

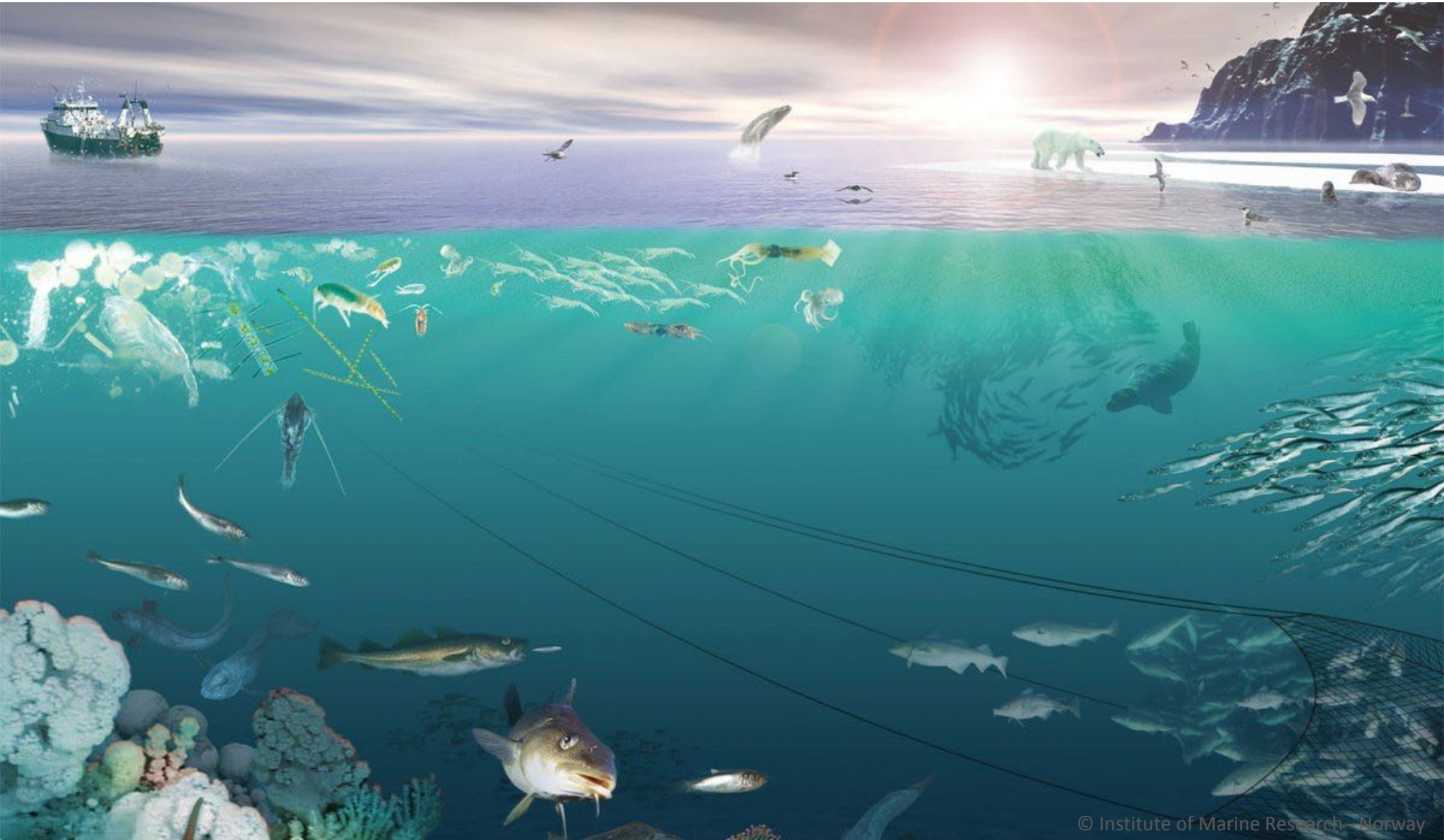
Introduction to the ML4Oceans summer school



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Opportunities to study the oceans using machine learning



Summer school's organisation

Interdisciplinary: Two lectures per day, one from AI experts and one from oceanographers

Target: PhD students and post-docs (22 participants)

	Monday 28th	Tuesday 29th	Wed. 30th	Thursday 1st	Friday 2nd
Morning	Introduction	Genomics	Remote sensing	Plankton imaging	Ecosystem modelling
	Computing environment	Tree-based learning	Neural networks	Transformers	AI-informed physics
Afternoon	<i>Practical sessions</i>	<i>Practical sessions</i>	<i>Practical sessions</i>	<i>Practical sessions</i>	<i>Practical sessions</i>
					

Summer school's speakers/teachers/people



Jean-Olivier Irisson



Christophe Prazuck



Xavier Fresquet



Lucie Bittner



Cédric Jamet



Anastase Charantonis



Matthieu Cord



Hugo Touvron



Sakina Ayata



Patrick Gallinari



Rédouane Lguensat



Nora Roger

Additional speakers (from the private sector)



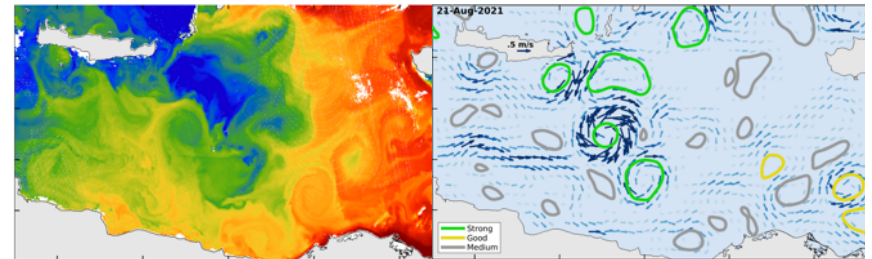
Victor Reutenauer



Alexandre Stegner



Evangelos Moschos



Today's programme

- 9h-9h10: Presentation of the summer school
9h10-10h10: Round table/presentation of each participant (~ 2-3 min)
10h10-11h: Computing environment and connexion tests
11h-11h15: Break
11h15-12h15: Introduction to Python - Part I

12h15-13h45: Lunch break

13h45-14h15: Presentations of the Institute of the Ocean and of SCAI
14h15-15h15: Introduction to Python - Part II
15h15-15h30: Break
15h30-17h: Introduction to Python - Part III

From 17h30: **Social event: Pétanque tournament!**
@ the Arènes de Lutèce, a park nearby the campus.



Potential groups for the practical labs



- Alexandre Barboni / Luis Lau-Medrano
- Laetitia Drago / Raphaël Bajon
- Roy Elhourany / Jie Zhang
- Joseph Jenkins / Thomas Dobbelaere
- Ophélie Meuriot / Qi Zheng
- Pierre Faure--Giovagnoli / Louis Terrats
- Amédée Roy / Perrine Bauchot / Bernabé Moreno
- Louis Serrano / Mamadou Thiam
- Agustin Somacal / Zelu Zhang
- Aishwarya Venkataramanan / Panaiotis Thelma

Presentation in 2-3 minutes:

- ⇒ First name, Last name
- ⇒ PhD candidate or post-doctoral researcher?
- ⇒ Laboratory, City
- ⇒ Academic background
- ⇒ Research topic
- ⇒ Interest for the school