

# Snakemake for reproducible research

## General introduction

# Organizers and teachers

- Coordination: **Grégoire Rossier**, training manager at SIB
- Teachers:
  - **Antonin Thiébaud**
  - **Rafael Riudavets Puig**

# Learning outcomes

- Understand the basic principles and advantages of Workflow Management Systems
- Create data analysis workflows with Snakemake
- Combine Snakemake with containers and conda environments to build reproducible computational workflows
- Run Snakemake workflows locally and in HPC environments

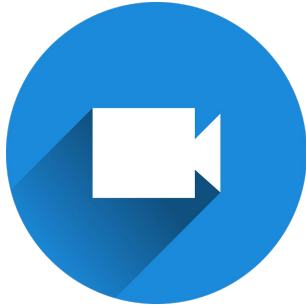
# Learning experience

- Lectures
- Poll questions
- Exercises

# Communication

- Course website: <https://sib-swiss.github.io/containers-snakemake-training/>
- Shared document:
  - Instruction to log on to the server
  - Exam link; add your name if you plan to take it
  - Link to course feedback form
  - General questions and answers
- Zoom

# Zoom etiquette



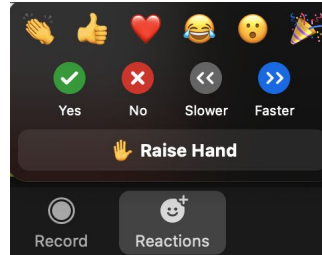
Video on when  
possible



Mute when not  
speaking

# Asking questions on Zoom

- During lectures: zoom functionality



- During exercises: write on zoom (DM / general chat)
  - General knowledge questions will be answered either:
    - When we are all together
    - In the shared document
  - Specific/technical questions will be answered by DM / in breakout rooms

# Getting to know each other (1)

- Questions 1-6

# Getting to know each other (2)

- Current job/study
- Why you are joining this course



