2-day Beginner Elmer/Ice course
22nd and 23rd Oct 2018,
Arctic Centre at the University of Lapland,
Rovaniemi, Finland

Location

Room Borealis, third floor
Arctic Centre at the University of Lapland (Arktikum House, Pohjoisranta 4, Rovaniemi)
As the course room is located in a restricted area, the meeting point is at the entrance of the
Artic Center. In case of problem, you can contact Rupert Gladstone (+49 15258784656), Thomas
Zwinger (+358503819538) or Olivier Gagliardini (+33681502923).

Program

Monday, 22nd Oct 2018
9:00-9:30 Arrival of the participants
9:30-9:45 Welcome words by Rupert Gladstone, general announcements
9:45-10:30 Introduction on Elmer/Ice (OG)
10:30-11:00 Coffee break
11:00-12:00 Toy flow-line model: basic diagnostic (TZ)
12:00 Lunch
13:00-15:30 Toy flow-line model: thermo-mechanical coupling (TZ)
15:30-16:00 Coffee break
16h00-17h30 Toy flow-line model: sliding, prognostic runs (TZ)
19h00 Course dinner (on your own expense – place to be determined)

Tuesday, 23rd Oct 2018
9:00-10:00 Tête Rousse context (OG)
10:00-10:30 Tête Rousse setup and diagnostic (OG)
10:30-11:00 Coffee break
11:00-12:00 Tête Rousse prognostic (OG)
12:00 Lunch
13:00-14:30 SSA prognostic (OG)
14:30-15:00 Coffee break
15:00-17:00 Questions on your own modelling

Presenters:

Thomas Zwinger (CSC, Espoo, Finland)
Olivier Gagliardini (IGE UGA CNRS, Grenoble, France)
Rupert Gladstone (Arctic Centre at the University of Lapland, Rovaniemi, Finland)

Local organiser committee:

Rupert Gladstone and Raija Kivilahti (Arctic Centre at the University of Lapland, Rovaniemi,
Finland)

Sponsors:

Arctic Centre, University of Lapland
Labex OSUG@2020
eScience tools for investigating climate change (eSTICC)

CSC
IGE UGA / CNRS

Organisation:

The participation is free of charge. The participants have to organize and pay their travel and their stay in Rovaniemi. The labex OSUG@2020 is covering the fees for the travel of Olivier Gagliardini. Thomas Zwinger is supported by eSTICC.

All participants are expected to bring their own laptop with Elmer (and Elmer/Ice), including the elmerf90 (demands working Fortran-compiler) utility, installed on it. Installation instructions are to be found on the Elmer/Ice wiki. You will also need gmsh and paraview tools for the course.

WIFI will be available in the room but you will need EDUROAM to connect. If you do not have access to EDUROAM, please let Rupert Gladstone (rupertgladstone1972@gmail.com) know such that he can arrange a guest account.

A virtual appliance that can be run in VirtualBox has been set up. It can be downloaded here (please read the Readme1st.txt file before installing, needs a host with minimum 2GB free RAM, dual core 64-bit CPU and about 20 GB disk). It has a working Elmer/Ice already installed.

The material and presentation used during the course will be downloaded from the Elmer/Ice wiki (not yet online).

List of Participants

Guðfinna Aðalgeirsdóttir (University of Iceland, Iceland)
Jorge Bernales (University of Bremen, Germany)
Gleb Chernyakov (Institute of Geography, Russian Academy of Sciences, Russia)
Sean Gilgannon (University of Sheffield, UK)
Ralf Greve (Institute of Low Temperature Science, Hokkaido University, Japan)
Xiaoran Guo (Beijing Normal University, China)
Alexandra Hamm (Humboldt University, Germany)
Dong-Uk Hwang (National Institute for Mathematical Sciences, Korea)
Hyuk Kang (National Institute for Mathematical Sciences, South Korea)
Martim Mas e Braga (Stockholm University, Sweden)
Hark Su Song (National Institute for Mathematical Sciences, Korea)
Michael Wolovick (Princeton University, USA)
Yufang Zhang (Beijing Normal University, China)

Directions