

Summer School Teledetection and its Oceanographic Applications

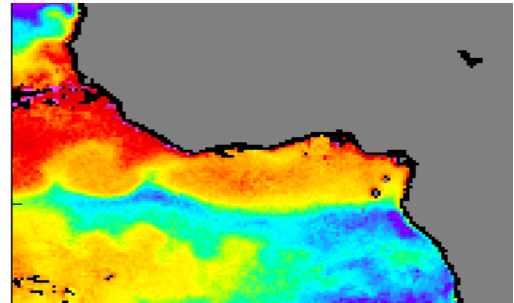
Cotonou, Republic of Benin, 18-24 October 2014

organised by the International Chair in Mathematical Physics and Applications (ICMPA) and the Research Institute for Development (IRD)

Satellite observations are essential to monitor and study the oceans. They provide an unmatched spatial and temporal coverage of such key oceanic variables as sea surface temperature and salinity, sea level, ocean color and surface winds. Most ocean satellite data are freely available on the web for research studies. Some satellite observations are also available in real time to scientific centers (like ICMPA) equipped with the EUMETCast reception system for operational applications. The lectures will give an overview of existing satellite products and their relevance to the physical and biological oceanographic processes occurring in the tropical Atlantic. The main goal of the school is, through hands-on training, to provide software tools and give technical skills to the participants, to help develop marine research capabilities in African countries.

Program:

- Regional oceanography of the tropical Atlantic
- Data processing and visualisation with Python software
- Introduction to satellite oceanography
- Installation, maintenance and data management of a EUMETcast station
- Satellite altimetry and its applications
- Fisheries applications of teledetection



Lecturers: G. Alory (IRD/ICMPA, Cotonou, Benin), T. Okey (ICMPA, Cotonou, Benin), D. Dagorne (IRD, Brest, France), F. Niño (IRD, Toulouse, France), H. Demarcq (IRD, Sete, France)

Coordinators: G. Alory (IRD/ ICMPA, Cotonou, Benin) and E. Baloitcha (ICMPA, Cotonou, Benin)

- The summer school is open to young African scientists, including students with at least MSc level, with a maximum of 20 participants.
- Participants are required to bring their laptop for hands-on training.
- Lectures will be in French and English.
- Limited funding is available.

Deadline for application: september 15th, 2014

Applicants are required to submit their CV, the filled applicant form (attached), a 1-page motivation letter and a supporting letter from their supervisor or institution in a message titled "summer school" to the coordinators at: gael.alory@legos.obs-mip.fr and ezbalo@yahoo.fr .