

Cloud Native Ocean Data Analysis and Visualisation School

Bologna, 13-17 October 2025

PRELIMINARY AGENDA

DAY	Mon	Tue	Wed	Thu	Fri
TIME	13 Oct 25	14 Oct 25	15 Oct 25	16 Oct 25	17 Oct 25
9.00-10.00		Lecture 4: Introduction to the Pangeo Ecosystem (Richard Signell, Open Science Computing LLC)	Lecture 8: Holoviz: dynamic, interactive visualization of array data in the browser (Richard Signell, Open Science Computing LLC)	Lecture 10: Advanced Xarray with Dask (Richard Signell, Open Science Computing LLC)	Presentation of students assignments/discussion and impact assessment
10.00-11.00		Lecture 5: Xarray: work effectively with large multidimensional array data (Richard Signell, Open Science Computing LLC)	Lecture 9: Dask: parallelizing your work (Richard Signell, Open Science Computing LLC)	Lecture 11: Icechunk: working with forecast model output (Richard Signell, Open Science Computing LLC)	
11.00-11.30		Coffee Break			
11.30-12.30		Hands-on session	Hands-on session	Hands-on session	Wrap-up session
12.45-13.45	Lunch Break				

14.00 - 15.00	Lecture 1: Introduction to GlobalCoast (Giovanni Coppini, CMCC) Lecture 2: EGI's Advancing computing for Research (Giuseppe La Rocca, EGI) Lecture 3: Introduction to ProtoCoast (Paola Nassisi, CMCC)	Lecture 6: Writing Python code: Jupyterlab, VS Code and LLMs (Richard Signell, Open Science Computing LLC)	Hands-on session	Hands-on session	
15.00- 16.00	Lecture 3: SURF on the Edito-Infra (Francesco Trotta, CMCC)	Lecture 7: Data Access: files, services and cloud object storage (Richard Signell, Open Science Computing LLC)			
16.00- 16.30	Coffee Break				
16.30- 17.30	Set-up of Cloud accounts and space	Hands-on session	Hands-on session	Hands-on session	