



REPORT ON POGO VISITING FELLOWSHIP PROGRAMME 2014

Report from the Visiting Professor

Name of Visiting Professor: Dr Renzo Mosetti

Name of Host: Dr Eduardo Marone

Host institution: Center for Marine Studies - Federal University of Paraná

Dates of Training: 19 October - 03 November 2014

Subject of Training: Innovative integrated marine monitoring systems in coastal regions

Please provide a brief description of activities undertaken during the visiting professorship period. Please include elements of formal training (e.g. lectures, practicals and field trips) as well as research collaboration, if applicable

The course has been organised in plenary lectures concentrated in the morning - early afternoon. Starting from 2.30 p.m, the activities were oriented to leave to the students some exercises on the subjects discussed during the lectures. Of course, the students have been oriented and assisted by myself. Due to the different level of the students, during the afternoon session the exercises have been devoted to the higher level group while prof. Marone gave lectures on coastal dynamics to the undergraduates. The practical activities were devoted both to the use of computer software for data analysis and to some field trip to work with the data acquisition.

How do you think the training was received by the students? Did it meet its objectives? What do you think the students gained from the training? Was the students' level as you had expected?

The overall impression is that the course met the objectives. The main problem was the different level of basic knowledge of the students. For the higher level students some lectures probably were too "simple", while for the undergraduates it was the opposite. My feeling, supported by the clear interest of the students, is that the most interesting part was related to the data analysis (statistics, models and time-series analysis). They received an updated picture of techniques and software for a deep analysis of the data and on the development of integrated monitoring system in the coastal sea.

Did you encounter any obstacles to the implementation of your planned training/ research activities? Do you have any recommendations for future capacity building initiatives in the same institute/country, building on your experience and on any problems you may have encountered?

On local/logistic point of view I'm fully grateful to prof. Marone and the staff of the Centre. The minor problem was the internet connection especially during the first days of the Course. This was due to some works on the internet services at the University. The plenary room and the other facilities of the centre were satisfactory. So, the Centre is, from my point of view, suitable to host such kind of activities.

Do you envisage that any future collaborations (e.g. publications, proposals, future visits, student exchanges) will result from this visit? Please provide details

I established contacts also with some of the high level participants to do some collaboration with my Institution (e.g. University of Sao Paolo). For what is dealing with the collaboration with the Centre, this is already strong and we are working together for publications and further proposals to exchange students

and knowledge.

Please provide a brief overview of the host institution's research and teaching facilities and any specific areas you can identify that would benefit from particular support

The Centre has a larger group on biological oceanography. However, the physical oceanography group is very active in coastal research and in planning and taking care of monitoring systems in the coastal region of Paraná. They need some support on setting new instrumentations and techniques to better investigate the coastal area. In particular there is a need of create an integrated network of coastal monitoring system with HF radars, gliders, drifters, satellite and meteo-oceanographic buoys. The Course has been devoted to these aspects because most of the South America Countries have the same needs.

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