

2nd International Congress of Alpine and Arctic Botanical Gardens,
Munich, 22 - 25 April 2009

Alpine and Arctic Botanical Gardens: Diversity in an Extreme Environment

Programme

Wednesday, April 22

12:00 – 14:00 Registration
14:00 – 15:00 Welcome and introduction
15:00 – 17:00 Presentations by the participating gardens (max. 10 min. each)

20:00 **Evening lectures:** Mountain floras *in situ*
(two 30 min. talks, presenting selected floras and their natural habitat)

Andreas Gröger (Alpengarten auf dem Schachen)
Mountain floras in situ: **Caucasus**

Jennifer Wainwright-Klein (Alpengarten auf dem Schachen)
Mountain floras in situ: **Lesotho Highlands**

Thursday, April 23

9:00 – 11:00 **Session I: Diversification of Collections**
How do our collections differ from each other?
Special geographic collections
Special taxonomic collections
Comparison of plant inventories
What makes an Alpine Garden unique (focus collections)

Jennifer Wainwright-Klein (Alpengarten auf dem Schachen)
& *Richard Hurstel* (Jardin Botanique Alpin du Lautaret)
Experiences in the introduction of southern hemisphere alpinines

Anne Humburg
Betty Ford Alpine Gardens: the many faces of North America's highest botanical garden

11:00 - 13:00

Session II: Horticultural Practices

What are the particulars of plant cultivation at high altitudes?

Maintaining a collection in an extreme environment
Propagation, storage, and germination techniques
Implications of climate change for our collections
Display of beds (e.g., crevice gardens)
Data bases for the documentation of our collections

Otto Hegg (Botanischer Alpengarten Schynige Platte)

Maintenance Guidelines for the Botanical Alpine Garden Schynige Platte

Arve Elvebakk (Tromsø Arctic-Alpine Botanic Garden)

Rock garden landscapes in Tromsø Arctic-Alpine Botanic Garden

15:00 - 16:30

Bonus lecture:

Katie Price (Royal Botanic Gardens, Kew)

Kew's Alpine House - what's the point?

16:30 - 18:30

Session III: Education Concepts

How to awaken environmental interest?

How to achieve more public attention
Main target groups
Information transfer to the visitor
Strengthening of public awareness

Serge Aubert (Jardin Botanique Alpin du Lautaret)

Education through the new website of the Jardin botanique alpin du Lautaret

Costantino Bonomi (Giardino Botanico Alpino Viotte)

Enquiry centred education for alpine Botanic Gardens: examples from the EU project "Plant Scientists Investigate"

Christine Freitag (Fachhochschule Weihenstephan)

Educative tools to connect an alpine garden to the surrounding vegetation

20:00

Evening lectures: Mountain floras *in situ*

(two 30 min. talks, presenting selected floras and their natural habitat)

Serge Aubert (Jardin Botanique Alpin du Lautaret)

Mountain floras in situ: **Patagonia**

Anne Humburg

Mountain floras in situ: **New Zealand**

Friday, April 24

9:00 - 11:00

Session IV: Research and Conservation Activities

In what way can research add to the profile of an Alpine garden?

Physiological and ecological research

Research on climate change

Taxonomic research

Research on nature and species conservation

Research on neophytes

Gunter Karste (Brockengarten)

Investigation on renaturation of the subalpine meadow vegetation on top of Brocken mountain

Eva Thorvalldotir (Reykjavik Botanic Garden)

Characteristic elements of the Icelandic flora and how they are influenced by climate change

Andreas Gröger (Alpengarten auf dem Schachen)

& *Annette Menzel* (Technische Universität München, Chair of Ecoclimatology)

Detection of climate change impacts in alpine and arctic botanic gardens: a phenology program

Bongani Ntloko (Katse Alpine Botanic Garden)

Katse Alpine Botanic Gardens support to community medicinal plant gardens in Lesotho

11:00 - 12:30

Guided Tours

in the Alpine Collections of the Munich Botanical Garden

14:30 - 16:30

Session V: Networking

How can we strengthen our community?

Criteria for defining an "Alpine and Arctic Botanic Garden"

Mutual publicity (webpage and survey panel)

Policies regarding access to plant material (CBD, IPEN)

Improvement in the cooperation between the gardens

Quality in the exchange of plant material

Andreas Gröger (Alpengarten auf dem Schachen)

International Plant Exchange Network (IPEN): a transparent documentation instrument in accordance with the Convention on Biological Diversity (CBD)

Andreas Gröger (Alpengarten auf dem Schachen)

Mutual Publicity: a survey panel for European arctic and alpine botanic gardens

16:30 - 17:30

Conclusion and Outlook

20:00

Joint dinner in a traditional site in Munich downtown

Saturday, April 25

9:00 - 16:00

Excursion (to be announced)

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