



# SOSC 2022 Fourth International School on Open Science Cloud

## Monday, November 28, 2022

### Lectures: Introduction (9:00 AM - 11:00 AM)

time	[id] title	presenter
9:00 AM	[56] Welcome	SPIGA, Daniele SALOMONI, Davide
9:30 AM	[83] Introduction	SALOMONI, Davide
10:00 AM	[68] Building a computing model	BOCCALI, Tommaso

### Lectures: Fundamentals (11:20 AM - 1:00 PM)

time	[id] title	presenter
11:20 AM	[58] How do I manage applications: Containers	SALOMONI, Davide

### Lectures: Fundamentals (2:20 PM - 4:20 PM)

time	[id] title	presenter
2:20 PM	[59] How do I manage my data: Block vs. Object storage	COSTANTINI, Alessandro
3:20 PM	[60] How do I manage my data: Reading and Writing	CIANGOTTINI, Diego

# Tuesday, November 29, 2022

## Lectures: Fundamentals (9:00 AM - 10:50 AM)

time	[id] title	presenter
9:00 AM	[61] Organizing software and actions	COSTANTINI, Alessandro
10:00 AM	[72] Workflow automation: Introduction to Argo Workflows	COSTANTINI, Alessandro

## Lectures: Tools for data handling and processing (11:10 AM - 1:00 PM)

time	[id] title	presenter
11:10 AM	[62] Working with data: Jupyter and Pandas	ANDERLINI, Lucio
12:10 PM	[73] Hands-on: Intruducing the Dataset. Pre-processing, organizing, exploring data	ANDERLINI, Lucio

# Wednesday, November 30, 2022

## Lectures: Machine Learning (9:00 AM - 10:50 AM)

time	[id] title	presenter
9:00 AM	[63] Introduction to Machine Learning	SCRUCCA, Luca

## Lectures: Machine Learning (11:10 AM - 1:10 PM)

time	[id] title	presenter
11:10 AM	[64] Introduction to Machine Learning: Part 2	ANDERLINI, Lucio

# Thursday, December 1, 2022

## Lectures: Workflow Management (9:00 AM - 10:50 AM)

time	[id] title	presenter
9:00 AM	[65] Parallelize and distribute workloads: Workflow management	SPIGA, Daniele

## Lectures: Workflow Management (11:10 AM - 1:00 PM)

time	[id] title	presenter
11:10 AM	[67] How do I distribute my Jupyter: Dask and Spark	CIANGOTTINI, Diego

# Friday, December 2, 2022

## Lectures: Wrap-up (11:30 AM - 12:30 PM)

time	[id] title	presenter
11:30 AM	[84] Opportunities for collaboration	SALOMONI, Davide
12:10 PM	[85] Conclusions	SPIGA, Daniele