

# REALISTIC (GA N° 101086690)

## Deliverable N°: D1.2

### Title: Plan for the dissemination and exploitation including communication activities

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Project website	<a href="https://lacy.univ-reunion.fr/activites/programmes-de-recherche/realistic">https://lacy.univ-reunion.fr/activites/programmes-de-recherche/realistic</a>
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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.

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## 1. INTRODUCTION

Dissemination, exploitation and communication activities are of paramount importance to the REALISTIC project in order to maximize its impact and ensure the sustainability of the project's future. The overall goal of the project's dissemination/exploitation/communication strategy is to ensure construction of an excellent research team and guarantee the use and highlight of the large amount of atmospheric data collected at La Réunion with the relevant users and stakeholders. This is vital to ensure that the solutions proposed in the project for the valorization of the national and international infrastructures in La Réunion effectively take place and are recognized at national and European levels to endorse the consolidation in the future of the new research team, at least part of it.

Dissemination in REALISTIC implementation will be strongly supported by the communication offices in UR and UPC to echo as much as possible the project's results at French, Spanish, and international levels.

This document is the first version (D1.2) of the Plan for dissemination and exploitation of the REALISTIC project and is a part of WP1 – Project Management. This first plan describes the main communication, dissemination and exploitation aspects that will be put into practice for the next five years of the project.

## 2. DEFINITIONS AND OVERALL STRATEGY

The definitions used in this document are reported from the Horizon Europe reference terms<sup>1</sup>:

- **Dissemination:** the sharing of research results with the scientific community, commercial players, civil society and policymakers.
- **Exploitation:** actions taken for the use of the project results for commercial purposes, to tackle societal problems or in policymaking.

The overall strategy (target, key message and activities) for communications, dissemination and exploitation for the REALISTIC project is included in the next table. The target audience diagram is shown in the Figure that follows. General comments about the targets listed in the Table:

**Local research ecosystem** is LACy, OPAR, OSU-R and UR, with whom the ERA Team will have a close relationship on a daily basis, are naturally the first audience to which results, in particular scientific results, will be reported.

**UPC:** REALISTIC being a joint application UR-UPC, UPC will also be a priority audience to which research and institutional endeavours of REALISTIC will be communicated.

**The international scientific community:** in the field of aerosol sciences worldwide, and specifically in the SH.

**Academic world:** students, faculties but also administrative staff at both UR and UPC, and ultimately in other universities of the EU outermost regions.

**R&I actors:** in both fields of environment and aerosol sciences.

**Environmental stakeholders:** air quality agencies, meteorological agencies, space agencies (EUMETSAT, ESA; NASA; JAXA, etc.).

**Policy makers:** at regional (La Réunion), French, Spanish and EU level.

**Public at large:** citizens from La Réunion; world.

Target	In detail	Key message	Activity
<b>Local research ecosystem</b>	LACy, OPAR, OSU-R	Use of transversal capacities, resource sharing and competence raising	Communication, Dissemination
<b>UPC</b>	UPC partner	Circulation of knowledge between both universities at research and institutional level	Communication, Dissemination
<b>The international scientific community</b>	Worldwide, but especially from the southern hemisphere	UR belongs to networks of excellence and has close partnerships with world-leading research institutions. UR has the capacity to lead major R&D projects, to create and to foster the conditions for innovative actors to flourish	Communication, Dissemination, Exploitation
<b>Academic world</b>	Students, faculties but also administrative staff at both UR and UPC	The way towards a more efficient, more competitive and more successful university	Communication, Dissemination
<b>R&amp;I actors</b>	In both fields of environment and aerosol sciences	UR is a key player in the field of atmospheric composition and dynamics in the SH and has strong skills related to the observation of	Communication, Dissemination, Exploitation

<sup>1</sup> [https://rea.ec.europa.eu/horizon-europe-dissemination-and-exploitation\\_en](https://rea.ec.europa.eu/horizon-europe-dissemination-and-exploitation_en)

		atmospheric aerosols. The associated R&I sector in La Réunion can develop and spread innovative solutions regionally	
<b>Environmental stakeholders</b>	Air quality agencies, meteorological agencies, space agencies	Collaborations are possible to improve air quality monitoring and forecast in La Réunion	Communication, Dissemination, Exploitation
<b>Policy makers</b>	at regional (La Réunion), French, Spanish and EU level	La Réunion is a climate laboratory because of its moderately clean atmosphere and should be considered a pioneer remote area where to focus on climate change predictions and their uncertainties	Communication, Exploitation
<b>Public at large</b>	citizens from La Réunion; world	Create awareness about climate change, the specific location and strategic resources of La Réunion	Communication

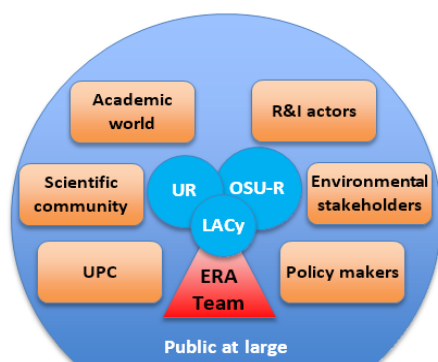


Figure: Target audience diagram

### 3. COMMUNICATION PLAN

*Promote REALISTIC actions and results*

The compilation of the visual identity of the project is fundamental for the project dissemination, as it is highly recommended to use the professional corporate design in all material produced within the project to support an effect of recognition. The corporate identity includes: logo, website, templates of word and powerpoint documents.

#### REALISTIC logo

The project logo was designed by UR. This graphical identity is already incorporated in the designed templates for presentations and text documents (e.g. deliverables, reports, minutes of meetings), as well as in the project website.

#### Website

The project website <https://lacy.univ-reunion.fr/activites/programmes-de-recherche/realistic/> has been created. It will be maintained and regularly updated to:

- include a project summary, the project objectives and information about the project (work packages, expected impact, etc).
- report on on-going and finished events with REALISTIC participants.
- host the project's publications for the scientific community.
- include links to related research activities and projects.
- provide contact information for the Project Coordinator and Project Communication Manager.

#### Templates

All partners are familiar with the use of document templates. In order to harmonize the graphical aspects of all produced online and print material, word templates for project deliverables, progress reports and templates for power point presentations have been created and made available in the project document repository tool. All templates are consequently used by all consortium members.

In accordance to art 17.2 of the grant agreement, any communication and dissemination activities, material and publications in the project, including the project website will 1) display the EU emblem and 2) include the following text "Funded by the European Union". When displayed together with another logo, the EU emblem will have appropriate prominence. The statement and the EU emblem are included in all project templates created (website, word and powerpoint documents, newsletter, deliverables publicly available, etc.).

In addition, any communication activity related to the action must indicate that it reflects only the author's view and that the European Commission and European Union are not responsible for any use that may be made of the information it contains.

### Policy brief

A policy brief, output of "Regional science-policy dialogue workshop" (Milestone 9 due on M54), will be written and spread towards the end of the project.

### Specific communication activities

A few communication activities, already designed in the grant agreement, are of special importance for the success of the project.

Project output	Due	Description	Target
D2.2	M12	Minutes of the trans-disciplinary workshop with OSU-R labs	Local research ecosystem
D4.1	M16	"Women in Science" Promotional material	Public at large
D2.5	M54	5x Minutes of the trans-team meetings with LACy	Local research ecosystem
Milestone 1, 2 and 3	M4, M36, M54	3x Realistic meetings (2023, 2025, 2027)	UPC; The international scientific community
Milestone 10	M46	2026 NDACC conference organization in La Réunion	The international scientific community; R&I actors
Milestone 11	M42	2026 ILRC conference organization in La Réunion	The international scientific community; R&I actors

## 4. DISSEMINATION PLAN

### Make REALISTIC results public

All public results will be accessible from the project website and usable by all parties who may benefit from them to maximize the impact of the project. The data used to reach the results just mentioned will be stored in a specific database (see more details about the data management plan in the Deliverable D5.2).

In order to create visibility for REALISTIC achievements and to ensure knowledge spillover and access to a broader public, we will use a broad variety of different dissemination channels:

### Scientific publications in peer-reviewed journals (gold or green open access)

Each partner must ensure open access (free-of-charge online access for any user) to all peer-reviewed scientific publications related to its results. To learn how to publish in open access the partners may consult the Grant Agreement rules art. 17. Rules for joint publications are set in the Consortium Agreement art. 8.4.

The consortium has identified preliminary journals that will be targeted within the project: Remote Sensing of the Environment (JCR 2020 IF: 10,164); Atmospheric Chemistry and Physics (JCR 2020 IF: 6,133); Atmospheric Research (JCR 2020 IF: 5,369); Atmospheric Environment (JCR 2020 IF: 4,798); Journal of Geophysical Research (JCR 2020 IF: 4,261).

To increase the impact of the project results, the REALISTIC partner, UPC, has published (or at least submitted) since the installation of the ERA Chair at LACy (i.e. past 1 Dec. 2022) different scientific peer-reviewed publications with acknowledgments to the project.

### Conferences

Results of the projects will be presented to key conferences in the field of aerosol sciences: International Laser Radar Conference (ILRC) held every two years; European Lidar Conference (ELC) held every two years in Europe; International Radiation Conference (IRS) held every two years; European Geophysical Union (EGU) held every year in Europe; SPIE Remote Sensing held every year in Europe; International Aerosol Conference (IAC) held every two years; International Geoscience and Remote Sensing Symposium (IGARSS) held every year. An effort will be made to look for conferences organized in the southern hemisphere.



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Let's note the milestones 10 and 11 of the project dedicated to the organization by the ERA Chair team at La Réunion of the 2026 NDACC (50 participants, M46) and ILRC (300 participants, M42) conferences.

### Seminars

Four training seminars (D3.2) given at UR by research staff from UPC will be organized during the life time of the project. These seminars will focus on lidar techniques, lidar inversion algorithms and application to radiative transfer modelling. They should be given by four different researchers from UPC.

Three more institutional seminars are also planned in the project: (D5.3) UPC→UR in-person seminar about Data management; (D4.2) UPC→UR in-person seminar about UPC "support to research" office; (D4.3) UPC→UR in-person seminar about European Research Area standards and principles and gender-related capacities. These seminars will be given by administrative staff from the office "Support to Research" from UPC. Researchers and administrative staff from UR will be the targeted audience.

Two other types of seminars are foreseen during the life time of REALISTIC:

(D5.4 due on M24) A dedicated seminar directed to the SWIO research community + Invitation of a keynote speaker to study the possibilities of, and foster the bridging La Réunion researchers on atmospheric aerosols with SWIO researchers (e.g. South Africa) with EU dynamics. Invitation to La Réunion of world-class researchers to give a magistral talk on atmospheric aerosols and their impact on climate, from the IPCC panel (possible candidates with whom the ERA chair candidate has been or is in contact: Paulo Artuxo/Brasil, Paul Ginoux/USA, Angela Benedetti/UK, Michael Schulz/Norway, Dave Winker /USA) and/or EU grant holders (possible candidates with whom the ERA chair candidate has been or is in contact: Bernadett Weinzierl/A-LIFE ERC, Maria Jose Granados-Muñoz/CONDENSATION MSCA-IF, Daniel Pérez/GRASP-ACE MSCA RISE).

(Milestone 8 due on M52) Regional knowledge transfer seminar in order to translate the scientific results of the project into knowledge and know-how for local stakeholders and help identify new businesses (through the participation of the federation of the industrial companies of La Réunion - ADIR - , the business cluster for Energy - Temergie -, the regional innovative business Incubator, as well as local start-ups such as Reuniwatt, which is dedicated to solar radiation & cloud cover forecasting) and social opportunities (thanks to the participation of PIROI, a CSO dedicated to citizens protection against risks).

### Workshops

Two medium-size workshops are planned in the second half of the project:

(D5.5 due on M36) Workshop with stakeholders from the outermost EU regions. Capitalizing on the H2020-Forward project which gathers 24 R&I institutions from the 9 European Outermost regions and the relationships of the ERA chair candidate with the AEMET (the Spanish Met Office) based in the Canary Islands, UR will organize one "ERA Chair" best practice online workshop with stakeholders from the Azores, the Canarias, Madeira, French Guiana, Guadeloupe, Martinique, Mayotte and St Martin.

(Milestone 9 due on M54) Regional science-policy dialogue workshop. In line with the RIS3 implementation, UR, supported by the regional agency Nexa, will set up a workshop bringing together partners of the project and regional policy-makers to present and discuss the results and identify how they could contribute to the regional resilience strategy as well as the R&I policies, notably regarding the issue of the synergy ERA/S3 - ESIF/Horizon Europe. The conclusions of such a workshop will be translated into a policy brief.

### Summer school

A summer school is foreseen towards the end of the project. It corresponds to the milestone 12 (due on M48): summer school on aerosol science at La Réunion. The ERA Chair team will organize a "Fire-induced aerosol and trace gases" summer school at UR for the southern hemisphere community. World-class lecturers from La Réunion, South America, Africa and Australia will be invited to give the talks. A number of ~25 attendees is targeted.

### Databases

Data collected throughout the REALISTIC project will be made publicly available (open science), as stated in the REALISTIC Data Management Plan (Deliverable D5.2). The AERIS data portal (<https://en.aeris-data.fr/>) will be used to increase the visibility and accessibility of the REALISTIC scientific data.

In the next Table the summary of the dissemination activities planned during REALISTIC relates the dissemination type to the target audience.

Type	Project output	Due	Description	Target
☞ ☞ ☞	D3.2	M20	4x UPC→UR in-person formation and/or training seminars	Local research ecosystem; The



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				international scientific community
	D5.3	M9	UPC→UR seminar about Data management	Local research ecosystem; Academic world
	D4.2	M24	UPC→UR in-person seminar about UPC "support to research" office	Local research ecosystem; Academic world
	D4.3	M36	UPC→UR in-person seminar about European Research Area standards and principles and gender-related capacities	Local research ecosystem; Academic world
	D5.4	M24	Seminar directed to the SWIO research community	Local research ecosystem; The international scientific community
	M8	M52	Regional knowledge transfer seminar	R&I actors; Policy makers
Workshop	D5.5	M36	Workshop with stakeholders from the outermost EU regions	The international scientific community; Environmental stakeholders
	M9	M54	Regional science-policy dialogue workshop	R&I actors; Environmental stakeholders; Policy makers
Summer school	M12	M48	Summer school on aerosol science at La Réunion	Local research ecosystem; The international scientific community

## 5. EXPLOITATION PLAN

### *Make use of REALISTIC results*

Exploitation actions focus on making concrete use of project results for commercial, institutional, societal and/or political purposes. Specifically in REALISTIC, the exploitation is rather targeting the institution, UR, but it could also reach societal and political levels. No commercial purpose of the project is foreseen.

The exploitation plan aims at fostering the uptake of the project scientific results by the atmospheric science community (targeting researchers), and of the project's institutional impact by the ERA Chair institution, UR, and policymakers of La Réunion. The exploitation measures will be planned from the beginning, but will take more importance towards the end of the project (even beyond the funding period) and as soon as REALISTIC produces results that are exploitable.

#### **At research level**

The research led by the new ERA Chair team will yield methodologies and results replicable by the atmospheric science community.

#### **At institutional level**

First, the project's pathway towards impact will set up the effectiveness, visibility and sustainability of the pocket of excellence created in La Réunion. Second, and building on the spill-over effects of this pocket of excellence acting as a lever, the outreach and dissemination activities planned at the local, regional and international scales will benefit UR and collaborative institutions to overcome intersectoral barriers and deepen their connection with the ERA standards and priorities, contributing to spread the European Research Area vision over the whole EU and beyond.

A couple of deliverables are in direct relation with the exploitation at institutional level:

D4.3 (due on M36) Report on seminars related to European Research Area standards and principles and gender-related capacities

D4.4 (due on M48) UR Strategic ERA Alignment Plan and Support Framework

#### **At societal/political level**

Towards the very end of the project (M56) a workshop, in line with the RIS3 implementation, should take place in form of a Regional Science-Policy Dialogue bringing together partners of the project and regional policy-makers to present and discuss the REALISTIC project results and identify how they could contribute to the regional climate resilience



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strategy as well as the R&I policies, notably regarding the issue of the synergy ERA/S3 - ESIF/Horizon Europe. The conclusions of such a workshop will be translated into a policy brief (deliverable D4.6).



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