

# UPPMAX Introductory Course

Marcus Lundberg

# Practicals

- Ask questions in chat or by making your voice heard
- This will be a short presentation. Practical questions related to hands-on should wait until the hands-on segment starts.

# Day 1

- Instructor: Marcus Lundberg
- Overview of course
- Brief discussion of Linux
- Hands-on: Basic Linux
  - File system, bash commands
- *Lunch*
- Presentation about UPPMAX and HPC
- Hands-on: Basic UPPMAX
  - Slurm, software modules

# Day 2

- Instructor: Douglas Scofield
- Hands-on: more advanced Linux
  - Simple Linux commands
  - Input and output with ‘<’ and ‘>’
  - Combine commands with ‘|’
  - Wildcards
  - Regular expressions
  - Problem solving with Linux tools

# Day 3

- Instructor: Douglas Scofield
- Hands-on: Bash scripts
  - Automating basic command-line tasks
  - If statements and loops in Bash
- *Lunch*
- Instructor: Diana Iușan
- Hands-on: Slurm and job scripts
  - Automate your workflows
  - Allocate resources to get your work done

# Day 4

- Instructor: Pavlin Mitev
- Hands-on: Python I
  - Language fundamentals
- *Lunch*
- Hands-on: Python II
  - Functions and files