

**2018 NF-POGO- GEOMAR Fellowship for
Ship-board Training on-board RV Meteor cruise M148**

Fellowship Report

Name of Trainee: Daniela Belen Risaro
Name of Supervisor (Parent Institution): Geomar
Supervisor (Host Institution): Marcus Dengler
Dates of Training: 24-05-2018 to 30-06-2018

Section A

(To be completed by the fellow and returned to the POGO Secretariat)

Please note Q1-Q3 will be passed on to the host and parent supervisor and made publicly available on the OTP website; Q4 will be read only by the POGO Secretariat and remain confidential

1) Please provide a brief description of activities during the training period:

During the training period, I stand watch with a group responsible for the collection of hydrographic stations on board R/V METEOR. These were mainly CTD stations in which we made a complete profile of the water column with an extremely accurate device. We also collected water samples from different depths in order to calibrate the CTD salinities. We performed some mooring deployments and recovered instruments moored in the sea-floor to collect observations sea-water properties like bottom currents, salinity and temperature.

2) What applications of the training received do you envision at your parent institution?

I learned a variety of data analysis and instrument calibration procedures. This knowledge will be very useful in my parent institution as my research group collects similar data on a regular basis. Moreover, the setting, preparation, and deployment of the instruments we used will be applied in my future work. Commonly in developing countries like Argentina, we don't have so many opportunities of participating in such a multidisciplinary study at sea. Therefore, this experience gave me a unique possibility in my academic life.

3) Please provide your comments on the Fellowship Programme.

The Fellowship Programme was extremely interesting and motivating for my personal career. I had the possibility of being in touch with well-known researchers and students from several countries and to learn oceanography. Furthermore, the team-work we have done on board and the multidisciplinary projects that we addressed represent a valuable experience in my career.

4) CONFIDENTIAL: Please use this box for any comments that you do not wish to be made publicly available or passed on to your supervisors.

Print name

Daniela Belen Risaro

Date: August, 2018

Section B

(To be completed by host supervisor and returned to the POGO Secretariat)

Please note Q1-Q3 will be passed on to the parent supervisor and trainee and made publicly available on the OTP website; Q4 will be read only by the POGO Secretariat and remain confidential

1) Please provide your comments on the performance of the trainee.

Daniela Belen Risaro was very motivated to learn about all aspects of data sampling, seawater analysis and the preparation and deployment of instrumentation to observe the ocean. She performed all tasks entrusted to her with great responsibility. During her watch, she participated in deploying various observatories including CTD, uCTD, microstructure probes, Argo floats and moorings. During the off-watch period, she calibrated thermosalinograph temperature and salinity data and performed comparisons with climatological hydrographic data and satellite data of sea surface temperature. Daniela's readiness to help others was greatly appreciated by the scientific participants as well as by the ship's crew.

2) Is this exchange likely to lead to future collaboration with the trainee's parent institution? If so please give example(s) of how this collaboration may be pursued.

Daniela was in the process of finishing her PhD program when she became POGO fellow and joined the cruise. Future collaboration may evolve after her graduation. Collaboration between her parent institution and GEOMAR had existed prior to the cruise. Collaboration may intensify upon funding of a recently proposed EU-Horizon 2020 collaborative project.

3) Please provide your comments on the Fellowship Programme.

The NF-POGO Fellowship for ship-board Training is an ideal program for students from developing countries and from countries in transition to experience oceanographic data collection at sea and to interact with researchers, technicians and students from developed countries. This experience as such is in many aspects of great benefit for the fellow's career. The targeting of post-graduate students is exemplary due to their high level of receptiveness and professional qualification. Despite some gaps in knowledge of the fellows that we were happy to address, a prominent outcome of the NF-POGO- GEOMAR Fellowship program was that we learned from each other while advancing our knowledge about ocean science integrated in the cultural and political dimension of the human, country and ocean interactions.

4) CONFIDENTIAL: Please use this box for any comments that you do not wish to be made publicly available or passed on to the parent supervisor and/or trainee.

Signature

Date: : 26.10.2018

SECTION C

(To be completed by parent supervisor and returned to the POGO Secretariat)

Please note Q1 will be passed on to the host supervisor and trainee and made publicly available on the OTP website; Q2 will be read only by the POGO Secretariat and remain confidential

1) Do you agree with the above comments and do you have any additional feedback you wish to provide?

Yes, most of the data processing and quality control activities carried out during the cruise will be very useful for application in our lab.

2) CONFIDENTIAL: Please use this box for any comments that you do not wish to be made publicly available or passed on to the parent supervisor and/or trainee.

Print Name

Alberto R. Piola

Date: 16 February 2019