

A large, detailed snake with a grey and yellow patterned body is coiled on top of a stack of shipping containers. The containers are in shades of blue and orange. The background is a dark, overcast sky with several birds in flight. A tall antenna tower is visible on the right side of the image.

Introduction to Containers and Snakemake

Organizers/teachers

- **Patricia Palagi:** Coordination
- **Antonin Thiébaud:** Data Scientist / Project Manager at CHUV
- **Geert van Geest:** trainer at SIB/bioinformatician at IBU Bern

Learning outcomes

- Understand the basic **concepts** and **terminology** associated with virtualization with **containers**
- **Customize, store, manage** and **share** containerized environments with **Docker**
- Use **Singularity** to run containers on a shared computer environment (e.g. a HPC cluster)
- Understand the basic **concepts** and **terminology** associated with **workflow management systems**
- Create a computational **workflow** that uses **containers** with **Snakemake**

Learning experiences

- Lectures
- Poll questions
- Exercises

Question 1-4

Communication

- Course website:

<https://sib-swiss.github.io/containers-snakemake-training/>

- Shared doc

Introduction round

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