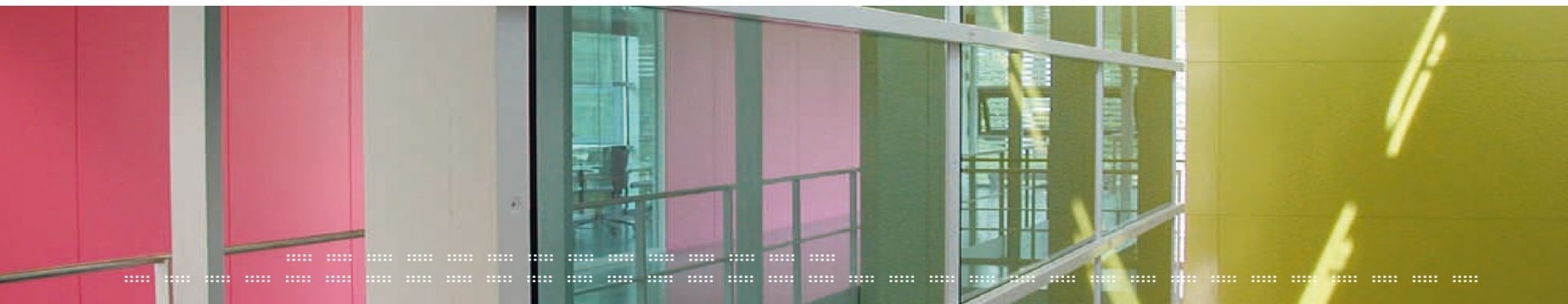


ChEESE Advanced Training on HPC for Computational Seismology

José Gracia (HLRS)



Sessions Overview

Wednesday

- Intros
- Lightning-talks
- ExaHype
with exercises

Thursday

- SeisSol
with exercises
- Lightning-talks
- SPECFEM3D
with exercises

Friday

- Salvus
with exercises
- Lightning-talks
- Wrap-Up
- Q&A

blue: main room

magenta: breakout rooms

green: your recording
main room

- Vadim Monteiller (CNRS)
- Amandine Sergeant (CNRS)
- Alice Gabriel (LMU)
- Duo Li (LMU)
- Thomas Ulrich (LMU)
- Aniko Wirp (LMU)
- Bo Li (LMU)
- Taufiqurrahman (LMU)
- Carsten Uphoff (LMU)
- Sebastian Wolf (TUM)
- Leonhard Rannabauer (TUM)
- Anne Reinharz (TUM)
- Lukas Krenz (TUM)
- Jean-Matthieu Gallard (TUM)
- Philipp Samfaß (TUM)
- Lion Krischer (ETHZ)
- Michael Afanasiev (ETHZ)
- Christian Boehm (ETHZ)

Agenda Wednesday

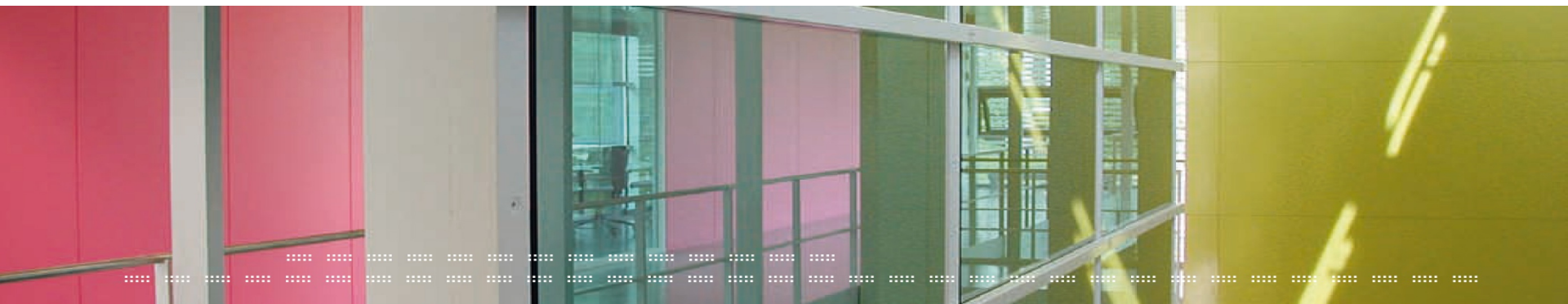
- 09:00-09:30
Intro Zoon & Cluster
- 09:30-10:30
Intro ExaHype & SeisSol
- 10:30-11:00 Break
- **11:00: Group picture**
- 11:00-12:00
Intro SPECFEM3D & Salvus
- 12:00-13:00
Lunch Break
- 13:00-13:30
Lightning-talks
- 13:30-16:30
ExaHype Code w/ exercises

Questions?

.....

Introduction to Zoom and the Cluster

José Gracia (HLRS)

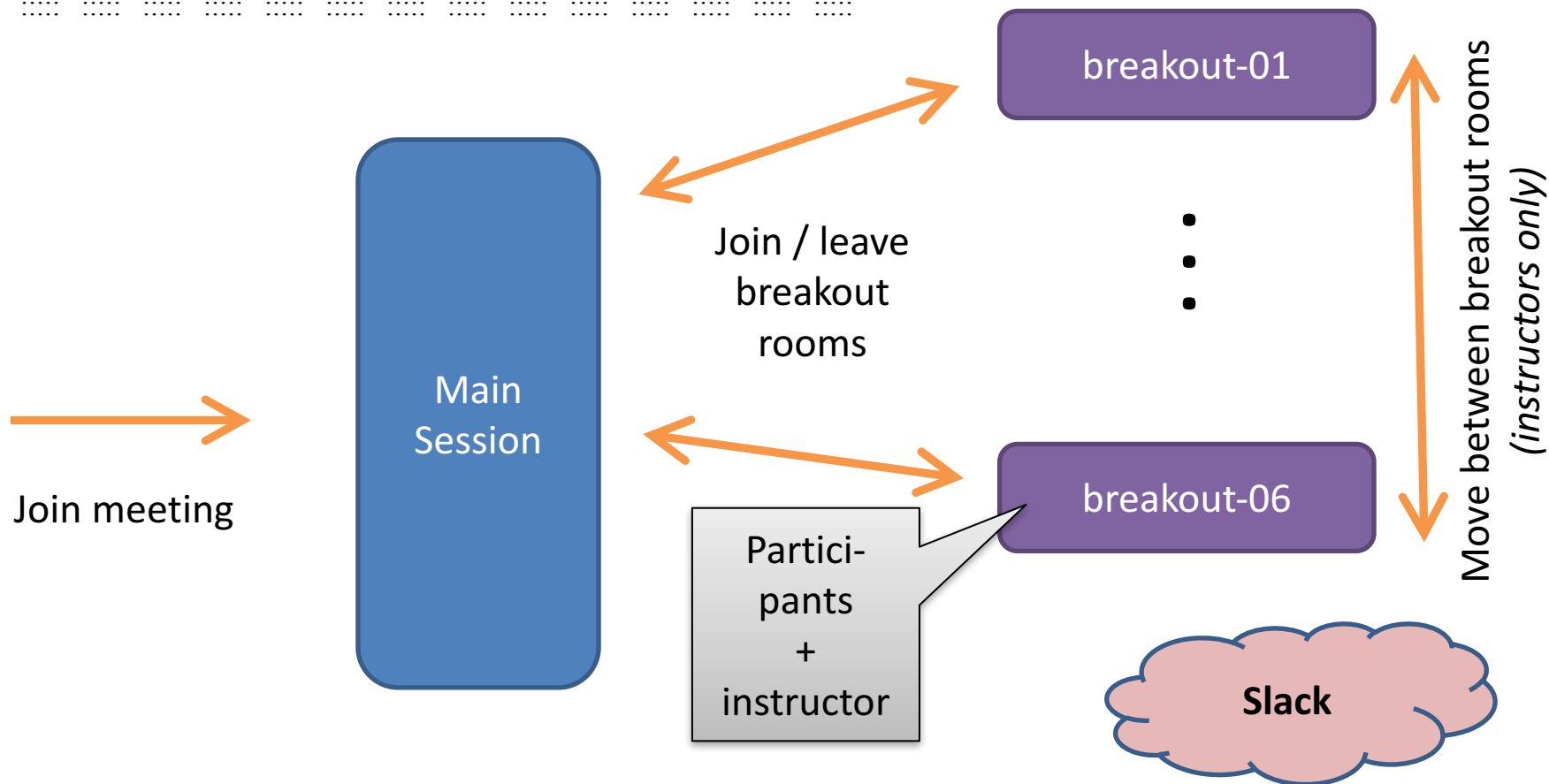


.....

ZOOM

Workshop Rooms

H L R I S

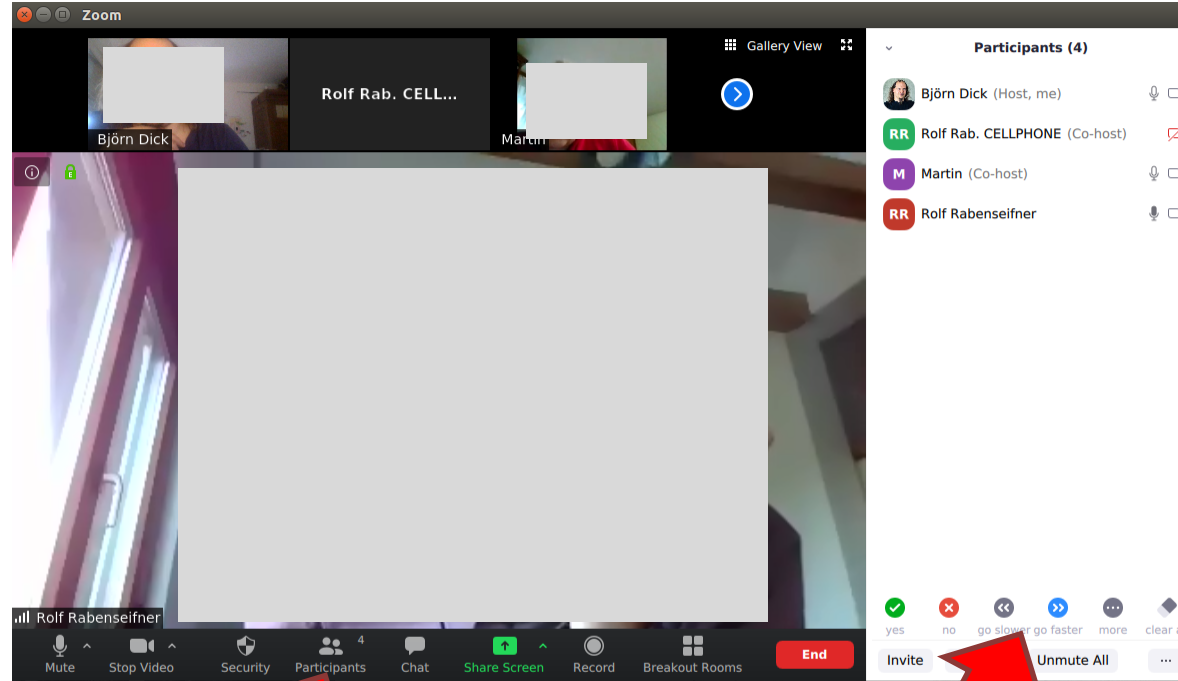


Zoom features required by everyone



- Give instant feedback
- Breakout rooms
- Share your screen
- Grant remote control
- Ask for help

Give instant feedback

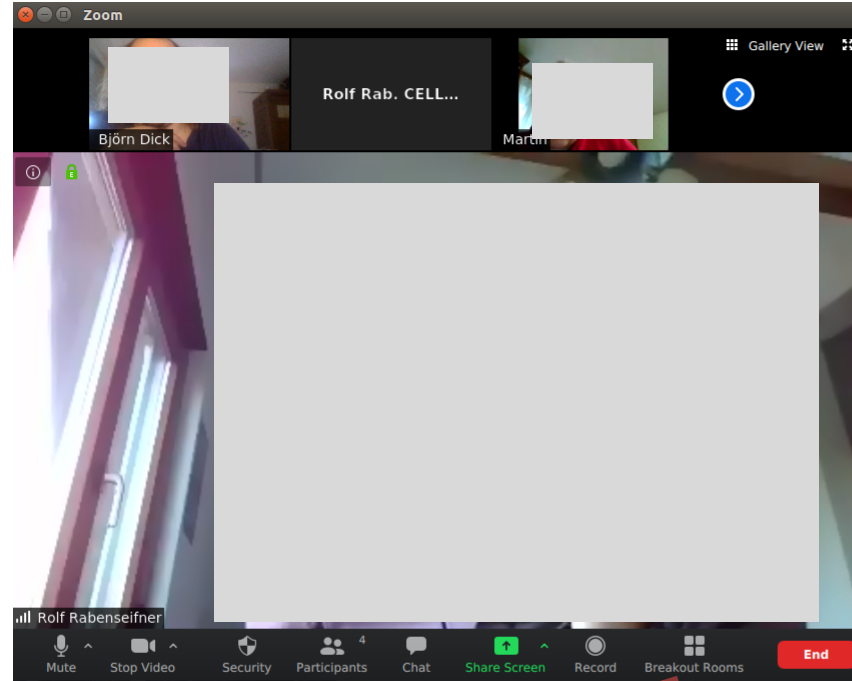


1

2

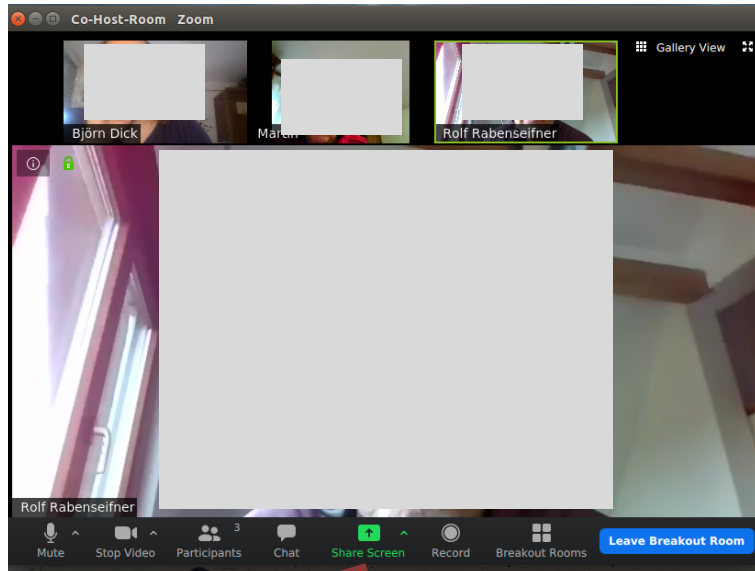
Join breakout room

.....



Share your screen

1



2

... and select the window to be shared or entire desktop

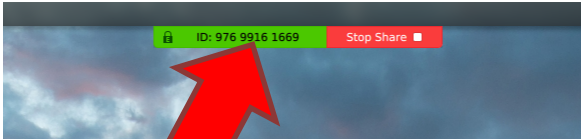
IMPORTANT:

Do ***not*** move the window while you share it!

Grant remote control

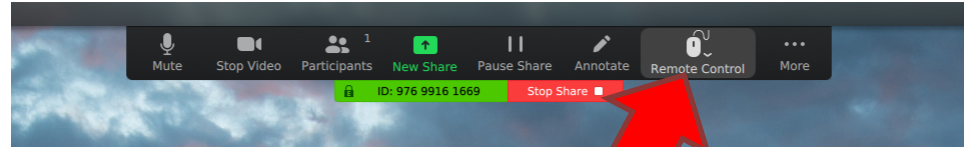
(after sharing your screen)

1



Move your mouse to this area → menu opens

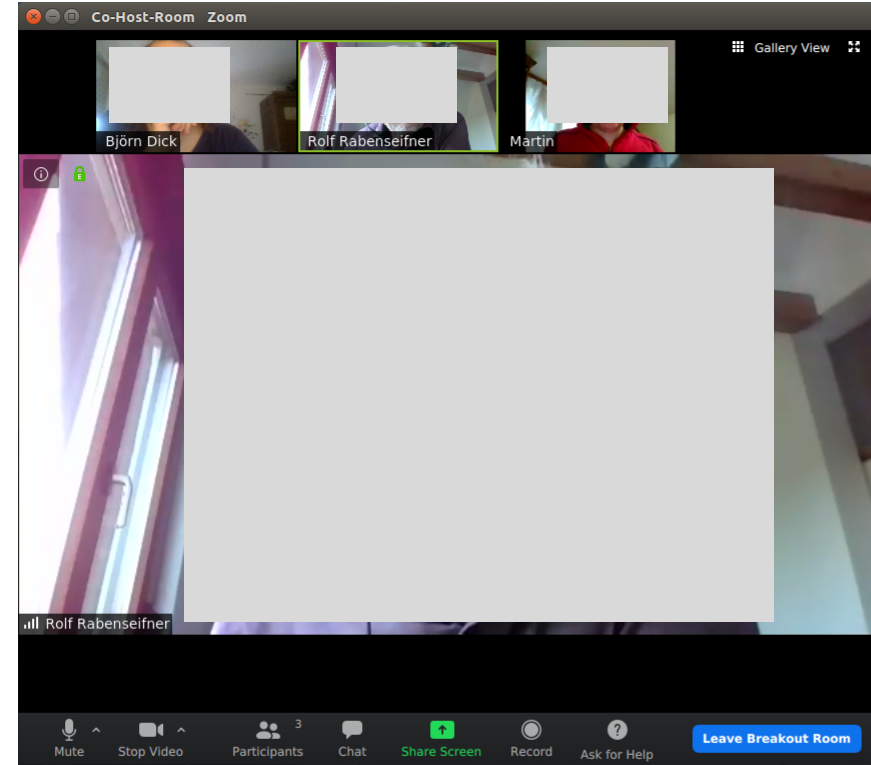
2



Click here and select people to be authorized.

Ask for help ...

... if you are in a breakout room
and your personal tutor is not
available



Questions??

.....

CLUSTER

- Exercises will be done on a HPC cluster
- To connect to it, you need an account and an ssh-client
- Most of you have completed all the necessary paperwork and obtained an account `sca509XX` for the duration of the workshop

Use your ssh-client to connect to the cluster now!

Give instant feedback “yes” if it works; “no” if doesn’t.

- “-i” needs private key, not public
- wrong file/folder permissions
`chmod 700 ~/.ssh`
`chmod 600 ~/.ssh/your_private_key`
`chmod 644 ~/.ssh/your_public_key.pub`
- If connecting via ssh still does not work,
post your error message on Slack
in the channel *#ssh-issues*

- To set up the environment for the workshop type:
`/shared/cheese/setup.sh`
- Expected output:
Info: creating workspace.
remaining extensions : 3
remaining time in days: 10
WORK OK
CHEESE OK

- Materials / codes / etc. will be located in the directory
~/cheese/
- Always do your exercises, etc, in the directory
~/work/
- So, before any exercise execute the command:
cd ~/work

Questions??

