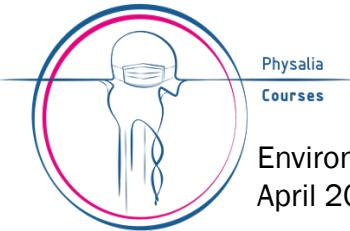


Environmental metagenomics

Course outline and practical info



Environmental metagenomics
April 2021

Igor S. Pessi & Antti Karkman, University of Helsinki

Welcome to the Physalia course on Environmental metagenomics

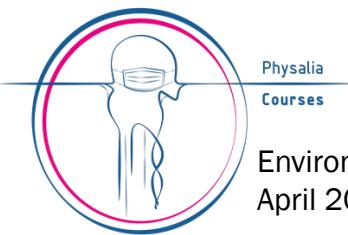
Organizer:

- Carlo Pecoraro, Physalia Courses
 - info@physalia-courses.org



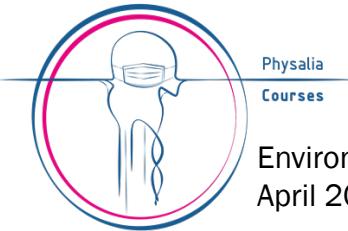
Instructors:

- Igor Pessi, University of Helsinki
 - igor.pessi@helsinki.fi
- Antti Karkman, University of Helsinki
 - antti.karkman@helsinki.fi



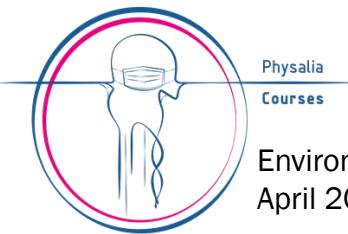
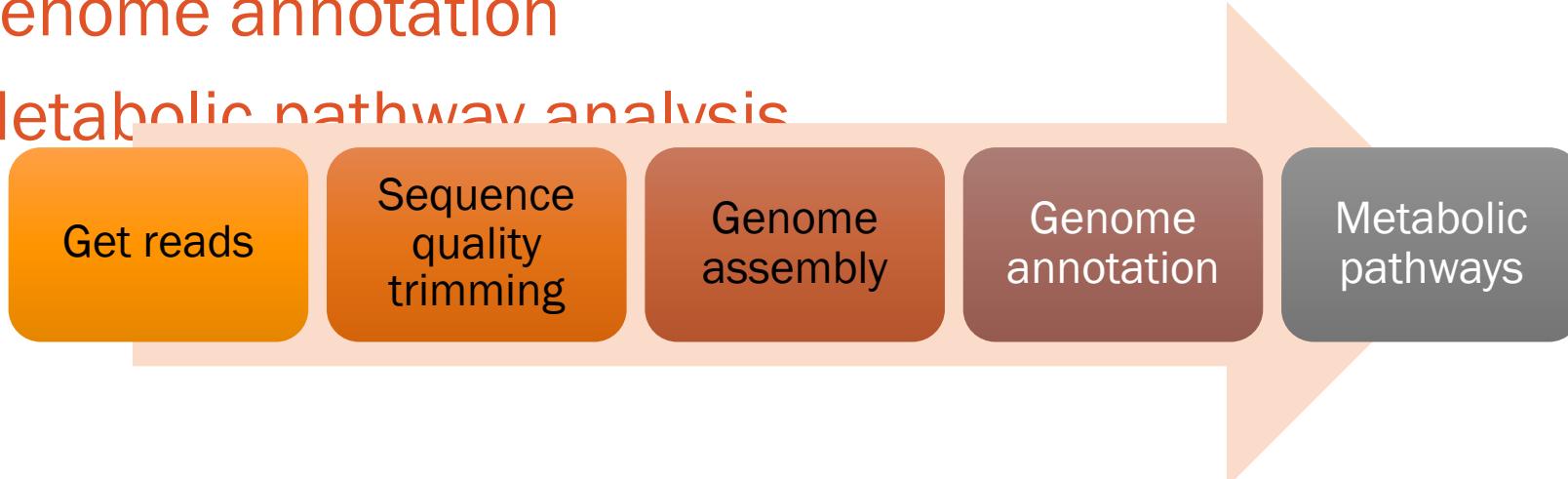
Participants presentation

- Who are you?
- Where are you from?
- What are you working with at the moment?
- Do you have experience with:
 - Metagenomics
 - Bioinformatics
- Do you have metagenomic data you want to analyse?



Course outline

- Day 1: Basics of UNIX and working with the command line
- Day 2: Handling of Illumina data
- Day 3: Genome assembly
- Day 4: Check-up and report
- Day 5: Genome annotation
- Day 6: Metabolic pathway analysis



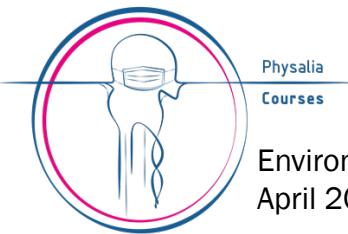
Physalia
Courses

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Practical information

- The course will take place online (Zoom) from **9 AM to 4 PM (CET)**
- Amazon Cloud service
 - See e-mail and Slack for information on how to connect
 - Everyone has a user/folder
 - E.g. /home/user2 (Lucie Malard)
 - Raw data is already there
 - /home/ubuntu/Share
 - Everything is installed (conda)
 - /home/ubuntu/miniconda3
 - /home/ubuntu/megan



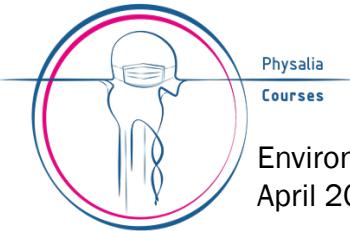
Practical information

All exercises and presentations can be found in:

https://github.com/karkman/physalia_metagenomics

Clone the GitHub repo inside your user directory in

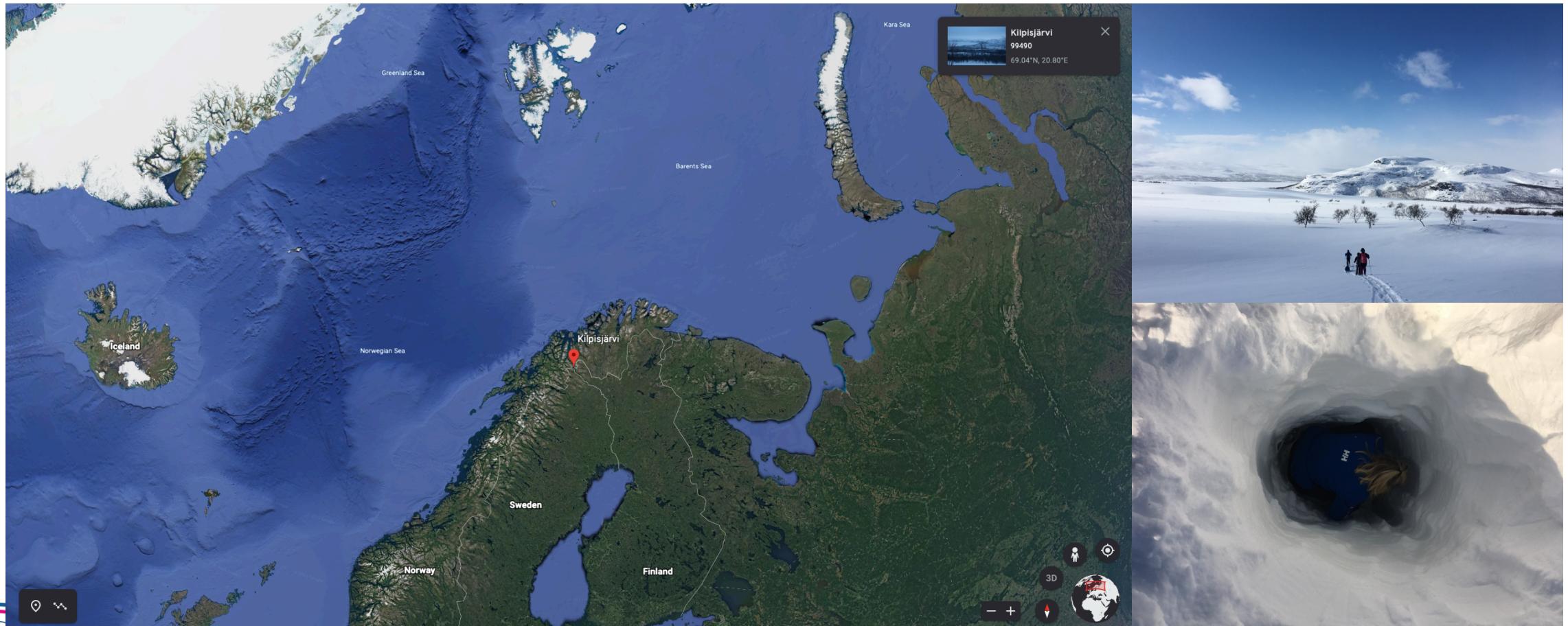
- E.g. /home/user2/physalia_metagenomics



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Samples you will be working with



Samples you will be working with

