

MOOC Machine Learning in Weather & Climate



TIER 1: ML IN WEATHER & CLIMATE

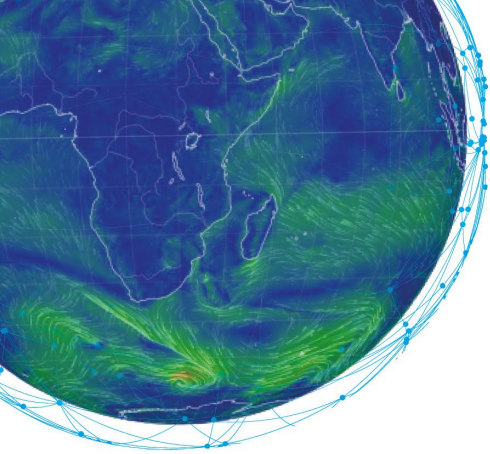
MODULE		DURATION	LAUNCH DATE
Introduction to ML in Weather & Climate		1h30 e-learning 3 webinars	09/01/2023
OPTIONAL MODULES	Observations	1h e-learning	16/01/2023
	Forecast Model	1h30 e-learning 1 webinar	23/01/2023
	Data Assimilation	30mn e-learning	30/01/2023
	Post-Processing	1h e-learning	06/02/2023
	Computing	1h30 e-learning	13/02/2023



TIER 2: CONCEPTS OF MACHINE LEARNING

Introduction to data handling	1h e-learning 1 webinar	20/02/2023
Regression and decision trees	1h e-learning 1 webinar	27/02/2023
Deep learning architectures	1h e-learning 1 webinar	06/03/2023
Uncertainty & generative modelling	1h e-learning 1 webinar	13/03/2023

TRAINING PROGRAMME



MOOC Machine Learning in Weather & Climate

Physics-Guided Machine Learning	1h e-learning 1 webinar	20/03/2023
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TRAINING PROGRAMME



TIER 3: PRACTICAL ML APPLICATIONS IN WEATHER & CLIMATE

SPECIALISATION OPTIONAL MODULES	Observations	2h e-learning Meet the Expert Webinar	27/03/2023
	Forecast Model	2h e-learning Meet the Expert Webinar	
	Data Assimilation	1h e-learning Meet the Expert Webinar	03/04/2023
	Post-Processing	45 min e-learning Meet the Expert Webinar	
	Ocean & Climate	1h e-learning Meet the Expert Webinar	10/04/2023
	Operational Meteorology	30mn e-learning	