



THE INTERNATIONAL SCIENTIFIC CONFERENCE:
KRKONOŠE MOUNTAINS KARKONOSZE
NATURE AND PEOPLE



3rd Announcement

konference.krnep.cz

The Krkonoše Mts. National Park Administration is pleased to invite you to attend a conference that will be held under the auspices of the Ministry of Environment of the Czech Republic.

The hosts of this conference are the Krkonoše and Karkonosze National Park Administrations.

Conference Venue

The conference will be held from September 11th to 13th, 2019, in the resort of Špindlerův Mlýn, Harmony Club Hotel <http://www.harmonyclub.cz>, Czech Republic (140 km north-east of Prague).

“Implementation of Environmental Projects by the KRNAP Administration”

This project is co-financed by the State Environmental Fund of the Czech Republic based on the decision of the Minister of the Environment.

Ministerstvo životního prostředí



STÁTNÍ FOND
ŽIVOTNÍHO PROSTŘEDÍ
ČESKÉ REPUBLIKY

The Aim of the Conference

The aim of the conference, organised regularly every three years, is to present the latest results of research related to the Krkonoše Mts. and the neighbouring ridges of the Sudetes Mts. The conference is also a unique form of information exchange between scientists from Poland and the Czech Republic doing their research in the Krkonoše Mts. and for transboundary cooperation between the two national parks.

The results presented at the conference should not only enrich the existing scientific knowledge of one of Europe's most naturally valuable mountain ranges and thus contribute to its conservation, but should also be the basis for updating a number of environmental educational documents and teaching programmes. In addition to presenting the results in a traditional scientific and professional format, the results will also be interpreted in a popular-scientific form which will find practical usage amongst the wider lay public.

The conference is regularly attended by scientists from a wide range of scientific institutions, university-based academics, lecturers and other teaching staff, representatives of state administration, educational centres, important regional and national stakeholders and other representatives of the professional public.

Conference Topics

- Presentation of the latest scientific knowledge relating to research, scientific understanding, networking, management and nature conservation of the Krkonoše Mts.
- Examples of effective management tools implemented in mountain protected areas – possibilities and limits
- Activities and expectations of people living on the territory of the Krkonoše Mts.
- Current environmental conflicts and possible solutions in the Krkonoše/Karkonosze National Parks.
- Practical utilisation of scientific results, research and monitoring activities for environmental education centres and educational programmes.

The working language of the conference will be English.

Participants/Audience

The organisers would like to invite a wide range of people with an involvement or interest in research and protection of mountain nature and landscapes, including various aspects of socioeconomic use of the values of the Krkonoše National Park and the neighbouring ridges of the Sudetes Mts. (Natural Sciences, Forestry, Farming, Nature and Landscape Conservation, Social Geography, Environmental Education, Regional Development, etc.) to participate in the conference.

Conference Programme

Tuesday 10th September 2019

17.00 Accommodation

(Harmony Club Hotel, <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.

Wednesday 11th 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

14.15-15.00 1st plenary session: Research, management and protection of Mountain Pine shrubs in the High Sudetes

Chair: To be completed

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**

15.00-15.30 2nd plenary session: Geodiversity of the Krkonoše Mts. and the High Sudetes (geology, geomorphology, pedology, paleoecology)

Chair: To be completed

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 ^{10}Be exposure age of patterned ground/sorted polygons above the alpine timberline in the Krkonoše Mts.**

15.30 – 16.00 Coffe break

16.00-16.30 3rd plenary session: Snow, water, avalanches and abiotic factors in the Krkonoše and the High Sudetes Tundra

Chair: To be completed

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

Thursday 12th September 2019

7.00-8.30 Breakfast

8.30-9.45 4th plenary session: Forests and forest management in the High Sudetes

Chair: To be completed

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

10.45 5th plenary session: 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 Kamila Kunkiewicz: **Seasonal changes of bat activity at the Karkonosze Mt. ridge**

11.30-11.45 Konrad Wiśniewski, Oleg Aleksandrowicz: **Ground beetles (Coleoptera: Carabidae) of mires in the Karkonosze and Izera Mountains**

12.30 - 13.30 Lunch

13.45-15.00 6th plenary session: Flora of the High Sudetes

Chair: To be completed

13.45-14.00 Malicki Marek, 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 Rajs, 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

16.00-17.00 7th plenary session: 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: To be completed

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**

17.15 – 18.00 Moderated Plenary Closing session, Conference feedback and conclusion

20.00 – Gala conference evening (Entertainment with music and dancing)

Friday 13th 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

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 7th and 8th 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

Registration, accommodation and conference fee

The online registration form and all current information on fees and options for accommodation are provided on the conference website (konference.krnep.cz)

Conference Fee: 3,500 CZK (regular). The organizer shall send the invoice for payment in time.

The total conference fee includes:

- Conference organisational costs
- Accommodation and other services provided by WELLNESS HOTEL HARMONY CLUB
- All meals (breakfasts, lunches, dinners incl. gala dinner)

- Coffee breaks
- Participation in all plenary sessions and selected excursions (two options)
- Conference materials and Conference proceedings
- Local transport during the excursions

Conference fees:

3,500 CZK regular registration: until 31st of August 2019

Please pay the conference fee by bank transfer:

Česká národní banka (Czech National Bank)

Account number: 5830601/0710 ČNB Hradec Králové, Hořická 1652/16, 500 02 Hradec Králové

BIC (SWIFT): CNBACZPP

IBAN: CZ03 0710 0000 0000 0583 0601

Owner of Account: Správa KRNAP, Dobrovského 3, 543 01 Vrchlabí, Czech Republic,

IČ: 00088455 DIČ: CZ00088455

Cancellation fees:

Until 15/08/2019 10% of conference fee

Until 31/08/2019 50% of conference fee

After 31/08/2019 100% of conference fee

Rules/Guidelines for oral presentations and poster presentations

Oral presentation in plenary sessions I – VII

Fifteen-minute Power Point presentation (including short discussion).

We would like to ask you to add very short information connected with utilization possibility of results of yours papers for environmental education, school education etc. at the end of yours presentations.

Poster presentation

Poster Panels (provided by organizers) are to be **70 cm (width) x 100 cm (high)**. Posters have to be prepared **in printed form**. Each author will have a reserved place for his poster.

Conference Proceedings

All accepted abstracts will be published in the Book of Conference Abstracts, when at last one author is registered and the conference fee is paid. The Book of Abstracts will be provided to the participants in printed form as well as via the internet page.

All authors of conference contributions will have the opportunity to publish their contributions in the Conference Proceedings (peer-reviewed journal Opera Corcontica).

Steering committee

prof. František Krahulec	Institute of Botany of the Czech Academy of Sciences, Průhonice, Czech Republic
prof. Piotr Migón	University of Wrocław, Poland
prof. Jakub Hruška	Czech Geological Survey, Prague, Czech Republic
prof. Bronisław Wojtuń	University of Wrocław, Poland
PhDr. Robin Böhnisch	Krkonoše National Park Administration, Vrchlabí, Czech Republic
Dr. Andrzej Raj	Karkonosze National Park Administration, Jelenia Góra, Poland
RNDr. Jan Štursa	Krkonoše National Park Administration, Vrchlabí, Czech Republic

Contacts

All colleagues wishing to participate or to be informed about further details are requested to send an e-mail to:

Jan Štursa, Secretary of Conference Steering Committee (jstursa@knap.cz)

Martin Erlebach, Secretary of Conference Organising Committee (merlebach@knap.cz)

Further information concerning the conference is available on the conference website (konference.knap.cz)

konference.knap.cz

www.mzp.cz

www.sfzp.cz