

The ForHot 2025 Workshop

“Joint Ecosystem Assessment on the Effects of Natural Soil Warming and N-input Manipulation on Subarctic Grasslands and Forests”

25-26 of February, 2025

University of Vienna, Vienna, Austria

The first joint ForHot workshop took place in Leiden, the Netherlands, in 2014 and similar workshops took place in 2016 at University of Antwerp, Belgium, at University of Vienna, Austria in 2017, in Sitges, Cataluña, Spain in 2018, 2019, on-line in 2020 and 2021 annual, Reykjavík, Iceland in 2022, University of Tartu, Estonia, in 2023 and there we decided that the next workshop would take place at University of Vienna at end of February 2025.

The main aims of the Vienna workshop are to:

- Create a platform to get an in depth overview on the past and ongoing research activities within ForHot and other related projects.
- Identify where different research groups can benefit from each other's data, i.e. build bridges between different research groups within the ForHot consortium to stimulate further cooperation in carrying out research and reporting on its results, to help and encourage young scientists involved in this research area to publish their results.
- Identify knowledge gaps in the current ForHot research activities to assess the integrative effects of warming and N-input manipulation on ecosystem composition and functioning.
- Discuss and compare the results on various aspects of ecosystem functioning impacts of soil warming and to derive a conceptual framework on how different processes impact different compartments of ForHot and other high-latitude ecosystems.
- Create a venue where co-authors of different manuscripts can get together to forward their writing AND possibilities for initiating such activities.

Workshop main organizer: Bjarni D. Sigurdsson (+354 843 5342; bjarni@lbhi.is)

Local organizer: Andreas Richter (+43 664 8175472)

Basic meeting structure

Arrival: Monday afternoon or evening on 24 February. The workshops starts at 9:00 on Tuesday morning.

Departure: After lunch on Wednesday on 26 February.

Workshop venue:

University of Vienna Biology Building (UBB)

Address: Djerassiplatz 1, 1030 Wien, Austria

Instructions on how to get to UBB are found furthest back as well as map of the UBB.

Monday 24/02/25	Tuesday 25/02/25	Wednesday 26/02/25	
	ForHot Zoom link for Session I and II	ForHot Zoom link for Session V	
	9:00-10:00 Session I Mini conference on various ForHot findings.	Session V ForHot business meeting & writing plans	
	10:15-12:00 Session II Ongoing microbial ecology research	General round-table discussion on how we go from here	
	12:00-13:00 Lunch Zoom link for Sessions III and IV	12:00-13:00 Lunch	
	13:00 -14:35 Session III The ongoing SOCRATES project	Departure	
Arrival	15:00-17:00 Session IV Possible synthesis activities in post-FutureArctic times		
	19:00 Workshop dinner Glacis Beisl, im Museumsquartier		

ForHot Workshop Fee: As we don't have any external funding for this meeting and *in situ* participants are asked to pay a workshop fee of **40 EUR**, which covers two workshop lunches at and a joint workshop dinner. Andi will cover the costs of the meeting facilities and coffee during mornings and afternoon.

Paying the workshop fee for those who attend in situ:

Indicate the payment with the text: **"2743 ForHot"**

Amount: **40 EUR**

Iban: **IS830326260028024112043590**

SWIFT: **ESJAISRE**

Name of bank: *Arion bank, Borgartun 19, IS-105 Reykjavik, Iceland*

Account owner: *Agricultural University of Iceland*

Address of AUI: *Hvanneyri IS-311 Borgarnes, Iceland*

Tuesday 25th Feb, 2025

Zoom meeting, <https://univiennea.zoom.us/j/61434207373?pwd=v33fZTKxXYoGrliLh9aes7zg2CaJ2l.1>

Meeting ID: 614 3420 7373; Kenncode: 091548

09:00-10:00 CET	<p>Chair: Andreas Richter</p> <p>5 min Andreas Richter opens the meeting</p> <p>Session 1: ForHot mini-conference</p> <p>10+5 min Bjarni D. Sigurdsson <i>“Research related to the ForHot soil warming infrastructure in Iceland: What has happened since last workshop in 2023”</i></p> <p>10+5 min Alberto Canarini et al. <i>“Global Warming and N losses”</i></p> <p>10 min Christopher Poeplau <i>“The AWESOME project is awesome! An introduction”</i></p> <p>10+5 min Jana Kehr & Anne Peter <i>“This is how we actually do AWESOME!”</i></p>
10:00-10:15 CET	Break
10:15-10:30 CET	<p>Chair: Andrea Söllinger</p> <p>Session 2: Microbial ecology studies</p> <p>15+5 min Anne Daebeler <i>“Soil trace gas oxidizers acclimatize to short- and long-term warming”</i></p> <p>20+5 min Mathilde Borg Dahl <i>“Quantitative carbon dynamic derived from the soil food web structures”</i></p> <p>20+5 min Tina Kaiser <i>“Temperature response of microbial communities and soil C cycling: Project overview”</i></p> <p>Thayer Taft <i>“Group-specific microbial growth responses to long-term warming”</i></p> <p>20+5 min Andrea Söllinger <i>“The SHRINK project – A brief introduction”</i></p> <p>Julia Brzykcy <i>“Tracking microbial activity in soil upon warming”</i></p> <p>5 min General discussion</p>
12:00 – 13:00 CET	Lunch
<p>Zoom meeting, https://univiennea.zoom.us/j/61507282386?pwd=flg5EWOFF3N353OedR17jHGe5atdvtj.1</p> <p>Meeting-ID: 615 0728 2386; Kenncode: 019747</p>	
13:00 – 14:35 CET	<p>Chair: Sara Marañon Jimenez</p> <p>Session 3: The ongoing SOCRATES project</p> <p>10+5 min Sara Marañon <i>“Research questions, experimental setup, and current activities”</i></p> <p>10+5 min Ana Leticia Zevenhuizen <i>“Soil microclimate and first results on soil variables”</i></p> <p>10+5 min Fabrizio Protti, Sara Marañon et al. <i>“First results on the continuous soil CO₂ fluxes and source partitioning”</i>.</p> <p>10+5 min Bjarni D. Sigurdsson <i>“Intensive campaign of CH₄ and CO₂ flux across all the mesocosm”</i></p> <p>10+5 min Ruth Phoebe Tchana <i>“Vegetation changes in the mesocosms in the 1st treatment year”</i></p> <p>ONLINE 10+5 min Ivika Ostonen <i>“Overview of root measured properties”</i></p> <p>10+5 min Erik Verbruggen <i>“Overview of future projects related to the transplantation experiment”</i></p> <p>5 min General discussion</p>
14:40– 15:00	Break
15:00 – 17:00 CET	<p>Session 4: Possible synthesis activities during post-FutureArctic times</p> <p>Chair: Ivan Janssens</p> <p>5+5 min Christina Biasi: <i>„Update on the continued NAT-LAB-14C work“</i></p> <p>10+5 min Andreas Richter: <i>New proposal with Bob Hilton: The stability of a rapid mineral-carbon sink in soils.</i></p> <p>All: Roundtable discussion about what should become our next synthesis activities</p>
19:00	<p>Dinner</p> <p>Glacis Beisl, im Museumsquartier (https://glacisbeisl.at/en/). Breitegasse 4, 1070 Wien</p>

Wednesday 26th Feb, 2025	
Zoom meeting , https://univienne.zoom.us/j/67732254835?pwd=WAAti4r9JeEiZrpxdA8j0fmHPfFhn6.1 Meeting-ID: 677 3225 4835; Kenncode: 680978	
09:00-10:30 CET	Session 5: ForHot business meeting & updated writing plans Chair: Bjarni D. Sigurdsson Active participation by all in situ and online participants
10:30-11:00 EET	Break
11:00-12:00 EET	Session 6: General round-table discussion on how we go from here Active participation by all in situ and online participants
12:00 – 13:00	Lunch
	Departure

Where to stay in Vienna – relatively close to the meeting venue:

1st option (is recommended if you want to be at the same hotel as most)

[Magdas Hotel](#)

relatively cheap hotel

- Lowest price for a room: 71 EUR/night
- Free cancelation + breakfast (89 EUR/night)

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Other nearby alternatives

[Hotel Doppio](#)

good and reasonably priced hotel

- Lowest price for a room: 68 EUR/night
- Free cancelation + breakfast (125 EUR/night)

[Ruby Sophie Hotel](#)

nice hotel

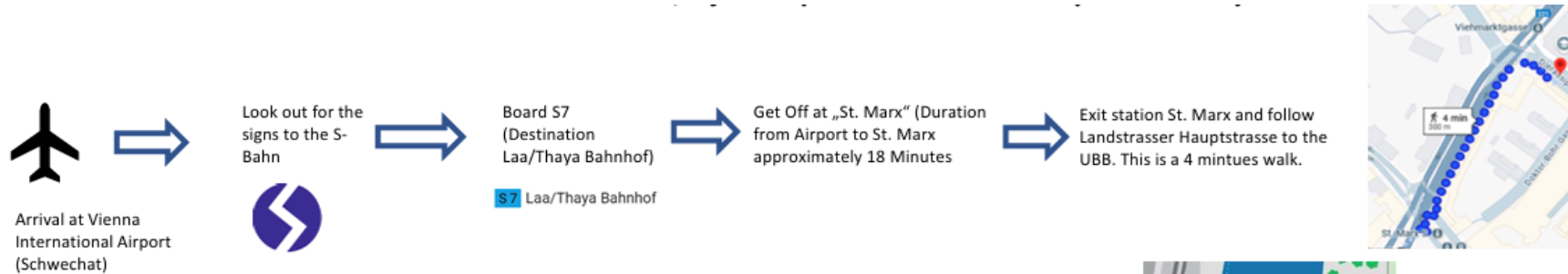
- Lowest price for a room: 111 EUR/night
- Fee cancellation + breakfast: 152 EUR/night

Participant list. WWe are 24 who will meet in Vienna and 13 others will join us online.

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Total number of participants		37

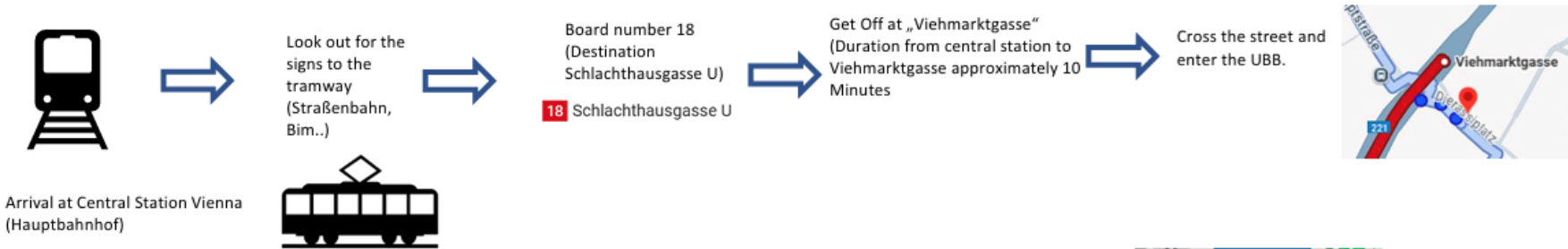
How to get to the meeting venue:

Here below is basic information how to get to the meeting venue (UBB)



Your complete way from the airport to the center takes about 26 minutes

Upon your arrival at the UBB, enter the building and make your way up to the second floor - either by lift or via the stairs.



Your complete way from the main station to the center takes about 18 minutes.

Upon your arrival at the UBB, enter the building and make your way up to the second floor - either by lift or via the stairs.



UBB - University of Vienna Biology Building



We will meet on Tuesday and Wednesday morning in lecture hall 3 of the UBB (University of Vienna Biology Building, Djerassiplatz 1, 1030 Wien).
Lecture Hall 3 (HS 3) is just to the right of the main entrance as you enter the building.