



**2019NF-POGO Visiting Fellowship for
Ship-board Training**

Fellowship Report

Name of Trainee: Dr. Olusegun A. Dada

**Name of Supervisor (Parent Institution): Prof. Michael I. Oladapo, Department of Marine Science,
Federal University of Technology, Akure, Nigeria.**

**Supervisor (Host Institution): Prof. Dr. Martin Visbeck, GEOMAR Helmholtz Centre for Ocean
Research Kiel, Germany.**

Dates of Training: October 29 to November 20, 2019

Section A

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

*Please note that this form will be passed on to the host and parent supervisor and when complete will
be made publicly available on the [OTP](#) website;*

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

The main operations of the cruise M159 focused on the recovery and redeployment of several deep-sea moorings and combined CTD and Lowered ADCP with many sensors, from Recife, Brazil to Mindelo, Cape Verde, for the ocean observation with aim of investigating the western boundary current system off South America.

The first three days of the first week of the training was devoted to general orientations and safety training on safety onboard. Then, I received daily lectures on the principle of physical oceanography and I was also given an opportunity to make a seminar presentation. Also, during the first week, I was assigned to the mooring section to understudy, first, on how the recovery of deep-sea mooring equipment such Microcat, Aquadopp and ADCP were done, and second, on the deployment of the same equipment. The first phase of the training lasted until the middle of the second week when all recovery and deployment were done. In the next phase of the training spanned until the end of the cruise, and I was made to understudy how to deploy and recover combined CTD and Lowered ADCP with many sensors and process the data. In addition, I was taught on how to process data generated by the ship-mounted ADCP, echo sounders and thermosalinometer.



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

Generally speaking, all aspects of the training I received during this fellowship are important and applicable to my parent institution research activities. But since our present researches are limited to the continental shelf due to lack of ocean-going vessel and paucity of fund, the applications of the training I received will be tailored/ modified towards our operations, using the learned techniques. Specifically, based on my area of expertise (as a marine geoscientist) and research equipment available in my university, I plan to incorporate the training I have received on acquisition and processing of data from ADCPs and Echo sounders in teaching as well as future research work of the coastal oceanography research group in my parent institution. Further, I intend discussing with my host supervisor on the possibility of assisting my parent institution to develop ocean observation systems.

3) Please provide your comments on the Fellowship Programme.

Participating in this shipboard training fellowship has been a worthwhile experience. The fellowship is highly commendable, as it provides an excellent opportunity for capacity building in ocean observations for scientists from developing countries like Nigeria. This opportunity would not have been possible without the supports from the POGO and GEOMAR. Therefore, I want to thank them for giving me the opportunity to deepen my knowledge of ocean observation and further brighten my career. This laudable and collaborative effort is highly commendable. Such collaborations are necessary and encouraged if the United Nation Decades of Ocean for sustainable development would be achieved.

Also, I am grateful to the POGO staff for their fantastic support, especially to the Chief Executive Officer, Dr Sophie Seeyave, Dr Lilian Krug and Ms Laura Ruffoni and others who worked behind the scene. Finally, I would like to thank my host supervisor, mentor and the chief scientist of the cruise M159, Prof. Dr. Martin Visbeck of GEOMAR, for being caring, passionate and interested in my career progress during and after the training. I look forward to future collaborations. I am grateful to my parent supervisor and Head of Department, Prof. Michael I. Oladapo and the institution Administration for granting me research leave and the required support.

PRINT NAME

DR. OLUSEGUN A. DADA

Date: 29 November 2019



Section B

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

Please note that this form will be passed on to the parent supervisor and trainee and when complete will be made publicly available on the [OTP](#) website;

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

Olusegun Dada joined the ocean research expedition on METEOR M159 from Recife to Mindelo as a POGO trainee. He quickly became familiar with the routines at sea and was eager to learn many new skills. The work program varied in scope and focus and as such gave him the opportunity to experience the complexity of moored observatories and their recovery and redeployment. During most of the time the work focussed on CTD based hydrography and underway measurements from ship-based systems. Dr. Dada engaged in several of the workflows and was able to learn new aspects of ocean research. He gave a scientific seminar of his research at home and contributed to the science of the week presentations every Sunday. Dr. Dada was an eager learner and I have no doubt that he will transfer the new knowledge to his students and the ocean science community in Nigeria.

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.

From my perspective, there is a tremendous opportunity for the ocean science community to more effectively engage in international ocean science activities such as fostered by POGO, IOC, SCOR and similar platforms. We, i.e. the German government, have just launched a new Ocean Science Master School under the WASCAL Program for the West African region. This is the first time that WASCAL developed a marine science focus and is looking for strong partners in the region. I see plenty of opportunities for Dr. Dada to play an active role in the new school for example as a guest lecturer.

3) Please provide your comments on the Fellowship Programme.

I have supported a number of POGO fellows over the years and think this is an excellent program to support marine scientists in the 'Global South'. I particular the programme supports the exchange of views from ocean scientist from around the world. I want to underscore the importance of mutual learning from eachother. The other participants on the expedition benefitted from Dr. Dada's perspective tremendously.

PRINT NAME

Dr. Martin Visbeck

Date: 2. December 2019



SECTION C

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

Please note that this form will be passed on to the host supervisor and trainee and when complete will be made publicly available on the [OTP](#) website;

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

Yes, I agree with the above comments and I believe that the training acquired by Dr Olusegun Dada will further enhance his teaching career and future research development. As the coordinator of the department fieldwork, he will impart acquired skills and exposure on students and staff alike during our sea-based practicals. I envisage future collaboration in the form of exchanges and research collaboration between our department and researchers from GEOMAR, Kiel, Germany. I commend the NF-POGO for granting him this fellowship. The programme is a laudable one, as it encourages human capacity development in ocean observation in developing countries.

PRINT NAME

Prof. Michael I. Oladapo

Date: 5th December 2019