



AIR CENTRE

ATLANTIC INTERNATIONAL RESEARCH CENTRE

WORKSHOP

ON

DISCOVERING EXPLORATORY EO USE-CASES IN THE ATLANTIC

*9th – 10th December at TERINOV – Science and Technology Park
Terceira Island, Azores, Portugal*

The AIR Centre is fostering the development of scientific facilities, namely the Earth Observation (EO) Laboratory in Azores with ESA technical support and among other initiatives to come. Having recognized that small satellites and their sensors can be combined with other data streams to tackle the observation challenges in the Atlantic, and taking advantage of the creation of the AIR Centre's EO Lab in the Azores, this workshop will be strongly contributing to collect, share, discuss, among AIR Centre network stakeholders and invited experts, their current perspectives, efforts, national programmes, near-future endeavors to discover EO use-cases, problem driven towards new EO applications and generation of new services.

Workshop Goals

- Generate ideas for exploratory collaborative projects to be developed and implemented with the involvement of the EO Lab with Atlantic nations within the AIR Center Network;
- Elaborate a preliminary roadmap to investigate the development or utilization of data coming from existing and future low-cost small satellites for the Atlantic nations working together with the AIR Centre's vision towards 2030.

1. Agenda

9th December (Monday)

13:15 Reception

13:30 Welcome

Duarte Pimentel, Executive Director TERINOV

13:40 Opening Remarks

Bruno Pacheco, Regional Director for Science and Technology

José Joaquín Hernández Brito, CEO, AIR Centre

13:50 ESA Downstream initiatives in Europe and ESA_Lab@HEC Paris

Donatella Poziani, ESA (recorded)

14:05 Introduction to AIR Centre Earth Observation Lab in the Azores

Pedro Freire da Silva, Director of EO ESA_Lab@Azores

Session I

14:20 Space Technologies for Sustainable Development

Ricardo Conde, Member of the Board of Directors: Portugal Space

14:40 Priorities in EO and potential for collaboration in South Africa

Stewart Bernard, CSIR, South Africa

15:00 Climate Change and EO Applications needs in Nigeria

Asma Ibrahim , NASRDA, Nigeria

15:20 Opportunities for collaboration through sustainability certifications in fisheries

Isa Elegbede, University of Lagos/ Brandenburg University of Technology, Nigeria

Promising lines of for collaboration in AIR Centre

Nick Veck, Catapult, UK

15:40 Coffee Break

Session II

16:10 ESA Earth Observation Atlantic Regional Initiative

Stefano Ferretti, ESA

16:30 Earth Observation in the Southwestern-South Atlantic

Milton Kampel, Earth Observation – INPE, Brazil

16:50 How extreme weather disasters affect food security

Teresa Brás, Universidade Nova de Lisboa, Portugal

17:10 The Role of Space Technology to Support Sustainable Development

Gregory Jenkins, Penn State University (videoconference)

17:30 *Opportunities of Collaboration in Innovative low-cost, easy to deploy ocean tools*

Jennifer Szlosek Chow, MIT Media Lab

18:00 Wrap-up and Closing Remarks

18:30 *Cocktail and networking*

20:00 *Dinner with all participants*

10th December (Tuesday)

Session I

9:30 *Tackling EO challenges: the case of small satellites constellation*

Presentation by André Oliveira, CoLab +Atlantic

9:45 *Brainstorming about on AIR Centre for ideas generation for exploratory projects .*

Questions focused on user needs by moderator.

Moderator(s): Pedro Freire da Silva, EO ESA_Lab@Azores

Nuno Lourenço, CoLab+ Atlantic

Session II

11:15 *Ports of the Future ESA Call*

Presentation by Stefano Ferretti (ESA)

11:30 *Current challenges and opportunities on Açores Ports*

Francisco Bettencourt (Portos dos Açores)

11:45 *Wrap-up*

12:00 *Light lunch offered by AIR Centre and Terinov*

12:45 *Departure to Praia da Vitória Port and end of workshop*