Getting started with containers

Geert van Geest

Course etiquette
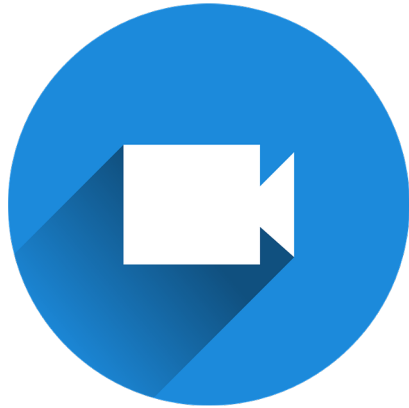
Video on when possible

Mute when not speaking

Organizers/teachers

- **Diana Marek:** training manager at SIB
- **Damir Zhakparov:** PhD candidate at SIAF/UZH in Davos
- **Geert van Geest:** trainer at SIB/bioinformatician at IBU Bern

Learning outcomes

- Understand the basic **concepts** and **terminology** associated with **virtualization** with **containers**

- Be able to **customize**, **store** and **share** a **containerized** environment with **Docker**

- Understand the essential **differences** between **Docker** and **Singularity**

- Be able to use **Singularity** to run **containers** on a **shared** computer **environment** (e.g. a HPC cluster)

Learning experiences

- Lectures
- Poll questions
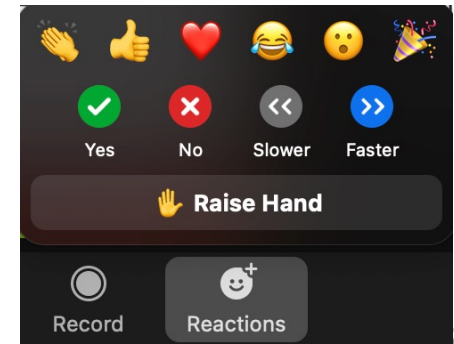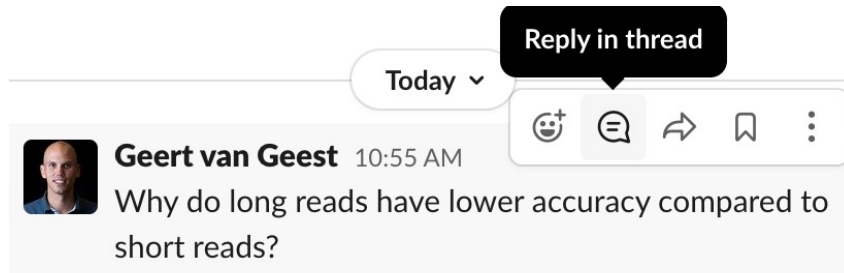- Exercises

Question 1-4

Communication

- Course website:

https://sib-swiss.github.io/containers-introduction-training/

- Slack

- Google docs

Asking questions

- During lectures: zoom functionality
- Personal interest questions: #background
- During exercises: #q-and-a on slack

Introduction round

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