

# AForGeN meeting Zirbitzkogel / Obdach, Styria/Steiermark, Austria, 21-23 June 20223

## Tentative program

Tuesday 20 June – first arrivals at Sabathyhütte

### Wednesday 21 June

10 am to 12:30

welcome; introduction to the site (Berthold)

round table self-introduction of participants

**presentations** (20-25 min. each incl. questions):

Barbara Fussi - Genetic variation in geographically close population pairs of the *P. mugo* complex differentiated by erect and prostrate growth forms

Felix Gugerli - Distribution of genetic diversity in response to multi-faceted evolutionary forces, exemplified by the emblematic Swiss stone pine (*Pinus cembra*)

Katharina Budde - Variation in fine scale spatial genetic structure in *Fagus sylvatica* along an altitudinal gradient in the Carpathian Mountains

Jelena Lazarevic - Pattern of fungal diversity in *Pinus peuce* forests

Berthold Heinze - *Pinus cembra*'s last stands? Genetics of relicts in the Eastern Alps

12:30-13:30 lunch break

13:30-17:00 (with one coffee break)

**presentations:**

Azzurra Pistone - Unraveling the demographic history of *Abies* spp. by combining ancient pollen data with genetic simulations (with Katalin Csillery)

Santiago Gonzalez-Martinez - The best tree or just the less bad? The role of genetic load and negative selection in adaptation.

Markus Mueller - A genome-wide genetic association study for the investigation of adaptation in European beech

Katrin Heer - Local adaptation in the Andean tree species *Nothofagus pumilio*

Niels A. Müller - Genomic variation of European beech across its distribution range reveals patterns of local adaptation and future maladaptation

Phil Aravanopoulos - A test of the central – marginal hypothesis in Norway spruce (by R Verbylaite, N Tourvas, A Menou, FA Aravanopoulos)

Konstantin (Kostya) V. Krutovsky - Genetic adaptation of Siberian larch (*Larix sibirica* Ledeb.) to high altitudes

Kostya Krutovsky - Project introduction: “TreeGeneClimate – Sustainable wood and biomass production: Novel property traits, resilience to climate change, pest and diseases” (“Bioeconomy in the North” Initiative funded by the German Federal Ministry of Education and Research and the Finnish Ministry for Agriculture and Forestry).

### Thursday 22 May

all day hike to Mount Zirbitzkogel - lunch at the refuge on top

Friday 23 May

8:30-12:30/13:00 (with one coffee break)

further presentations (project introductions)

Meredith Christine Schuman - Leveraging remote sensing to support assessment of genetic variation in beech forests (with K. Csillery)

Agathe Hurel - Searching for drought-resistant genetic variants in *Quercus cerris* for future Austrian climate

Katalin Csilléry - MyGardenOfTrees: a participatory science experiment to study forest regeneration

Lars Opgenoorth - Project introduction: PhytOakmeter and Tree-M

Erik Szamosvari - Projects in provenance research and breeding in Austria

Jonathan Feichter - Austrian *Abies alba* projects; re-sequencing

discussion on common projects/work

IUFRO WP business (future chairs)

next meeting