



#AtlantOS

AtlantOS

**An International Program for Basin-Scale
Observing of the Atlantic Ocean**

Chair – Brad deYoung – Memorial University (Canada)

Steering Committee: M. Visbeck (Germany) | S. Speich, P.Y. Le Traon (France)
J. Snowden (U.S.) | N. P. Holliday (United Kingdom) | T. Lamont (South Africa)
L. Cotrim (Brazil) | I.S. Pinto (Portugal) | M.P. Chidichimo (Argentina)

Coordination Team: S. Ketelhake (Germany) | A. Zinkann (U.S.)





Basin-scale Implementation & Use Case Approach

Carbon Uptake –
Identifying sources
and sinks of carbon

Mitigating Impacts of
Sargassum on Coastal
Communities in the
Tropical Atlantic

Networks to predict
and explain marine
animal movements in a
changing environment



Providing Basin-Scale
Climate Services –
Atlantic Meridional
Ocean Circulation

Supporting Ecosystems
Based Management
for Fisheries in Atlantic
Upwelling Regions

- Improving **international collaboration** in the design, implementation and benefit sharing of ocean observing,
- Promoting **engagement and innovation** in all aspects of ocean observing,
- Facilitating **free and open access** to ocean data and information => **Digital-Twin Ocean**
- Enabling and disseminating methods of achieving **quality and authority** of ocean information,
- Strengthening the Global Ocean Observing System (**GOOS**) and contribute to **GEO Blue Planet Initiative**, **WMO** and other UN actors
- Contributing to the **Galway** and **Belém** Statements on Atlantic Ocean Cooperation

An international programme leading to a comprehensive All-Atlantic Ocean Observing System that benefits all of us living, working and relying on the ocean

- Increased engagement and connection with **national & regional initiatives** e.g. GOOS networks, CIOOS, IOOS, IOC-UNESCO, PIRATA, TAOS, South Atlantic Networks
- **New Governance and implementation** by December 2021
 - *Turnover plan for Steering Committee, Open call for new membership, Regular reporting requirements*
 - *Creation of Engagement Board (May 2022)*
- **Roadmap/Work development – 2022**
- **Communications:** AtlantOS Ocean Hour, Quarterly Newsletter
- **Events:** All-Atlantic 2021 Side Event, DOOS Scoping Workshop, Townhall OSM 2022, All-Atlantic 2022
- Working Groups: Redefining in collaboration with GOOS (2022)

AtlantOS Program
AtlantOS Ocean Hour
- Gliders as part of the basinwide implementation needs -

MEETING INFORMATION
November 2021
15:30 - 16:30 PM UTC
Register: https://atlantosweb.com/external/register/atlantos_oceanhour2021

SPEAKER INFORMATION

 Vitor Turpin Technical Coordinator of Ocean Gliders & Regional Networks, Ocearch	 Lorenzo Morozzi Director of Operations, Process, East	 Dr. Sarah Nicholson Southern Ocean Center & Chief Scientist, CSK South Africa	 Sandra Kneibitz AtlantOS Coordinator, Open Science Hub, University of Bremen, Germany
 Robert Todd Chairman, USAM, The University of Michigan, USA	 Prof. Dr. Scott Chouh Director of Oceanographic Research, Rutgers University, USA	 Prof. Brad Wilby Director of the Centre for Ocean and Atmospheric Science, University of Exeter, UK	 Sandra Kneibitz AtlantOS Coordinator, Open Science Hub, University of Bremen, Germany

AtlantOS Program
AtlantOS Ocean Hour
- Atlantic Meridional Overturning Circulation -

MEETING INFORMATION
April 13, 2022
16:30 - 18:30 PM UTC
Register: https://atlantosweb.com/external/register/atlantos_oceanhour2022

SPEAKER INFORMATION

 Dr. Maria Paz Oudiz Aquatic Scientific Research Centre (CONICET) and University of Buenos Aires, Argentina	 Dr. Ricardo Riquelme Chairman, Oceanographic Research, UK, UK	 Dr. Christopher Lobe Chairman and Director, Oceanographic Research, UK, UK	 Dr. Laura Wilson Vice-Chair, UK, UK
 Dr. James B. Pifer The University of Rhode Island, USA	 Dr. Taron Lippert Department of Earth, Ocean & Atmospheric Sciences, University of Exeter, UK	 Dr. Johannes Kretschmer GFDL, Princeton University, USA	 Dr. Johannes Kretschmer GFDL, Princeton University, USA



- **How can GOOS support AtlantOS?**
 - Enhance communication and coordination
 - Connections to Global Networks – Argo, Ocean Sites, GO-SHIP, Ocean Gliders et al.
 - Support communication with regional networks
 - Support development of guidelines for best practices around working together
 - Clear guidelines on how regional projects and GRA's should collaborate
- **What is missing in the current structure?**
 - Observing side – need to optimise observing system design with regional focus
 - Limited coordination with programs outside the GOOS umbrella
 - Limited integration of data and information services
 - Connections to user communities need strengthening, best achieved through regional and thematic approaches