁰⁰ **Registration** (Reception Desk)
19⁰⁰ **Dinner** (individual)

TUESDAY, 19TH SEPTEMBER

- 9⁰⁰ – 12⁰⁰ **Registration** (Reception Desk)
12⁰⁰ – 13⁰⁰ **Lunch break**
13⁰⁰ **Conference Opening** (Pavol Nejedlík)
13¹⁵ – 14¹⁵ **Invited presentations** (Conference hall)
 Convener: Pavol Nejedlík

Ali Nadir Arslan: MONIMET Webcam network, database and toolbox for monitoring phenology and snow cover

Yuei-An Liou: Environmental remote sensing and GIS for land surfaces

- 14¹⁵ -14³⁰ **Coffee break** (Corridor)
14³⁰-15³⁰ **Invited presentations** – continuation (Conference hall)

Sandor Szalai: Snow grid data in Carpathian region

Milan Lapin: Methods of snow cover scenarios design for Slovakia in 1951-2100

- 15³⁰-16⁰⁰ **Coffee break** (Corridor)
16⁰⁰-18⁰⁰ **First conference session** (Conference hall)
 Convener: Pavol Šťastný
 Rapporteur: Lenka Hájková

Bogdan Bochenek: The role of snow cover in hydrological forecasting – the example from Poland

Monika Pajek: Snow satellite products - preliminary comparison and verification - climatological approach.

Zuhal Akyurek: How well cosmic ray probes measure the wide area snow water equivalent?

Arda Sorman: Measuring snow components with new methods and validation using satellite images in Turkey

Marek Biskupič: A decade of automatic snow measurements and observations within mountain regions of Slovakia

Pavol Nejedlík: Snow maps for Climate atlas of Slovakia

Juraj Pauk: Interactive Snow maps in the territory of Slovakia

Jozef Pecho: Snow cover trends and climate change scenarios in mountainous regions of Slovakia in 1951-2100

Pavla Dagsson-Waldhauserová: Snow-dust storm: a case study from Iceland

David Pulido-Velázquez: Simulation of impact of potential future climate change scenarios on snow cover area in Sierra Nevada by using a cellular automata model

19⁰⁰ **Dinner** (individual)

20⁰⁰ **Ice breaker cocktail** (Restaurant/Terrace)

WEDNESDAY 20TH SEPTEMBER

10⁰⁰-10³⁰ **Coffee break** (Corridor)

10³⁰-12³⁰ **Second conference session** (Conference hall)

Convener: Ladislav Holko

Rapporteur: Mária Derková

Anna Seres: Determining the date and frequency of avalanches using dendrochronology and the extent of the runout zone based on remote sensing imagery at Ursus Hole, Cascade Mountain, Canada

Peter Fabo: Contribution to unconventional monitoring methods of selected environmental parameters – precipitation and snow

Michal Danko: Spatial distribution of snow cover in the Alpine catchment

Ladislav Holko: Variability of new snow density in the highest part of the Carpathians over the last decades

Patrik Sleziak: Multi-variable calibration of a conceptual Rainfall-runoff model in the selected Alpine catchment

Lenka Hájková: Influence of snow cover field crop's development

*Bernard Šiška: Influence of snow cover and winter air temperature on flowering of European Hazel (*Corylus avellana* L.) in Northern Carpatians.*

Jiří Nekovář: The Impact of snow quality on winter crop yields

12³⁰- 13⁴⁵ **Lunch break**

13⁴⁵-18³⁰ **Excursion**

19³⁰ **Social dinner** (Castle restaurant)

THURSDAY 21ST SEPTEMBER

8³⁰ – 10⁰⁰ **Poster Session** (Corridor)

Rapporteur: Jozef Pecho

Jaroslav Střeščík: The decrease of snow cover due to the global warming and its consequences

Luboš Tůrkott: Temporal evolution of snow cover and the urban heat island in Prague

Vera Potopová: Impact of meteorological drought on streamflow drought using standardized indices in the trans-boundary Prut river basin

Vera Potopová: The link between snow cover characteristics and drought propagation processes

Daniela Kyselová: Snow as potential flood threat

Lenka Hájková: Evaluation of soil temperature in long-term series

Martin Možný: Influence of snow cover on soil moisture and frost dynamics in winter of 2016-2017 in Czech Republic

Markéta Wimmerová: The importance of the snow cover consideration within water balance and crops growth modeling

Dáša Richterová: Winter severity and snowiness and their multiannual variability in the Karkonosze Mountains and Jizera Mountains

*Zora Snopková: Snow cover and its influence on the beginning of flowering of snowdrop (*Galanus nivalis* L.) at the international phenological station (GPM) in Banská Bystrica over the period from 2003 to 2017*

Leena Leppänen: Growth of forest floor vegetation observed from snow depth measurements in Sodankylä, Finland

Hana Středová: Erosion potential of snow cover in the Czech Republic

Svetlana Bičárová: Snow cover and vegetation period in alpine zone of the High Tatra Mts.

Katarína Mikulová: Meteorological conditions preceding the burial of the Rybô village by the avalanche on 6th February 1924

Agnieszka Hejduk: Snow cover and hydrological conditions in case of lowland catchment, central Poland

Anna Buchholcerová: Surface ozone concentrations over the snow cover.

10⁰⁰ – 10³⁰ **Conference Summary** (Bernard Šiška)

10³⁰ – 11⁰⁰ **Coffee Break** (Corridor)

11⁰⁰ **End of the conference**