



Coastal Waters Research Synergy Framework

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Co-ReSyF Summer School, 12-14th July 2017

Laboratório Nacional de Engenharia Civil (LNEC), Lisbon, Portugal

@Co_ReSyF #CoReSyFweek

Day 1: Introduction to project & platform/Lectures on Research Applications

Time	Theme/Subject	Presenter/Instructor
09:00	Registration	None
09:10	Welcome	Francisco Sancho
09:20	Summer School learning objectives – Day 1	Rory Scarrott
Session 1.1: Introduction		
09:30	Introduction to the Co-ReSyF project	Miguel Terra-Homem
09:50	Introduction to EO: what is it, plethora of sensors and data, examples of EO applications in general	Steve Emsley
10:30	Q&A	All
Session 1.2: Platform overview		
10:35	Overview of platform: "where's what" <ul style="list-style-type: none"> • Log on • Edit profile account/preferences • Navigate around platform • Access data • Manage data • Existing applications • Edit applications • ... 	Nuno Grosso
11:15	COFFEE BREAK	
11:45	Light hands-on: overview of functionality (cont.) <ul style="list-style-type: none"> • Log on • Edit account/preferences • Navigate around platform • Access data • Manage data • Existing applications • Edit applications • ... 	Nuno Grosso
12:45	Problem-solving: Q&A	All

13:00	LUNCH	
Session 1.3: Co-ReSyF core Research Applications (RAs): The water surface		
14:00	Co-ReSyF RA lecture: Hyper-temporal time series analysis	Rory Scarrott
14:30	Co-ReSyF RA lecture: Vessel detection and oil spill detection	Eirini Politi
15:00	COFFEE BREAK	
Session 1.4: Co-ReSyF core RAs: Below the water surface		
15:30	Co-ReSyF RA lecture: Water quality & benthic classification	Romain Serra
16:15	Co-ReSyF RA lecture: Bathymetry (SAR and optical)	(optical, 20 min) Romain Serra with inputs from LNEC and IH, (SAR, 20 min) Paulo Pinto
17:00	Q&A	All
17:20	Wrap-up Day 1	Rory Scarrott
17:30	End of DAY 1	

Social activity: Location and time TBC

Day 2: Core Research Application hands-on/Exploring platform functionalities in more detail

Time	Theme/Subject	Presenter/Instructor
09:30	What we've covered thus far and today's learning objectives	Rory Scarrott
Session 2.1: Co-ReSyF core RAs: Practical session		
09:45	Co-ReSyF RA lecture and hands-on: Coastal Altimetry	Nadim Dayoub (lecture), Nuno Grosso (hands-on)
10:45	Problem-solving: Q&A	All
11:00	COFFEE BREAK	
Session 2.2: Learn to use the Co-ReSyF platform I: Interrogate and configure		
11:30	Using the Whiteboard to guide you in choosing a RA <i>Demonstration of concept presentation</i>	Steve Emsley
11:45	Data access and adding your own data to the platform	Hervé Caumont
12:15	Use and manage/configure existing processing chains	Nuno Grosso
13:00	LUNCH	
14:00	Problem-solving: Q&A	All
Session 2.3: Learn to use the Co-ReSyF platform II: Develop and deploy		
14:20	Develop your own processing chains, using existing modules	Hervé Caumont
15:30	COFFEE BREAK	
Session 2.4: Learn to use the Co-ReSyF platform III: Producing outputs and publicising them		
16:00	Visualise (and eventually share) your outputs on the platform	Nuno Grosso
16:45	Problem-solving: Q&A	All
17:15	Wrap-up Day 2	Rory Scarrott
17:30	End of DAY 2	

Dinner for all Summer School participants (cost covered by the project): Location & time TBC

Day 3: Individual work on own projects with consortium's support

Time	Theme/Subject	Presenter/Instructor
09:00	What we've covered thus far and today's learning objectives	Rory Scarrott
Session 3.1: Where to from here?		
09:15	The way forward for you as a researcher	Miguel Terra-Homem
09:45	Resources at your disposal (URLs, data portals, reading list, online material, Co-ReSyF technical support, etc.)	Hervé Caumont
Session 3.2: Free-form projects: Applying what you've learned		
10:10	Individual work on own projects, incl. problem-solving (Q&A): <ul style="list-style-type: none"> • Access EO data • Configure modules • Run RA • Assimilate results • ... 	All
11:00	COFFEE BREAK	
11:30	Individual work on own projects, incl. problem-solving (Q&A) (cont.): <ul style="list-style-type: none"> • Access EO data • Configure modules • Run RA • Assimilate results • ... 	All
13:00	LUNCH	
14:00	Individual work on own projects, incl. problem-solving (Q&A) (cont.): <ul style="list-style-type: none"> • Access EO data • Configure modules • Run RA • Assimilate results • ... 	All
15:00	COFFEE BREAK	
15:15	Individual work on own projects, incl. problem-solving (Q&A) (cont.): <ul style="list-style-type: none"> • Access EO data • Configure modules • Run RA • Assimilate results • ... 	All
Session 3.3: Your feedback		
16:20	Online user survey	Rory Scarrott/Abi Cronin
16:40	Summer school feedback	UCC
17:30	Wrap-up Day 3 + Summer School	Rory Scarrott
17:45	End of Summer School (Hurrah!)	

LNEC Campus Map:

The summer school will take place in the Manuel Rocha building (C), marked red in the figure below.

LNEC general contact details

Address:

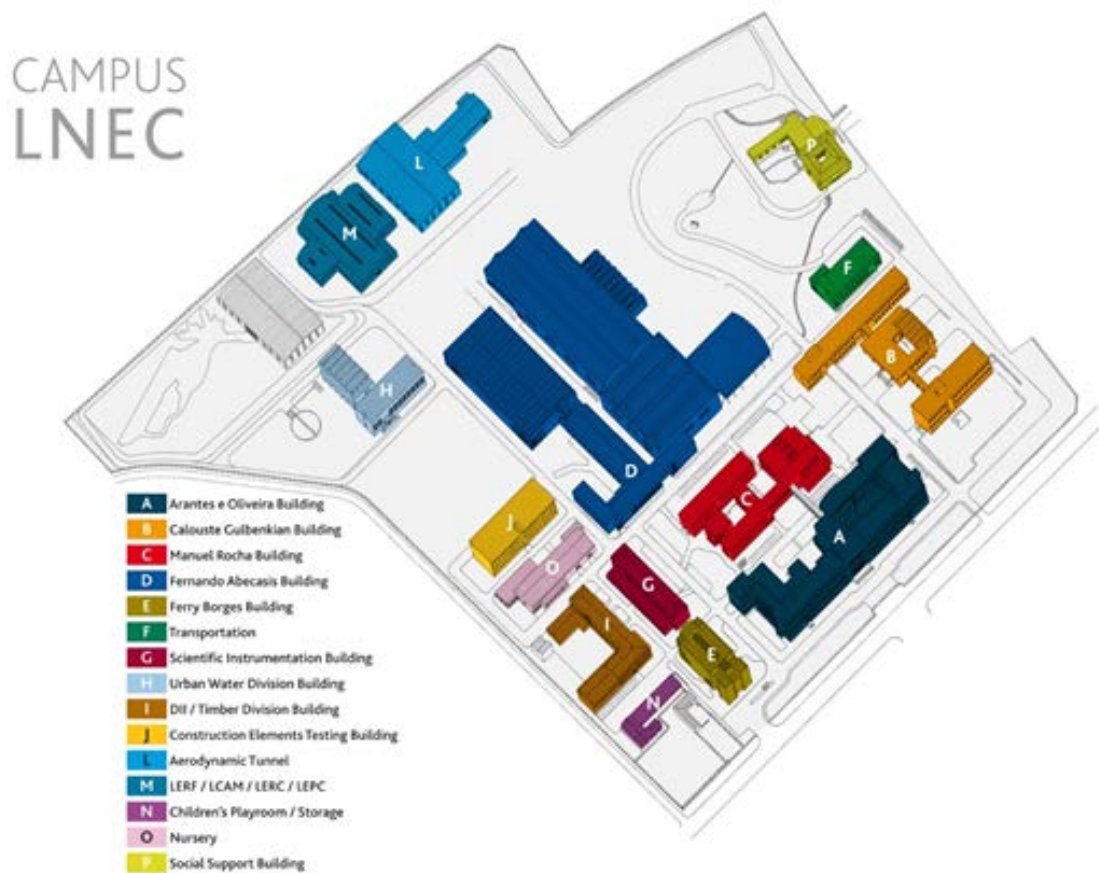
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How to get here

Carris (www.carris.pt) **Bus Service:** 717, 731, 750, 783

Metro Lisboa (www.metrolisboa.pt) – **Alvalade** station

Aeroporto Lisboa (www.ana.pt)

Hotel Location:

Your hotel has been booked close to the LNEC campus for easy accessibility on the day (4-minute drive or 20-minute walk).

Radisson Blu Hotel

Av. Marechal Craveiro Lopes 9

1749-009 LISBOA

PORTUGAL

Tel: +351 210 045 000



Website: <https://www.radissonblu.com/en/hotel-lisbon>

