



**LETTER OF INTENT
FOR A JOINT FRAMEWORK
TO PROMOTE INNOVATION, ENTREPRENEURSHIP AND CAPACITY BUILDING
IN THE NEW SPACE SECTOR THROUGH THE DEPLOYMENT OF AN
ALL-ATLANTIC NANOSATELLITE CONSTELLATION**

Victoria Island, Lagos, Nigeria

30 April 2018

Considering the initial commitments expressed in the Terceira Declaration (at the 1st High-level Dialogue on Atlantic Interactions, April 2017, in Terceira, Azores, Portugal) and in the Florianopolis Declaration (at the 2nd High-level Dialogue on Atlantic Interactions, November 2017, in Florianopolis, Santa Catarina, Brazil), over the establishment of the AIR Centre - Atlantic International Research Centre, as an internationally distributed scientific organization across Atlantic countries, in close partnership with scientific and research organizations worldwide;

Bearing in mind the establishment of the Association for the Development of the AIR Centre (AD AIR Centre) as a non-profit association created to promote the research agenda on Atlantic Interactions as an integrative, sustainable and multidisciplinary approach of Space, Oceans, Climate Change and Data Science, through committed processes of scientific diplomacy fostering South-North and North-South cooperation, as expressed in the Praia Declaration (at the 3rd High-level Dialogue on Atlantic Interactions, May 2018, in Praia, Cape Verde), as well as in the collaborative work that followed it and lead the active participation of research organizations and industry amongst Atlantic countries, as expressed in the Las Palmas Declaration (at the 4th High-level Dialogue on Atlantic Interactions, November 2018, in Las Palmas, Canary Island, Spain).



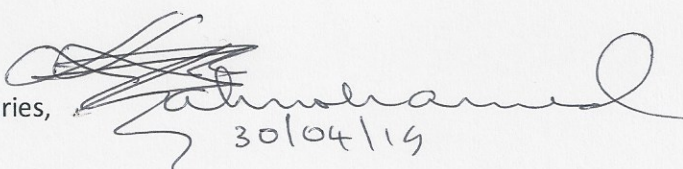
Hereby,

- Recognise that the space sector is undergoing a global disruptive transformation with the launch of constellations of smaller and less expensive satellites in low and medium Earth orbits that reduces the cost of accessing and using space. This transformation, which was triggered by technology breakthroughs in miniaturization, digitalization and novel launch vehicles, is opening the sector for new players, fostering innovative downstream value creation and unintended positive spillovers to consumers and society.
- Recognise the existing potential to substantially grow the New Space innovation ecosystems in all countries bordering the Atlantic region, leveraging existing space assets and promoting new collaborative deployments as a joint opportunity for a wider and more equal participation in innovation, entrepreneurship, economic growth and job creation in the New Space sector.
- Recognise that the AIR Centre may play a role on engaging strategic stakeholders, harmonizing user requirements, collaboratively designing space missions, pooling resources for building, launching and operating satellite constellations, and promoting public and private partnerships to create a competitive All- Atlantic space ecosystem.
- Recognise that the innovation value of a new All-Atlantic Nanosatellite Constellation should be considered with regard to existing and planned space assets and missions, including but not limited to the existing value propositions of the Copernicus programme.



- Recognise that the Blue Economy provides sustainable social and economic benefits for current and future generations, preserving biodiversity and ecosystems and increases productivity and resilience of coastal communities.
- Express their willingness for further engagement, through involvement in technical workshops and working groups, to further development these minimum mission requirements with regard to regional mission impact aims, prioritised sensor payloads and specifications, optimised orbital geometries, possible collaborative ground segments and telemetry/downlink solutions, and collaborative application development.
- Express their support to the AIR Centre and engage in the effort of providing the appropriate information to build a framework to promote innovation, entrepreneurship and capacity building in the New Space sector through the potential deployment of an All-Atlantic nanosatellite constellation with the aims of providing better Earth Observation services and products for the Blue Economy.

Victoria Island, April 30, 2019

The Signatories, 
30/04/19

National Space Research and Development Agency (NASRDA), Nigeria



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ATLANTIC INTERNATIONAL RESEARCH CENTRE

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Regional Government of the Azores

Deimos Portugal, Spain & UK

(on behalf of Small Luper - Deputy CEO)

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Sam Nujoma Marine and Coastal Resources Research Centre, University of Namibia, Namibia

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Atlantic International Research Centre (AIR Centre)