



INTER-AMERICAN INSTITUTE FOR GLOBAL CHANGE RESEARCH

Ref: IAIUYDIR/2022/43

2 December 2022

NOTIFICATION

Subject: Collaboration with the United States National Oceanic and Atmospheric Administration (NOAA)

Dear Madam/Sir,

At the *Americas Conference on Solar Radiation Modification: Science, Governance and Implications for the Region*, which was held at the University of the West Indies in Kingston, Jamaica, from 24 to 25 August 2022*, participants were informed that the United States National Oceanic and Atmospheric Administration (NOAA) has begun baseline studies on the modelling, assessments, observations, and monitoring of stratospheric conditions and the Earth's radiation budget. Studies include observations to understand baseline aerosol conditions in the stratosphere and modelling to simulate and understand the impacts of natural and human-caused aerosol injections, including volcanoes, air and space traffic, and solar climate intervention methods, on Earth's radiation balance, weather and climate patterns, and other Earth systems.

After the ensuing discussion, participants requested the IAI Directorate to communicate with NOAA to seek more information on possible baseline studies and to ask if collaboration under such studies with IAI Parties would be possible.

On 24 October 2022, the IAI Directorate met informally with representatives from the NOAA Chemical Sciences Laboratory and the Climate Program Office to discuss future baseline studies and to invite consideration for collaboration through the IAI.

NOAA informed the Directorate that it is open to possible national or regional collaboration on: a) the design of baseline observational studies to better understand the constraints of existing climate models, b) analyses of the impact of volcanic eruptions or other natural phenomena, c) identification of current activities on solar radiation management, and d) consideration of early warning and monitoring systems related to climate interventions, among other topics. The meeting concluded with a proposal to establish an informal discussion group between NOAA representatives and interested Parties, members of the Scientific Advisory Committee (SAC) and Science-Policy Advisory Committee (SPAC), and partners on possible baseline studies and collaborative activities.

* Information on the meeting, including presentations, is available at:

<https://www.iai.int/en/post/detail/Americas-Conference-on-Solar-Radiation-Modification>

The view was expressed by the Directorate and NOAA that a collaborative regional approach to research could result in greater awareness of and increase institutional understanding and capacity on solar radiation modification.

Interested Parties and members of the SAC and SPAC are invited to contact Ms Soledad Noya at soledad@dir.iaj.int should they wish to join the informal discussion group or require more information.

Please accept, Madam/Sir, the assurances of my highest consideration.

Yours sincerely,



Dr. Marcos Regis da Silva
Executive Director