

REALISTIC (GA N° 101086690)

Deliverable N°: D2.3

Title: Training plan for the REALISTIC team

Project Reference N°	101086690
Project acronym	REALISTIC
Project full name	centRe of Excellence in Aerosol remote sensing technology and Science in The Indian oCean
H2020 call	HORIZON-WIDERA-2022-TALENTS-01
Project coordinator	Valentin Duflot
EC project officer	David Monteiro
Project website	https://lacy.univ-reunion.fr/activites/programmes-de-recherche/realistic
Deliverable N°	D2.3
Deliverable title	Training plan for the REALISTIC team
Dissemination level	Public
Contractual delivery date	31/01/2024
Actual delivery date	31/01/2024

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Project abstract:

The overarching goal of REALISTIC is to develop a Centre of Excellence in aerosol remote sensing technology and science in the Indian Ocean, through the creation of a Chair, with La Réunion, a European Outermost region, as a strategic pivot point of the European Research Area. REALISTIC aims at attracting and maintaining a high-profile researcher (ERA Chair holder) to lead a high profile supporting team with excellent research and technical capabilities in the aerosol remote sensing domain. In particular, specific applications and research endeavours will be conducted in the area of quantifying the impact of wildfire and volcanic emissions on the tropical atmosphere composition and on the Earth-Atmosphere radiative balance. REALISTIC is designed to catalyse and maximise the impact of the ERA Chair in order to raise the research, technical and innovation excellence of the Laboratory of Atmosphere and Cyclones (LACy), the Observatory of Atmospheric Physics of La Réunion (OPAR), the Observatory of the Universe Sciences of La Réunion (OSU-R), and the University of La Réunion (UR) to a level that makes them unique and essential references in the local R&I ecosystem, at the Indian Ocean-level as well as to the overall international community, and thus filling the R&I gap on atmospheric systems. REALISTIC will contribute to better integrate UR within the European Research Area, and better align with European standards and priorities.

Last modified: 31-01-2023

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Funded by
the European Union



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TRAINING PLAN FOR THE REALISTIC TEAM

The REALISTIC team is composed of the ERA Chair holder (Michaël Sicard), 2 researchers of LACy (the Project Coordinator, Valentin Duflot, and Nelson Bègue), 1 Project Manager (Camille Bonnet), 1 Research Engineer, 1 Post-doctoral fellow, and 2 PhDs. First PhD is Dominique Gantois.

We give in the table here below the training sessions accomplished and foreseen for each member of the REALISTIC team in order to give them the tools needed to complete their actions.

For the time being, the ERA Chair holder, the project coordinator, the associated researcher, the project manager and the PhD student #1 are known and/or have been hired; for the other members of the team (PhD student #2, PostDoc fellow, and research engineer), the training plan given in the following may be revised in the future based on their competences and capabilities at the time of their employment.

Furthermore, the table here below does not take into account exceptional training sessions that could pop up during the duration of the project.

Some acronyms are used in the following tables, in order to facilitate understanding a list of acronyms is available at the end of the deliverable.

I. BEGUE NELSON, RESEARCHER

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
BEGUE Nelson	Researcher	FLEXPART, provided by LPC2E	03-19 Oct. 2023
		Conference SSIRC, provided by SPARC	20-22 April 2024
		MOSS, provided by LACy and REALISTIC's Teams	18 -22 Nov. 2024
		FLEXPART annual improvement training, provided by LPC2E	2024-2025-2026
		Training of the use of global models (ex. WACCM-CARMA)	2025

II. BONNET CAMILLE, PROJECT MANAGER

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
BONNET Camille	Project manager	Horizon Implementation Day: Grant Agreement Preparation in Horizon Europe provided by European Commission, Department Research & Innovation	17 October 2023
		Horizon Implementation Day: Grant Management in Horizon Europe provided by European Commission, Department Research & Innovation	24 October 2023
		Excel training, provided by Université de la Réunion	09-10 November 2023
		Open4Research for Université de la Réunion - Online training on the tool provided by Open4Research	01 December 2023
		HORIZON-MSCA-SE-2023 Info Session provided by the European Commission	08 December 2023
		Lump sum budgeting – How to prepare the mandatory detailed budget table? provided by Europa Media Training	29 January 2024
		Horizon Europe personnel cost calculation – The step-by-step approach! provided by Europa Media Training	30 January 2024
		Typical mistakes in the periodic financial report – How to get your partners prepared? provided by Europa Media Training	31 January 2024
		Top tips for submitting proposals under Horizon Europe in 2024, provided by Europa Media Training	01 February 2024
		Section 2.2 Communication and Dissemination - How to tailor an effective dissemination and communication plan? provided by Europa Media Training	02 February 2024
		Website communication tools	2024-2025
		Training sessions dedicated to Horizon Europe project management that could pop up during the duration of the project.	2023-2027
		Training sessions dedicated to Horizon Europe's calls for proposals that could pop up during the duration of the project.	2023-2027
		Training sessions on setting up European Projects for Université de la Réunion, provided by NEXA (La Réunion's Regional Agency for Development, Investment and Innovation)	2024-2027

III. DUFLOT VALENTIN, PROJECT COORDINATOR

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
DUFLOT Valentin	Project coordinator	Training sessions dedicated to Horizon Europe project coordination and management that could pop up during the duration of the project.	2024-2027

IV. GANTOIS DOMINIQUE, PhD STUDENT #1

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
GANTOIS Dominique	PhD Student #1	EarthCARE Pre-launch workshop	13-17 Nov. 2023
		ACTRIS Science Week	13-16 May 2024
		MOSS, provided by LACy and REALISTIC's Teams	18 -22 Nov. 2024
		Secondment at UPC	2025
		ELC 2025	10-12 Sept 2025
		ILRC 2026	2026

V. SICARD MICHAËL, ERA CHAIR HOLDER

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
SICARD Michaël	ERA Chair holder	EarthCARE Pre-launch workshop	13-17 Nov. 2023
		Open4Research for Université de la Réunion - Online training on the tool provided by Open4Research	01 December 2023
		ESA science workshops dedicated to EarthCARE project that could pop up during the duration of the project	2024 until satellite decommissioning
		Training sessions on setting up European Projects for Université de la Réunion, provided by NEXA (La Réunion's Regional Agency for Development, Investment and Innovation)	2024-2027
		ILRC 2024	23-28 June 2024
		ELC 2025	10-12 Sept 2025
		ILRC 2026	2026



VI. PHD STUDENT #2, TO BE RECRUITED

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
xxx	PhD Student #2	MOSS, provided by LACy and REALISTIC's Teams	18 -22 Nov. 2024
		Lagrangian trajectory model training (stay at LPC2E/NILU)	2025
		Radiative transfer simulations training (stay at CNRM)	2025
		ELC 2025	10-12 Sept 2025
		Secondment at UPC	2026
		ILRC 2026	2026
		Conference to be determined in 2027	2027

VII. POST-DOC FELLOW, TO BE RECRUITED

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
xxx	PostDoc fellow	MOSS, provided by LACy and REALISTIC's Teams	18 -22 Nov. 2024
		Meso-scale simulations training (stay at CNRM or LAERO)	2025
		ELC 2025	10-12 Sept 2025
		ILRC 2026	2026

VIII. RESEARCH ENGINEER, TO BE RECRUITED

NAME	POSITION	TRAINING ACCOMPLISHED AND FORESEEN	TIMING
xxx	Research Engineer	NetCDF training at OPAR	2025
		Training on CF norms and thesaurus. Could be at the ACTRIS-FR annual event	2025
		Python training (beginner, intermediate or advanced, according to the Research engineer's profile)	2025-2026
		Training on AERIS's tools. Could be at the ACTRIS-FR or AERIS annual event.	2025-2026

LIST OF ACRONYMS

ACTRIS	ACTRIS is the pan-European research infrastructure producing high-quality data and information on short-lived atmospheric constituents and on the processes leading to the variability of these constituents in natural and controlled atmospheres
ACTRIS FR	French component of ACTRIS for the observation and exploration of aerosols, clouds and reactive gases and their interactions.
AERIS	Atmosphere Data and Services Centre that federates (French) national data management activities and atmospheric science expertise.
CNRM	(French) National Centre for Meteorological Research, Toulouse, France
ELC	European Lidar Conference
ESA	European Space Agency
FLEXPART	The FLEXible PARTicle dispersion model is a Lagrangian Particle Dispersion Model used to simulate air parcel trajectories.
ILRC	International Lidar Radar Conference. The still hypothetical organization of ILRC2026 in Reunion Island is a Milestone of REALISTIC (<i>Milestone #11</i>).
LAERO	Laboratoire d'Aérodologie, Toulouse, France
LACY	Laboratoire de l'Atmosphère et des Cyclones, La Réunion Island
LPC2E	Laboratoire de Physique et de Chimie de l'Environnement et de l'Espace, Orléans, France
OPAR	Observatoire de Physique de l'Atmosphère de la Réunion, La Réunion Island
MOSS	Refers to the "Maïdo Observatory Summer School" that will be held in Réunion Island in 2024 and which is a Milestone of REALISTIC (<i>Milestone #12</i>)
NEXA	Regional Agency for Development, Investment and Innovation, La Réunion Island
NILU	Norwegian Institute for Air Research, Oslo, Norway
UPC	Universitat Politècnica de Catalunya, Barcelona, Spain
WACCM-CARMA	WACCM is NCAR's atmospheric high-altitude model. CARMA is Brian Toon's aerosol microphysical sectional model