

IGRGEA LETTER

International Geophysical Research Group /Europe-Africa
International Geophysical Research Group /Europe-Asia

IGRGEA

At the end of the IEEY, in 1995, IGRGEA (International Geophysical Research Group Europe Africa) has been organized to follow the research work initiated during IEEY (International Equatorial Electrojet Year), in 1992. Since January 2003 IGRGEA is developing at the Institute of Geophysics in Hanoi.

BURKINA FASO

Fredéric OUATTARA and Jean-Louis ZERBO will be at LPP from April 4 next, to collaborate with Christine AMORY-MAZAUDIER for the pursuit of scientific collaboration on the International Geophysical Year : to integrate the physical processes in the Sun-Earth system. F. OUATTARA will go in 2012 for a Post doc, at NCAR, to work jointly with Art RICHMOND. He is funded by a Fulbright Grant of the United Nations embassy of Burkina Faso. He will use the TIEGCM model on representing the ionospheric observations at OUAGADOUGOU.

EGYPT – LUXOR IAGA3

The next IAGA-3 meeting is postponed. It will be held at Luxor from November 13 to 17 2011. Subscribe on the site:

<http://iswi.cu.edu.eg>

The Scientific theme is : *"Helospheric Physics during and after a deep solar minimum"*. This workshop is organized by Ahmed Hady and Luc Dame.

MOROCCO

School on Space Weather



In the framework of the ISWI project a school of Space Meteorology will take place at Rabat (Morocco) from December 5th to 16th 2011 in the United Nations Regional Center for the French language. The school will be preceded from November 30 to December 03 by a United Nations conference entitled: "Impacts and adaptation of climatic changes in Africa". The participants to the school are invited to participate also to this conference on climate changes.

You can find on the website of the regional Center CRASTE LF www.crastelf.org.ma, the file of inscription and the poster of the school in French and English. The deadline for the inscription is April, 30th 2011.

This school is open to participating readers and Professors in French-speaking Universities and M2 level students. It proposes to introduce new research disciplines in Africa. Participants will have to engage in Research, and work concerning the ISWI project.

This school will be an opportunity for the development of scientific cooperation, training of students and reception of new scientific tools useful for new studies.

This school is essentially reserved to physicists. It is already sponsored by United Nations and the French CNES.

RDC
School SIG, GPS and new Technologies



Microsoft
Research

In the frame of the ISW project, a school of SIG, GPS and new technologies will be organized at the Kinshasa University from September 5th to 16th 2011.

The main objective of this school will be to optimize the expertise for RDC and Central Africa students towards participating and contributing to international projects.

The two key points are:

*Competence to use already existing data bases and tools for terrestrial environment studies: there remain very many data concerning Environment and Geophysics.

We estimate the take up of existing data to be less than 10%

these data analyzed with many new technologies are the source of original scientific works.

* Development and the use of results from studies combining environmental sciences and sustained development from ground based and satellite data. These will serve the new RDC and Central African Research in Geophysics, Telecommunications etc.

Find the flyer and Subscription formula for this school

on the site: www.girgea.org

The deadline is April, 15th 2011.

The school is already sponsored by MICROSOFT Research.

RECENT IGRGEA PUBLICATIONS 2009-2011

Over the last two years and the first months of 2011, IGRGEA authors have published 23 papers: 3 PhDs, 21 articles in journals with referees, 2 proceedings.

Out of the 21 articles, a Southern Country researcher is first author, and of these 15 have as first author a PhD student work.

Subjects covered by these articles are:

* Vietnam Monsoon

*Long term variations in the equatorial ionosphere at the magnetic equator and on the tropical ionization crests in Asia.

* Long term variations in magnetic activity.

* Total Electron Content during maximum and minimum Sunspot Cycle.

* Solar action on geomagnetism.

*Equatorial electro jet.

* Regular variation of Sq magnetic field in Vietnam.

* Ionosphere Disturbance Dynamo.

* Terrestrial movements of the earth's crust deduced from continuous measurements of GPS Stations in South-East Asia.

* The Franco-Egyptian Year.

* Use of GPS data to estimate the water vapor content of the Troposphere.

The **list of IGRGEA publications** will soon to be found on: www.girgea.org

**GNSS TRAINING for
European PHD STUDENTS**

The European Spatial Agency ESA organizes a school on GNSS for European PhD students. This school will be held in Munich, May 23-25, 2011.

To participate to this school please send an email, before May 3rd to:

baerbel.deisting@unibw.de

heike.haas@unibw.de

Financial support for the travel can be requested on the following website: <http://www.snun.eu>