Welcome to the Check-In
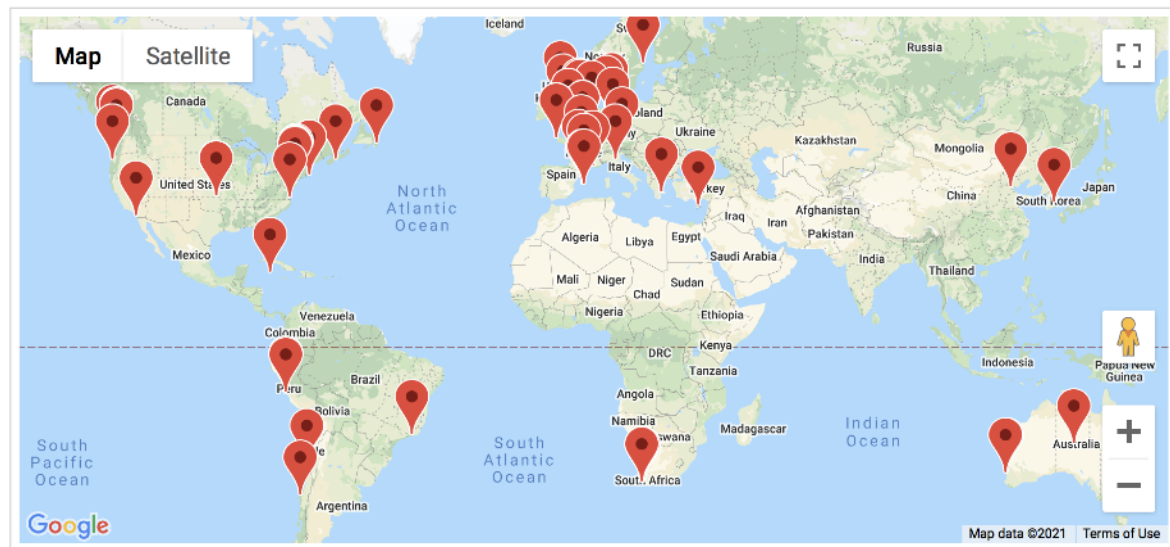
143 Registered ⌃

List View | Map View | Skill Connections

room of the OceanGliders Best Practice Workshop!

Reinforcing the OceanGliders community through virtual networking
One main goal of this workshop is to reinforce the OceanGliders community. Networking is thus a key aspect of the workshop. Networking also works virtually and asynchronously.

We ask you to **introduce yourself** with a few sentences and a picture (in the best case the same as for the profile pic). This will help everyone to see who is around and make new connections!

Please add your location to your Qiqo Chat profile
Goal: Let's have a complete map!

Skills Mapping to teach and learn
Please also fill out the "I can do", "I want to learn" etc sections in your Qiqo Chat profile, which have short vocabulary as described below. After that you can create a "skill map" to network more targeted! To make the algorithm work we have to agree on short common vocabulary. Check what the others wrote and harmonize in the spirit of this workshop.

Yes:
"TS", "Oxygen", "DMQC", "Slocum", "GliderTools", "Python", …
No:
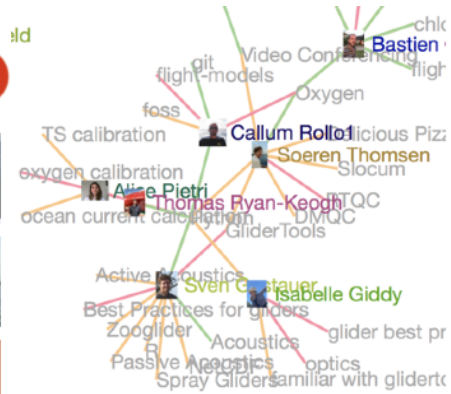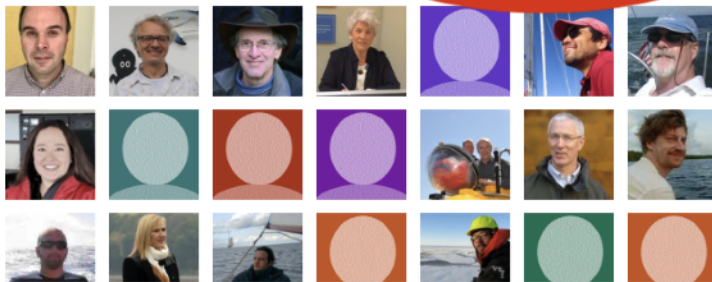"I want to learn oxygen calibration", ...

OceanGliders Best Practice Workshop participants

Anthony Bosse - researcher at the Mediterranean Institute of Oceanography in Marseille in France involved in long-term observations in the NW Mediterranean, in particular with the validation, calibration and dissemination of glider data collected as part of the MOOSE project (https://www.moose-network.fr/). My research focuses on understanding the ocean dynamics from mesoscale to dissipation with a focus on hotspots of water mass transformation such as the Mediterranean or Nordic Seas. It includes processes governing vertical and lateral mixing in the ocean, as well as their coupling with biology: convective plumes, frontal instabilities, submesoscale coherent vortices, mesoscale circulation.
anthony.bosse@mio.osupytheas.fr ResearchGate Twitter

Pedro Díaz. Final year in master degree in sea science. Last two year I've been working with glider data to characterize the sub-mesoscale physical structures and their role in the distribution and transport of biogeochemical variables in the Peruvian upwelling system. Interested in submesoscale processes. I would like to learn more about studies from glider data.

Isabelle Giddy - PhD candidate (joint degree UCT/GU/SOCCO). I work with glider observations to understand upper ocean processes in the Antarctic Marginal Ice Zone. I am primarily interested in the physical drivers of biology and the biological carbon pump at fine scales (scales that phytoplankton experience/ submesoscale and smaller). I am actively using and contributing (learning) to GliderTools and very much enjoy being part of the open-source code development community and community efforts like this in general.
isgiddy@gmail.com Twitter

Sandy Thomalla is a senior researcher based at SOCCO, CSIR in Cape Town, South Africa. At SOCCO we have deployed 22 gliders at three key sites in the Southern Ocean

since 2012. One aspect of my research involves the translation of optical properties into carbon biogeochemistry (phytoplankton biomass, community structure, primary production and physiology). A key focus is on assessing event, seasonal and inter-annual variability in ecosystem physical drivers and their biogeochemical response, in order to better understand the potential for carbon sequestration. sandy.thomalla@gmail.com

Soeren Thomsen is PostDoc with Pierre Teastor at LOCEAN, Paris within the EuroSea.eu project (WP 3 + 7). 50% of my time is dedicated to coordinating the OceanGliders.org Best Practice efforts, which includes planning of this workshop. During my PhD at GEOMAR Kiel, we deployed a fleet of 7 gliders to study the ventilation of the Peruvian and Mauritanian Oxygen Minimum Zones (OMZ) as well as physical-biogeochemical coupling at meso- and submesoscales. I am also engaged with the GliderTools community and encourage everyone whether being a Python guru or not to join our open discussion on GitHub. soeren.thomsen@locean.ipsl.fr, Twitter, LinkedIn, GitHub

Pierre Testor is a physical oceanographer at LOCEAN, Paris, France from CNRS. He has been the first in Europe to deploy gliders in 2004 and has participated in the scientific animation of the worldwide glider community since then, in particular through the EGO network (https://www.ego-network.org/). He has helped to launch OceanGliders (https://www.oceangliders.org/) as an associated program of the GOOS in 2016 and is presently co-chair of it. Scientifically, he is concerned with ocean variability with emphasis on observations of ocean circulation and mixing using various platforms, and gliders in particular. He is more specifically interested in 1) the regional oceanography of the Mediterranean Sea and the development of long-term ocean observatories in this hot spot of climate change and biodiversity (he is co-coordinating a northwestern component, the Mediterranean Ocean Observing System for the Environment, MOOSE https://www.moose-network.fr/fr/), 2) the meso- and submeso-scale phenomena and their role in the cross-slope exchanges, the winter water formation, and the physical-biological coupling.
pierre.testor@locean.ipsl.fr , https://www.researchgate.net/profile/Pierre-Testor.

Nicolai von Oppeln-Bronikowski - Glider Program Manager at Memorial University with the Ocean Frontier Institute. I support a wide range of glider projects looking at coastal (Gulf of St. Lawrence TREX, Ship noise and Oil Spill tracking OFI/DAMOS) and open ocean deployments (HOTSeALS/TERIFIC, VITALS). My primary research focus is on advancing glider-based CO_2 observations and QC as part of our efforts to send gliders to the Labrador Sea during the winter. I am also actively involved in improving glider piloting experience and vehicle endurance. Over the past 15-years, our team at Memorial has built up considerable experience in deploying gliders and enhancing their capabilities (iceberg mapping, thruster development, terrain-aided navigation). I am keen on continuing this legacy by getting involved in new missions and technology developments. We recently launched a map service (www.ocenangs.com) to improve the piloting

experience and coordination of different glider platforms working together. I obtained my Masters's in Physical Oceanography after completing an Engineering degree at Memorial and working in naval design in Finland and Canada. In addition to English, I am fluent in German and Russian. You can reach me at nbronikowski@mun.ca or by visiting my blog (www.glidernicolai.com).

Bastien Queste is an assistant professor at the University of Gothenburg, Sweden. He has worked with gliders since 2009, principally with Seaglider and SeaExplorer instruments. He has supported a wide range of projects in the Antarctic, European Shelf and Indian Ocean. He is mostly focused on biophysical interactions and how ocean physics drive functioning of oxygen minimum zones. He has considerable experience with dissolved oxygen, chlorophyll fluorescence and glider flight models. Led the development of the (now-sunset) UEA Seaglider Toolbox and keen to see a transition to open-source community driven efforts in the glider community today. Now involved in GliderTools. bastien.queste@marine.gu.se

Thomas Ryan-Keogh is a junior researcher at the Southern Ocean Carbon and Climate Observatory (SOCCO - CSIR) in Cape Town, South Africa. He has worked with gliders since 2015, principally with Seagliders, focusing on deployments in the Southern Ocean. He was one of the original developers of GliderTools, with a particular focus on bio-optical measurements of phytoplankton biomass, production and export. He wants to get more of the community involved in the development of GliderTools to maximise the potential opportunities of open-source software development. tjryankeogh@csir.co.za Twitter

Sarah Nicholson, Researcher at SOCCO based at the CSIR in Cape Town, South Africa. My background is in physical biogeochemical modelling. Since my PhD, I have been working with Seagliders, Slocums and Wave Gliders (from 2017). Co-Lead glider activities at SOCCO. Interested in microstructure turbulence measured from gliders, twinned glider experiments and understanding the coupled physics-carbon system. Contributor and advocate of GliderTools. snicholson@csir.co.za, Twitter

Marcel du Plessis. Postdoc at University of Gothenburg. I have a particular interest in ocean observations, trying to understand the interaction between surface fluxes and eddies, currents, and mixing at the submesoscale. I have worked mostly with glider data since 2012, primarily with Seagliders and Sailbuoys. I am currently working on the ROAM-MIZ and SO-CHIC projects and will be deploying gliders as a part of the project. Contributor and advocate for GliderTools.
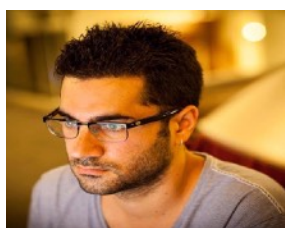
Nikolaos Zarokanellos is a glider research scientist at SOCIB. He has been working with gliders since 2013. During his PhD, he set up a glider facility in KAUST and operated glider fleet experiments in the Red Sea to understand mesoscale variability and the Eastern boundary current. Currently concentrated on defining the role of mesoscale and submesoscale eddies and fronts in the western

Mediterranean sea. More specifically on the vertical exchange, including the biogeochemical response and the consequences in the marine ecosystem. nzarokanellos@socib.es, Twitter

Josh Kohut is a professor of physical oceanography in the Rutgers University Center for Ocean Observing Leadership. For over 20 years he has advanced the use of ocean observing technologies as a major component of his research and extension programs. These programs integrate gliders with other ocean observing infrastructure to better understand the physical ocean processes that structure marine ecosystems. His projects range from coastal processes impacting storm intensity, beach water quality, and ecological habitat off the coast of the US to regional scale questions centered on marine ecosystem dynamics within the coastal seas around Antarctica.

Stephen C.A. Woodward is the Glider Technical Lead within the Marine Autonomous & Robotic Systems group at NOC. He has been working with gliders for 10 years, and his main responsibility is to organise the maintenance, operations and piloting of the NMEP glider fleet (~30 vehicles). He is very keen to align their practices with other users, especially in terms of sensor preparation/care/ calibration. As for the workshop topics, he would mainly be interested in preparation/operations and T&S, Oxygen, turbulence and chl-a.

Callum Rollo. Final year PhD student at UEA. Particularly interested in ADCPs, shelf break processes and automation. I have 3 years of experience with Seagliders from refurbishment to publication. Contributor to GliderTools, Python evangelist, linux fan and tinkerer. Co-creator of gliderpy, a package to standardise ERDDAP requests for glider data. Dedicated to open science, computational reproducibility and open source collaboration.
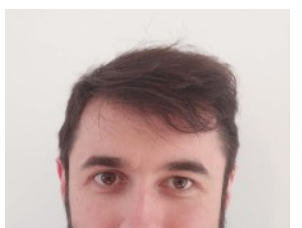
Tom Hull. Marine observations scientist at Cefas, currently seconded to the UEA for AlterEco (https://altereco.ac.uk). ~12 years of operating autonomous monitoring systems on the UK shelf. Buoys, landers, gliders and waveglider. Particular interest in oxygen and air-sea gas exchange. Primarily an R programmer who dabbles with Python. tom.hull@cefas.co.uk

John Kerfoot. Data Manager for the Rutgers University Coastal Ocean Observing Leadership Group (RU-COOL). Worked with Slocum gliders for ~18+ years (maintenance, deployment, data processing and distribution). Design, maintenance and operation of the U.S. IOOS Glider Data Assembly Center and contributor to the OGR 1.0 NetCDF format for ocean gliders. Primarily a python and bash developer and experienced with javascript, php, perl, Matlab. ERDDAP evangelist.

Mark Bushnell is a physical oceanographer, retired from NOAA after 31 years. He's now President of CoastalObsTechServices, serves as an oceanographic consultant to U.S. IOOS, and is the National Coordinator for the QA/QC of Real-Time Oceanographic Data project (see QARTOD). Through QARTOD, the IOOS office has

issued 13 community-developed manuals specifying RT QC tests for most of the variables observed aboard gliders, as well as an IOOS glider DAC QC implementation manual for temperature and salinity observations (here). Mark's a charter member of the IOC Ocean Best Practice System Steering Group, and the U.S. CLIVAR Ocean Uncertainty Quantification working group.

Miguel Charcos is a software engineer at SOCIB. He has worked as an engineer in a diversity of fields including aerospace, astronomy and oceanography. He is part of the glider team of SOCIB. In particular, he is in charge of the data management of glider missions, processing of the data in real time, recovery and delayed mode.

Juan Gabriel Fernández is the Head of the SOCIB Data Center. He has more than 20 years of experience as a software engineer. He is a member of the OceanGlider Data Management Task Team with the aim of contributing from the experience at SOCIB.

Gillian Damerell - post-doc at the University of East Anglia, UK. I have worked with Seagliders since 2012, with deployments in the Southern Ocean, Atlantic and Indian Ocean. Extensive experience in Seaglider operations, mission preparation, piloting, etc. Main interests are in physical oceanography, particularly measuring microstructure turbulence from gliders. g.damerell@uea.ac.uk

Evi Bourma is a research scientist at the Hellenic Centre for Marine Research (HCMR), where she is leading the glider team. She has been working since 2015 on setting up the HCMR glider facility, while during PhD studies, she devoted some of her research on glider flight models and efficient hydrodynamic designs. Since 2017, she has been involved with the continuous monitoring of the southern part of the Aegean, the Cretan Sea, in order to study the multiscale circulation of the flow field and the seasonal variability, collecting also evidences of the intermediate or deep water formation events that are known to occur in the area. evibourma@hcmr.gr

Before founding Cyprus Subsea in 2012, Managing Director and **Daniel Hayes** set-up and managed operations of the fleet of University of Cyprus Seagliders. Dr. Hayes has played an integral part in promoting glider technology in Europe, through EGO (Everyone's Gliding Observatories) which led to European funding to develop a glider infrastructure design through GROOM: Gliders for Research, Ocean Observation, and Management. Dr. Hayes was work package leader and member of the steering committee for this European project as well as BRIDGES: Bringing together Research

and Industry for the Development of Glider Environmental Services, and now GROOM II (Infrastructure+Innovation). Cyprus Subsea offers glider operations, maintenance, and integration services worldwide. He contributes to OceanGliders as a member of the steering committee and co-chair of the task team for data management. hayesdan@cyprus-subsea.com and https://www.cyprus-subsea.com

Grace Saba, Assistant Professor at Rutgers University (New Jersey, USA). My research interests are in the fields of coastal marine organismal ecology and physiology, with emphasis on how organisms interact with their environment and other organisms, how physiological processes impact biogeochemistry, and how climate change (i.e., ocean acidification and warming) impacts these processes. I utilize laboratory experiments, field research, and ocean observation in my research to address these issues. Currently, I am leading projects focused on glider-based observations of ocean biology and chemistry on the Mid-Atlantic Bight shelf, providing seasonal and subsurface data critical to informing what existing environmental conditions are like in habitats occupied by economically and ecologically important species. I currently co-lead the OceanGliders Ocean Health & Ecosystems Task Team.
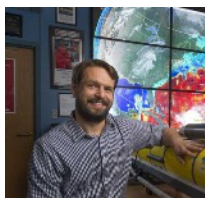
Travis Miles, I am an Assistant Professor at Rutgers University (New Jersey, USA). I have over a decade of experience working with Slocum Gliders in both shallow and deep water environments for durations of days to up-to a year.. My research focus is on understanding ocean boundary layer processes at the air-sea, ocean-bottom, and internal interfaces. I've collected data with gliders beneath hurricanes, coastal storms, river-dominated continental shelves, near ice-shelves, and the open ocean. I actively work to integrate and test new sensors and capabilities with gliders, including the new integration of the Sequoia Scientific, Inc LISST sensor to measure particle size distributions.

Thierry Carval is a data manager in Ifremer, the French research centre for ocean science. He is involved in operational oceanography in situ observations (from gliders, Argo floats, vessels, drifting buoys, moorings, sea-mammals, …). The in situ data are preserved, quality controlled, formatted and distributed to the scientific and modeling community.

Dhruv Balwada, Postdoctoral scholar at University of Washington (Seattle, USA). Website: https://dhruvbalwada.github.io/. Research interests: Tracer transport, mesoscale and submesoscale dynamics and stirring, ocean ventilation, analysis of scattered/ungridded observations. I have been using glider data over the last two years for investigating the structure of physical and BGC tracers in the interior Antarctic Circumpolar Current. In the past I have also worked on, and continue to work on, using Lagrangian observations (from drifters and floats) and high resolution ocean models. I am also enthusiastic about open source software, data visualization, and collaborative science.

Filipa Carvalho, Research scientist at the National Oceanography Centre (NOC, UK) interested in biophysical interactions and the biological carbon pump. I use data from underwater gliders as well as other autonomous platforms, satellite remote sensing and shipboard oceanographic data to understand how water column dynamics affect phytoplankton and consequent carbon export. I use high resolution data from gliders to look at mixed layer depth dynamics and the role it plays in controlling the phytoplankton

population, with a large focus in polar ecosystems. I'm interested in using and developing new methods to use autonomous platforms and integrated ocean observatories to answer ecosystem-wide questions. I have been using Slocum gliders for about 10 years now, having spent 6 years at the Rutgers University Coastal Ocean Observing Leadership Group (RU-COOL) and now the last 4 years at NOC. filipa.carvalho@noc.ac.uk

Sven Gastauer, research scientist at Thünen Institute for Sea Fisheries, Germany and visiting scholar at UCSD Scripps Institution of Oceanography. Main background is in active acoustics. Experienced programmer in Python, R, Julia. At Scripps I am mainly working with *Zooglider*, a Spray glider equipped with a CTD, an optical shadowgraph imaging system, 2 echosounders operated at 200 and 1000 kHz and since recently a hydrophone. I am involved in near real-time data processing and visualization, post-processing, analysis and visualization of all data coming from this particular glider.

Mathieu Gentil, I am a Ph.D. student at the University of Perpignan (France). My research focus is on understanding coastal dynamics during extreme events such as storm and flood. I am involved in the use of ADCP on gliders to characterize baroclinic processes and estimate particulate fluxes in coastal environments. I am interested to learn oxygen calibration. mathieu.gentil@univ-perp.fr and https://cefrem.univ-perp.fr/index.php/personnel/28-etudiants/297-mathieu-gentil.

Johannes Hahn – postdoc at Federal Maritime and Hydrographic Agency (BSH), Hamburg, Germany. In the past 10 years, I worked at GEOMAR as a PhD and postdoc in the Collaborative Research Centre SFB754 (www.sfb754.de). I studied the oxygen variability and the oxygen budget in the tropical Atlantic. For this, I particularly used moored oxygen observations, but also glider observations, and pushed forward the data processing of oxygen data obtained with Aanderaa optodes. I intensively worked on the in situ calibration (using CTD casts) of Aanderaa optodes and wrote respective processing routines.

Matthew Palmer: Chief Scientist of the Marine Autonomous & Robotic Systems (MARS https://mars.noc.ac.uk/) facility at the NOC, UK. I work mostly in coastal seas with a particular interest in turbulence and mixing, but also work closely with biogeochemical partners to better understand controls on coastal ocean ecosystems and ocean health. I'm also working on better coordination of marine observing networks, both national and international. https://twitter.com/matthew_palmer_ rolm@noc.ac.uk

Victor Turpin : I am technical coordinator of the OceanGliders program at OceanOPS. I have worked in the glider coordination field since 5 years now. I am very much interested in the data management, RT QC and pre deployment operation topics. I will chair with Justin Buck the data management meetings.
vturpin@ocean-ops.org
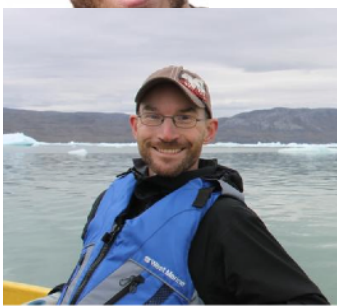
Clark Richards: I am a research scientist and physical oceanographer at the Bedford Institute of Oceanography with

Fisheries and Oceans Canada (DFO). I am the co-PI of our Coastal Ocean Glider Group (COGG) with a fleet of 5 SeaExplorer gliders, used for regular monitoring as part of the Atlantic Zone Monitoring Program (AZMP).

Jacob Steinberg: I am a postdoctoral investigator at Woods Hole Oceanographic Institution. My research focuses on submesoscale and mesoscale eddy energy, structure, evolution, and decay. A majority of observations used to carry out this work have been collected by Seaglider and Deepglider AUVs. I've spent time deploying and piloting these vehicles throughout my time at UW during my PhD. My current interests lie in understanding eddy vertical structure (specifically the decay of eddy energy with depth, the role bottom drag plays in moderating eddy behavior, and the partitioning of KE and APE throughout the water column). I'm currently a member of the Ocean Transport and Eddy Energy Climate Process Team (https://jakesteinberg.github.io)

Robert Todd: Associate scientist in the Physical Oceanography Department at the Woods Hole Oceanographic Institution. His research focuses primarily on boundary current systems, including the Gulf Stream and Middle Atlantic Bight shelf break frontal system, with additional work in equatorial and other open ocean regions. His group collects long-duration, high-resolution observations with underwater gliders that form the basis of most of their analyses. Velocity measurements from gliders equipped with Doppler current profilers have been central to his work. Todd is also involved with expanding the role of gliders in measuring along oceanic boundaries as part of the Global Ocean Observing System.

Antony Birchill: I am a post-doc at the University of Plymouth, UK. I am a marine chemist, I have experience using benchtop techniques and lab-on-chip sensors. Recently I have worked with lab-on-chip nutrient sensors as part of the AlterEco project in the North Sea, installing nitrate + nitrite sensors and phosphate sensors on seagliders over an 18-https://www.oceanbestpractices.org/month period.

John Allen: - SOCIB, Balearic Islands, Spain. Observational Oceanographer since 1987. My particular interest here is in the legacy of data, particularly the DMQC, asking questions such as what are our confidence levels.

Pauline Simpson UNESCO/IOC - Project Manager for the IOC Ocean Best Practices System. Background in marine science data and information.

Gerasimi Anastasopoulou - Research Associate at the Hellenic Centre for Marine Research. Physical Oceanographer, with experience in experimental research and data analysis. Currently in the glider team of our facility.

Francisco dos Santos – I am a physical oceanographer working with Ocean Observation and Numerical Modeling. In the past 18 years I've worked designing and implementing projects for offshore operations in Brazil. Gliders have been part of those projects since 2013, used for ocean dynamics and underwater acoustic studies. Since March 2021 I've joined CLS to work in the implementation of MMS1, an Ocean Observation and Forecasting Program in Indonesia.

Patricia Lopez-Garcia - Sensor science delivery lead at the Ocean Technology and Engineering group at NOC. I have extensive laboratory experience including some of the latest marine chemistry and trace analysis techniques. I have done some work calibrating/validating sensors for moorings and gliders. I'm helping with the oxygen SOP.

Laurent Mortier - I"m a professor of physical oceanography at ENSTA-Paris working with underwater gliders for more than 15 years, mainly in the Mediterranean region. Presently, I'm the scientific coordinator of the Gliders for Research, Ocean Observations and Management - Infrastructure and Innovation (GROOM II, www.groom-h2020.eu) for a future European Research Infrastructure for underwater gliders and similar long endurance surface and underwater vehicles.

Charlotte A. J. Williams: I am a post-doc in the Marine Physics and Climate Group at the National Oceanography Centre, working primarily with our fleet of Gliders.I am particularly interested in using gliders to investigate oxygen depletion and dynamics in the coastal and shelf sea, and how this might respond to a changing climate. I have some experience in working with and correcting oxygen lag from Aanderaa optodes that have been deployed on slocum gliders.
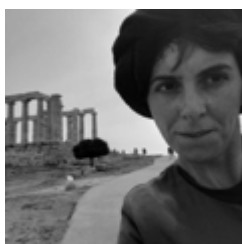
Carolina Amadio.
I'm a PostDoc at OGS (National Institute of Oceanography and Applied Geophysics) in the Ecology and Computational Hydrodynamics in Oceanography Division. OGS is involved in the EuroSea WP4 Taks4.2 which aims to "Sharing information on Gliders data assimilation in the Mediterranean Sea, best practices and propositions". I have performed a *preliminary analysis on the glider data available products* and *a cross validation between BGC-Argo floats, CMEMS satellite data and Med-MFC-BIO Model outputs*. camadio@inogs.it

Wei Ma – lecturer at the Tianjin University, China. I have worked with Petrel gliders since 2013, including maintenance, deployment, data processing. My research concentrates on the observation with underwater gliders, and conducts several sea-trials on internal waves, mesoscale eddies, etc. with Petrel gliders in the South China Sea, Indian Ocean and Pacific Ocean. wei.ma@tju.edu.cn

Gerd Krahmann: Research scientist in the Physical Oceanography group at GEOMAR in Kiel/Germany. I am interested in using new instruments to observe ocean variability. At GEOMAR I am responsible for the glider fleet as well as a number of other instruments (CTD, lowered ADCP, SUNA/OPUS nitrate sensors). I have developed a Matlab based processing toolbox for Slocum gliders which has been used on data from more than 100 glider deployments.

Johannes Karstensen, is a research scientist in the Physical Oceanography group at GEOMAR in Kiel/Germany. My major research interests address the broad range of processes that control the ocean circulation of mass and heat and other properties from the large scale to the submesoscale, making use of observational data from the ocean and the overlying atmosphere. I am a user of glider data/design ocean observing considering the unique capabilities of underwater gliders. I am very much involved in international coordination activities that seek to structure ocean observing in order to minimize overlap and optimize ocean observational platform use for the benefit of society (OceanSITES, OceanGlider, IOC Ocean Best Practices System).
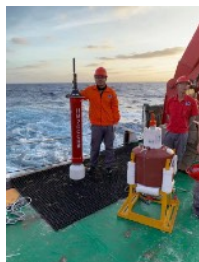
Jiang Fan, manager of WMO-IOC Marine Instrument Center for Asia-Pacific region, and in charge of instrument calibration and in-situ quality assurance, my interesting areas are salinity in-situ QA and the measurement uncertainty from glider sensors.

Chenyi Luo: Second-year Ph.D. student at TJU, China. My research interests are data pre- and post-processing including both the RTQC and DMQC, glider flight models, and adaptive sampling. I have been working with Petrel glider since 2019, and mainly involved in CTD data QC.

Nicole Waite: I am a Glider Technician at Rutgers University - Center for Ocean Observing Leadership. I have been prepping, deploying, operating, and piloting Slocum gliders for about 5 years. I teach a Slocum glider training camp that RUCOOL hosts every 1-2 years - geared towards students (undergrad and graduate). I manage the inventory/glider status/repairs records of our fleet – and am interested in learning how others manage large fleets and keep track of sensors/glider parts, etc.

Michael Crowley is the Technical Director for the Rutgers University Center for Ocean Observing Leadership and the Mid-Atlantic Regional Association Coastal Ocean Observing System (MARACOOS). His RUCOOL work includes: management and operations of the entire COOL Lab, ensuring continuous quality data delivery from RUCOOL, and heading up the external communications for the RUCOOL Team including oversight of our website. Michael is also the Technical Director for U.S. IOOS MARACOOS. Michael oversees all aspects of data collection within the Mid-Atlantic Bight. MARACOOS collects data primarily from satellites, HF-RADAR and underwater gliders. All data is used to feed and test ocean forecast models, with the ultimate goal being to better enable scientists to forecast both the ocean and atmospheric weather.

Alice Pietri. I'm a physical oceanographer at IMARPE (Lima, Peru) working on the implementation of a sustained glider coastal observatory in Peru. I did my phD in LOCEAN (Paris, France) with Pierre Testor working with glider data in the Peruvian upwelling system then I went to work as a postdoc in Geomar (Kiel, Germany) with Johannes Karstensen. After a few years focusing on meso and submeso-scale circulations I am now working on the characterization and early detection of extreme marine events, in particular marine heat waves.

Gabriel Carvalho. I am a physical oceanographer working at PROOCEANO (prooceano.com.br). I have experience working with gliders (Seaglider and Seaexplorer) in R&D and commercial projects since 2013. I have already worked with gliders mounted with CTD, Fluorimeter, Oxygen optode, and PAM (passive acoustic monitoring). My main experience regarding gliders is on pre-deployment and operations, piloting, data analysis and using collected TS data into data assimilative hydrodynamic models (delayed time mode).

JongJin Park (JJ) is a professor in oceanography department of Kyungpook National University in South Korea, who is in charge of Korea Underwater Glider Observing Network (KUGON) program in the Center for Korea Autonomous Ocean-observing System (KAOS). He has been working on Argo floats for about 20 years since 2000. When getting a faculty position in WHOI (USA) in 2009, he started using underwater gliders and kept working on underwater gliders after getting back to Korea. The first Slocum glider in the KUGON was deployed in 2016 and his team is running 5 deep gliders at the moment (+1 coastal Slocum glider will be arriving soon). In the next 5 years, they are going to get 10~15 gliders more in the KAOS center (Its homepage is under construction). He is actively involved in building up the autonomous ocean observing network around Korean Peninsula (Gliders, Floats, and Moored buoys) and trying to expand the observing network in the northwestern Pacific and the Arctic Ocean. His primary research interest is on the influence of small-scale motion on the large-scale thermocline in physics as well as biological perspectives. Most of his gliders have

been deployed in western part of the East/Japan Sea where a boundary current (East Korea Warm Current) exists and conducted repeated sectional measurements every summer since 2017. Also, during tropical cyclone (TC) passage (Typhoon Maysak), his team has done successful virtual mooring measurement of a Slocum glider near the TC center in 2020. jjpark@knu.ac.kr

Minji Park. Assistant technician at KAOS (Center for Korea Autonomous Ocean-observing System), DMQC operator of KMA (Korea Meteorological Administration) Argo Floats.

Ilker Fer. I am at the Geophysical Institute, University of Bergen in Norway, a professor of physical oceanography (web). I lead the research infrastructure, "the Norwegian node for the European Multidisciplinary Seafloor and water column Observatory" (NorEMSO) with a substantial glider component, and oversee the "Norwegian National Facility for Ocean Gliders (NorGliders)". My research interests cover meso to small scale processes in physical oceanography with special attention to high-latitudes, ocean mixing and turbulence, and atmosphere-ocean-ice interaction. I have expertise in collecting, processing and analysing data from conventional ship and moored instruments, as well as from various complex platforms including microstructure profilers, gliders, moored profilers, and eddy-covariance systems. We operate Seagliders and Slocum gliders, mainly with CT sensors only. We also use a Slocum with Rockland MicroRider for 2-4 weeks duration in process cruises.

Yunchang Kwak. Technician team Leader at KAOS (Center for Korea Autonomous Ocean-observing System). His main responsibility is to organize glider maintenance and glider operations.

Lori Garzio. I am a Research Analyst for the Rutgers Center for Ocean Observing Leadership (RUCOOL) where I am involved in several different projects ranging from data analysis and visualization for wind energy assessment projects, to glider-model data comparisons focusing on ocean conditions preceding storms, to working as a field and laboratory technician for zooplankton ecology projects. I recently started training in assisting with data management for the RUCOOL glider fleet, as well as data analysis and visualization of glider data with a pH sensor.

Alvaro Lorenzo-Lopez. I am a senior Software at the National Oceanography Centre (NOC, UK) working within the MARS department. Previously worked at PLOCAN for 4 years. I have been working with gliders since 2009. Nowadays I lead a team of software engineers developing the NOC Command and Control system to control fleets of gliders and other long rage autonomous vessels. alvaro.lorenzo@noc.ac.uk

Joe Gradone PhD Student at Rutgers University (New Jersey, USA). Research interests: ocean-storm interactions, heat and salt transport, novel sensor integration onto gliders, data visualization. I have worked with gliders since 2016, in a research capacity at the University of Delaware and as an applications engineer at Teledyne Webb Research. I hope to contribute my glider knowledge to this group and I am specifically interested in learning more from the glider-ocean currents group. jgradone@marine.rutgers.edu

Estelle Dumont Glider technical manager at the Scottish Association for Marine Science (SAMS) since 2009. The majority of our glider activity revolves around endurance lines in the North-East Atlantic, as well as process studies in coastal seas, shelf-break areas and in the Arctic. We are part of the UK National Capability and collaborate with other glider research teams for local sea trials and North-Atlantic deployments. Specific areas of expertise: mission planning, operations (field/piloting), staff training, physical oceanographic data handling.

Julius Busecke Associate Research Scientist at LDEO/Columbia University since 2020. I have worked with many different obs platforms (but not gliders yet) in my career but am at the moment more focussed on working with Earth System Models. I hope I can bring some of my experience in open source development and open science to this project to help people to learn about the inner workings of package maintenance/CI etc. I really hope glidertools will foster a community effort that avoids duplication of work and encourage more usage of the amazing data gliders provide to everyone from the 'veterans' to newcomers and even folks like myself, who don't work with this data on a day-to-day basis.