

**Agenda: A G7 Future of the Seas and Oceans Initiative Event
The Global Biogeochemical-Argo Fleet: Knowledge to Action**

May 4. Introduction to Argo and Biogeochemical Argo

(1400-1600 UTC; 2300-0100 UTC)

Session Chair - Andrea Fassbender, NOAA PMEL

Talks for this session will be given live, recorded, and made available for viewing after the session.

<u>Session 1</u>	<u>Session 2</u>	
1400-1405	2300-2305	Andrea Fassbender, NOAA Pacific Marine Environment Laboratory, USA Welcome
1405-1410	2305-2310	Lisa Clough, National Science Foundation, USA Opening Remarks
1410-1425	2310-2325	Toshio Suga, Japan Agency for Marine-Earth Science and Technology, Japan History, Operation, Use, and Future of the Argo Program
1425-1440	2325-2340	Hervé Claustre, Laboratoire d'Océanographie de Villefranche, France Towards a global and three-dimensional view of oceanic ecosystem functioning
1440-1455	2340-2355	Ken Johnson, Monterey Bay Aquarium Research Institute (MBARI), USA Observing ocean health and ecosystem processes with chemical sensors on floats
1455-1535	2355-2435	Maria Hood, G7 European Office, MERCATOR Ocean, EU Katherine Hill, G7 FSOI Coordination Centre, National Oceanography Center, UK G7 Future of the Seas and Oceans Initiative (FSOI) – 5 minutes G7 FSOI National Focal Points – 5 minutes each, Total 35 minutes
1535-1600	2435-0100	Panel Discussion Including: David Legler, National Oceanic and Atmospheric Administration, USA

May 11. Fisheries and Fisheries Management

(1400-1530 UTC; 2300-2430 UTC)

Session Chair - Cara Wilson, NOAA SWFSC

Talks for this session will be pre-recorded and made available two weeks before the live, panel event. Please submit questions related to these talks in advance of the session. Questions may be submitted via Zoom during the live, panel event.

**Speaker is attending this live session*

<u>Session 1</u>	<u>Session 2</u>	
1400-1405*	2300-2305*	Cara Wilson, NOAA Southwest Fisheries Science Center, USA Fisheries & Fisheries Management and the BGC-Argo Array
1405-1410*	2305-2310	Srinivasa Kumar, Indian National Centre for Ocean Information Services (INCOIS), India INCOIS's Marine Fishery Advisory Services
1410-1415	2310-2315*	Taketoshi Kodama, Fisheries Research and Education Agency (FRA), Japan Understanding bottom-up processes on the recruitment of local fisheries resources
1415-1420	2315-2320*	Mike Seki, NOAA Pacific Islands Fisheries Science Center, USA Advancing Tropical Tuna Fisheries science with BGC-Argo
1420-1425*	2320-2425*	Charles Stock, NOAA Geophysical Fluid Dynamics Laboratory, USA BGC Argo and Living Marine Resource Management Decisions Across Time Horizons
1425-1430	2325-2430*	Alistair Hobday, Commonwealth Scientific and Industrial Research Organisation, Australia Forecasting Fish Habitat for Fisheries Management
1430-1435	2330-2335*	Patrick Lehodey, Collecte Localisation Satellites, France Primary production and dissolved oxygen: Two essential variables for marine species

management, but one dimension still missing

1435-1530 2335-2430 Panel Discussion
Including: Barbara Muhling, NOAA Southwest Fisheries Science Center, USA (Both Sessions)

May 18. Carbon Budget Verification

(1400-1530 UTC; 2300-2430 UTC)

Session Chair - Joellen Russell, University of Arizona

Talks for this session will be pre-recorded and made available two weeks before the live, panel event. Please submit questions related to these talks in advance of the session. Questions may be submitted via Zoom during the live, panel event.

Session 1

Session 2

1400-1405	2300-2305	Andy Watson, University of Exeter, UK <i>Why we need GO-BGC-Argo for the global carbon budget</i>
1405-1410	2305-2310	Sara Mikaloff Fletcher, National Institute of Water and Atmospheric Research, New Zealand <i>How atmospheric and oceanic observations can inform our transition to low carbon: A New Zealand Case study</i>
1410-1415	2310-2315	Bob Brewin, University of Exeter, UK <i>Channelling energy to ecosystems and sequestering atmospheric CO₂: seeing plankton with new eyes</i>
1415-1420	2315-2320	Joellen Russell, University of Arizona, USA <i>Advancing carbon verification in an Earth system prediction framework</i>
1420-1530	2320-2430	Panel Discussion

May 25. Biogeochemical Modelling, Data Assimilation, and Forecasting

(1400-1530 UTC; 2300-2430 UTC)

Session Chair - Pierre-Yves Le Traon, Mercator Ocean

Talks for this session will be pre-recorded and made available two weeks before the live, panel event. Please submit questions related to these talks in advance of the session. Questions may be submitted via Zoom during the live, panel event.

Session 1

Session 2

1400-1405	2300-2305	Pierre-Yves Le Traon, Mercator Ocean and Copernicus Marine Service, France <i>Overview of the role of BGC Argo for the Copernicus Marine Service and its applications</i>
1405-1410	2305-2310	Stefano Ciavatta, Plymouth Marine Laboratory, UK <i>Assimilation of BGC Argo data in BGC models: status and perspectives</i>
1410-1415	2310-2315	John Dunne, NOAA Geophysical Fluid Dynamics Laboratory, USA <i>On the use of ocean biogeochemical observations in global retrospective analysis and seasonal to decadal prediction</i>
1415-1420	2315-2320	Gianpiero Cossarini, Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy <i>Assimilation of BGC Argo data in the Mediterranean Sea</i>
1420-1425	2320-2325	Fei Chai, Univ. of Maine, USA/Second Institute of Oceanography, China <i>BGC-Argo observations and physical-biogeochemical modeling in the North Pacific</i>
1425-1430	2325-2330	Elodie Gutknecht, Mercator Ocean, France <i>Use of BGC Argo to validate BGC models in the North East Atlantic</i>
1430-1435	2330-2335	Shuhei Masuda, JAMSTEC, Japan <i>Global ocean state estimation by using BGC Argo data</i>
1435-1440	2335-2340	Sylvie Pouliquen, Ifremer, France

BGC Argo data processing at Coriolis data center

1440-1530 2340-2430 Panel Discussion

Provisional Agenda

June 1. Summary Perspectives and Panel Discussion

(1400-1600 UTC; 2300-0100 UTC)

Session Chair - Ken Johnson, MBARI

Talks in this session will be given live, recorded, and made available for viewing after the session.

Session 1

1400-1405

1405-1420

Session 2

2300-2305

2305-2320

Ken Johnson, Monterey Bay Aquarium Research Institute, USA

U.S. Agency Perspectives

Bill Easterling, National Science Foundation

Craig McLean, National Oceanic and Atmospheric Administration

Jack Kaye, National Aeronautics and Space Administration

1420-1445

2320-2345

Karin Kammann-Klippstein, Federal Maritime and Hydrographic Agency (BSH), Germany

François Houllier, L'Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER), France

Gideon Henderson, Department of Environment (Defra), UK

Jane Lubchenco, White House Office of Science and Technology Policy, USA

1445-1505

2345-0005

Ken Johnson, Monterey Bay Aquarium Research Institute, USA

Summary Presentation on Cross Cutting Themes

1505-1600*

0005-0100^

Panel discussion led by participant engagement

Lisa Clough, National Science Foundation, USA

Laura Lorenzoni, National Aeronautics and Space Administration USA

David Legler, National Oceanic and Atmospheric Administration, USA

***Maria Hood**, G7 European Office, MERCATOR Ocean, EU

^**Katherine Hill**, G7 FSOI Coordination Centre, National Oceanography Center, UK

Ken Johnson, Monterey Bay Aquarium Research Institute, USA

Oscar Schofield, Rutgers University, USA

Andrea Fassbender, NOAA Pacific Marine Environmental Laboratory, USA