

OGGM Workshop 2018

May 23-25, Innsbruck



Location:

[Bildungsinstitut Grillhof](#)

Grillhofweg 100
6080 Innsbruck

Organisation:

OGGM e.V., Upper Borg 24, 28357 Bremen, Germany

Participants: 21

Last name	First name	University
Arndt	Anselm	HU Berlin
Castellani	Matteo	Innsbruck
Champollion	Nicolas	Bremen/Grenoble
Dusch	Matthias	Innsbruck
Eis	Julia	Bremen
Förster	Kristian	Hannover
Gregor	Phillipp	Innsbruck
Jarosch	Alexander	Innsbruck
Kaser	Georg	Innsbruck
Marzeion	Ben	Bremen
Maussion	Fabien	Innsbruck
Möller	Marco	Bremen
Nicolussi	Kurt	Innsbruck
Oberrauch	Moritz	Innsbruck
Recinos	Beatriz	Bremen
Richter	Kristin	Innsbruck
Rothenpieler	Timo	Bremen
Stoll	Elena	Innsbruck
Tootle	Glenn	Alabama
Vlug	Anouk	Bremen
Wirbel	Anna	Innsbruck

23.05.2018, day 1: status of OGGM

09H00: Welcome by the organisers

09H10: Round of introductions

09H30: Session 1: “status and history of OGGM”

- Fabien Maussion
Status and history of the Open Global Glacier Model, from the first student assistant to today's workshop
- Nicolas Champollion
Where is OGGM in the hierarchy of ice flow modeling?

10H15: Coffee break

10H45: Session 2: “Ice thickness estimation methods”

- Fabien Maussion
Participation of OGGM to the Global Glacier Thickness Initiative (G2TI) and to ITMIX2
- Philipp Gregor
Improving the OGGM ice thickness inversion module with a 2D shallow ice dynamic model
- Beatriz Recinos
Impact of accounting for calving on glacier thickness estimations of marine-terminating glaciers of the Alaska region
- Matteo Castellani
Estimating ice thickness using artificial neural networks: an introduction

12H00: Discussion

12H15: Lunch break

14H00: Session 3: “Past glacier evolution”

- Julia Eis
Estimation of Reconstructed Glacier States Using Inverse Methods
- Anouk Vlug
Influence of climate variability on the mass balance of Canadian Arctic glaciers
- Ben Marzeion
Testing the consistency between changes in simulated climate and European glacier length over the past millennium

- Matthias Dusch
OGGM and tree-ring based temperature reconstructions to estimate past glacier variability - an outlook
- Moritz Oberrauch
The Upper Grindelwald Glacier as indicator for Holocene climate variability?

15H45: Coffee break

16H15: Session 4: "Current development of OGGM"

- Kristian Förster
Seasonal prediction of snow accumulation and glacier mass balances
- Anna Wirbel
Debris-covered glaciers from high resolution to the large scale?
- Fabien Maussion
Current known developments from the OGGM team
- Nicolas Champollion
Possible future developments of OGGM & future works with OGGM

17H00: Discussion

18H30: Diner

24.05.2018, day 2: future of OGGM - brainstorming

Block 1: OGGM - more than numbers. What can we learn from the model?

Block 2: future developments

Block 3: how can we improve the number of code improvements from the team

Block 4: OGGM for education and OGGM on the cloud

10H30: Coffee break

12H30: Lunch

15H30: Coffee break

18H30: Diner

25.05.2018, day 3: hands on OGGM, tutorials

09H00: Block 1: OGGM structure & basics

12H30: Lunch

14H00: Block 2: Advanced Topics

17H00: Concluding remarks and departure