

# Conference Programme

## Tuesday 10<sup>th</sup> September 2019

17.00

### Accommodation

Harmony Club Hotel, [www.harmonyclub.cz](http://www.harmonyclub.cz)

*This night is not included in the conference fee. You will pay individually in the hotel reception. If you want to book accommodation for this night, please contact us.*

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## Wednesday 11<sup>th</sup> September 2019

7.30–12.00

### Registration/Accommodation

9.00–10.00

Little snack for incoming participants (coffee break)

10.00–10.30

**Conference opening** (welcome and opening speeches)

Moderator: Ladislav Miko (European Commission, Brussels)

11.00–12.30

### INTRODUCTORY PLENARY SESSION

to the theme:

***Pinus mugo* (Mountain Pine) and its role across the European mountains**

(three requested key speeches)

Chair: *Ladislav Miko*

- 11.00–11.30 | *Jan Štursa:*  
Growth strategy of *Pinus mugo*
- 11.30–12.00 | *Jozef Šibík:*  
Plant communities dominated by *Pinus mugo* s. l. from a European perspective
- 12.00–12.30 | *Wojciech Pusz:*  
The overview of health problems of *Pinus mugo* in the High Sudetes
- 13.00–14.00 | Lunch

### **1<sup>st</sup> PLENARY SESSION**

- 14.15–15.00 | **Research, management and protection of Mountain Pine shrubs in the High Sudetes**  
Chair: *Jan Štursa*
- 14.15–14.30 | *Josef Harčarik, Lubomír Jiříšně:*  
Planting management of *Pinus mugo* in the Krkonoše Mts.
- 14.30–14.45 | *Miroslav Zeidler:*  
Giant trouble with dwarf pine at eastern High Sudetes

### **2<sup>nd</sup> PLENARY SESSION**

- 15.00–15.30 | **Geodiversity of the Krkonoše Mts. and the High Sudetes (geology, geomorphology, pedology, paleoecology)**  
Chair: *Piotr Migoń*
- 15.00–15.15 | *Marek Kasprzak, Andrzej Traczyk, Krzysztof Migala, Krzysztof Krakowski, Petr Tábořík:*  
Low temperatures of ground in the Karkonosze / Krkonoše Mts.
- 15.15–15.30 | *Marek Křížek, David Krause, Tomáš Uxa, Zbyněk Engel:*  
Distribution and <sup>10</sup>Be exposure age of patterned ground/sorted polygons above the alpine timberline in the Krkonoše Mts.
- 15.30–16.00 | Coffe break

### **3<sup>rd</sup> PLENARY SESSION**

16.00–16.30

**Snow, water, avalanches and abiotic factors  
in the Krkonoše and the High Sudetes Tundra**

Chair: *Martin Erlebach*

16.00–16.15

*Michal Janouch:*

Monitoring of ultraviolet radiation in the Krkonoše  
Mountains (2004–2019)

16.15–16.30

*Jakub Hruška, Vladimír Majer:*

Recovery of surface waters from acidification between  
1980's and 2018

17.00–18.00

Poster session

19.00

Dinner and evening free program

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## **Thursday 12<sup>th</sup> September 2019**

7.00–8.30

Breakfast

### **4<sup>th</sup> PLENARY SESSION**

8.30–9.45

**Forests and forest management in the High Sudetes**

Chair: *Andrzej Raj*

8.30–8.45

*Jindřich Chlapek:*

Management of mountain spruce forest and subalpine  
habitats in Jeseníky Mts. – under pressure of local interests  
and scientific findings

8.45–9.00

*Radek Plch, Vilém Pechanec, Emil Cienciala,  
Václav Jansa, Karel Pulkrab, Pavel Cudlín:*

The prediction of forest development in the Krkonoše  
Mountains National Park

9.00–9.15

*Małgorzata Danek:*

Growth of European larch (*Larix decidua* Mill.) in northern  
part of Karkonosze and its relation to climate and climate  
change – comparative study

- 9.15–9.30 | *Michal Prouza:*  
Current health status of ash stands and spatial distribution of resistant ash with focus on Ash dieback (*Hymenoscyphus fraxineus*) in KRNAP
- 9.30–9.45 | *Jiří Rozsypálek:*  
The principles of the effectivity of tree microinjection as a method of individual tree protection against the important fungal pathogen of ashes
- 9.45–10.00 | *Jan Komárek, Tomáš Klouček, Peter Surový, Karel Hrach, Přemysl Janata, Bedřich Vašíček:*  
Close-range Remote Sensing towards precise detection of bark beetles infestation: The potential of Unmanned Aerial Systems for early intervention
- 10.00–10.45 | Coffee break

### **5<sup>th</sup> PLENARY SESSION**

- 10.45 | **Fauna of the High Sudetes**  
Chair: *To be completed*
- 10.45–11.00 | *Jiří Flousek:*  
How are the birds in the Giant Mts?
- 11.00–11.15 | *Miroslav Martiš:*  
Ground beetles (Col., Carabidae) of the ridges and glacier valleys of the Krkonoše Mts.
- 11.15–11.30 | *Konrad Wiśniewski, Oleg Aleksandrowicz:*  
Ground beetles (Coleoptera: Carabidae) of mires in the Karkonosze and Izera Mountains
- 12.30–13.30 | Lunch

### **6<sup>th</sup> PLENARY SESSION**

- 13.45–15.00 | **Flora of the High Sudetes**  
Chair: *Michael Hošek*
- 13.45–14.00 | *Marek Malicki, Lidia Przewoźnik, Bronisław Wojtuń, Ludwik Żołnierz:*  
Population status of selected rare and endangered alpine

- plant species of the Krkonoše/Karkonosze Mts.: preliminary results of the field monitoring of some vascular plants
- 14.00–14.15 *František Krahulec:*  
Residual sexuality of facultatively apomictic plants: the case of *Pilosella* (*Hieracium* subgen. *Pilosella*)
- 14.15–14.30 *Adam Rajszy, Bronisław Wojtuń:*  
Nitrogen assimilation abilities of vascular plants from different high-mountain habitats of the Karkonosze mountains
- 14.30–14.45 *Lucie Kupková, Markéta Roubalová, Lucie Červená, Markéta Potůčková, Jakub Lysák, Stanislav Březina:*  
Potential of remote sensing data and methods for monitoring of tundra vegetation
- 15.00–16:00 Poster session and coffee break

### **7<sup>th</sup> PLENARY SESSION**

- 16.00–17.00 **Socio-economics, history and other social sciences, including nature conservation of the Krkonoše Mts. and practical utilisation of scientific results, research and monitoring activities for environmental education centres and educational programmes.**  
Chair: *Jacek Potocki*
- 16.00–16.30 *Jiří Kulich:*  
Building environmental responsibility – science or art?  
General Challenges and Examples from the Krkonoše Mts.
- 16.30–16.45 *Jakub Kašpar:*  
Fifty nine people a day on every square kilometer – what will come next?
- 16.45–17:00 *Michal Skalka:*  
How educational paths in Krkonoše Mts. National Park (don't) work
- 17:00–17:15 *Tomáš Janata:*  
Implementation of adaptive management cycle in permanent forestless areas management in Krkonoše Mts. National Park

17.15–17:30	<i>Michael Hošek:</i> Why the Krkonoše Mts. NP has been supporting protected landscapes instead of national parks in Georgia?
17.45–18.30	Moderated Plenary Closing session, Conference feedback and conclusion
20.00	Gala conference evening (Entertainment with music and dancing)

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## Friday 13<sup>th</sup> September 2019

7.30–8.30 | Breakfast

8:30–17:30 | **FULL-DAY GUIDED EXCURSION**  
(two options according participant's registration)

**Individual participant's departure.**  
Excursions will start at 8:30 a.m. (front of Hotel Harmony)  
Travel snack will be provided.

**A Ridges of the Western Krkonoše Mts.**  
(Full day, physically demanding route, walking part of tour c. 13 km)

### FOCUS:

- Arctic-alpine tundra phenomenon of the Western Krkonoše Mts. and its geobiodiversity (glacier cirques, subarctic peatbogs, frost sorted soils)
- New zonation of the Krkonoše NP
- Management of Mountain Pine scrub
- Forest management below the ecotone of upper forest limit
- Tourism hot spots – conflicts and their solutions

**Trail:** hotel Harmony (bus) – Špindlerova bouda – Petrova bouda – Dívčí a Mužské kameny – Vysoké kolo – Labská louka – Vrbatova bouda – Horní Mísečky (bus) – hotel Harmony)

## **B** Forest and ridges of the Eastern Krkonoše Mts.

(Full day, less physically demanding route, walking part of tour c. 8 km)

### **FOCUS:**

- Forest management at the 7<sup>th</sup> and 8<sup>th</sup> forest vegetation zones (natural dynamics, forest interventions, supporting of natural processes, non-intervention areas, areas after air pollution disaster and consequences)
- Hydrology of the mountain landscape
- Sporting and recreational infrastructure of the Svatý Petr Ski Area – conflicts and their solutions

**Trail:** hotel Harmony (bus) – Špindlerova bouda – Hollmanova cesta – U Bílého Labe – Dřevařská cesta – Svatý Petr – Špindlerův Mlýn)

*The trails can be changed depending on weather.*