

**POGO-SPONSORED TRAINING INITIATIVE
Report**

1. Name of grant recipient (Proposal Coordinator)

Caio Cesar Ribeiro

2. Title of training

MULTISCALE OCEANOGRAPHY FROM MICRO TO MACRO (MOMM)

3. Dates of training (e.g., 01 Jan 1999)

Start date: 01 OUT 2025

End date: 10 OUT 2025

4. Location of training (e.g. institute, city, country) Please indicate if online/in person/hybrid.

Online and CCMAR, University of Algarve Campus Gambelas, Faro, Portugal

3 (POGO), 1 (SCOR), 1 (SERRAPILHEIRA), 1 (SEA-EU), 2 (CIMA), 14 (paying)
Total: 22 participants

6. Other partners/funding sources

SEA-EU, POGO, SCOR, AWI, ICM-CSIC, IPMA, CCMAR, CIMA, UFPA, UFF, UFRJ,
UNIFESP, CESAM, BLIFE, UALG, PI, VWR

7. Provide an outline of the training course/initiative (objectives, format, topics)

Full programme can be included as an Appendix.

Participants immersed themselves in the various dimensions of ocean science, from micro to macro scales, from laboratory approaches to open-sea research, and from molecular techniques to global ecosystem processes.

The MOMM course is an advanced training programme integrating two complementary components:

- Online theoretical module (1–3 October 2025) — featuring international experts covering topics such as marine genomics, plankton ecology, biogeochemical cycles, ecotoxicology, physical oceanography, and environmental data science.
- On-site practical module (6–10 October 2025, CCMAR – Faro, Portugal) — involving intensive lab rotations, hands-on sessions, and oceanographic sampling activities aboard the RV MarUAlg. Trainees participated in practical work with Van Dorn and plankton net sampling, microscopy, molecular sample processing, and chemical analyses.

This structure allowed participants to connect theoretical knowledge with applied field and laboratory skills, while fostering international collaboration and interdisciplinary exchange. The course combined lectures, fieldwork, laboratory activities, and group discussions, providing a holistic understanding of modern oceanography.

8. Provide a summary of the students' performance and any informal feedback received

Please note that an evaluation questionnaire will be sent to the participants by the Secretariat and therefore we ask that you provide a list of trainees and their e-mail addresses. The questionnaire results will be shared with you in due course.

The participants showed a very high level of engagement and motivation throughout the course. All trainees successfully completed the online and in-person components, actively participating in lectures, lab rotations, and field activities. Their performance was assessed informally by the instructors as excellent, with strong participation in discussions, group work, and practical sessions. Informal feedback collected during and after the course was overwhelmingly positive, emphasizing the high quality of the content, the opportunity to interact with experts from multiple disciplines, and the balance between theoretical and practical components. Participants highlighted that the Momm course offered unique networking and learning opportunities that are not easily found elsewhere.

9. Do you have any plans for future collaboration with the students, the host institute (if applicable) or for future editions of the training course?

Yes. There are plans to maintain contact with the participants and integrate them into the Momm alumni network, encouraging their continued engagement in international scientific activities. Participants will be invited to take part in future POGO, SCOR, and SEA-EU initiatives, as well as research collaborations. Some trainees have already expressed interest in pursuing PhD opportunities in Portugal, which may lead to new research collaborations and student mobility. There are also plans to host future editions of Momm on an annual basis, expanding both the number of participants and the network of international partners. Finally, the course is expected to strengthen collaborations between CCMAR and partner institutions through joint training activities, research projects, and mobility programmes, contributing to capacity building and global ocean science cooperation.

10. List of trainees

Please fill in the attached Excel spreadsheet with the list of trainees.