

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.

EGYPT / LUXOR – IAGA 3

The next IAGA 3 meeting will be held at LUXOR, Nov 13 to 17 2011. Submission for communications will be closed on September 15. Please go to the site: <http://iswi.cu.edu.eg>
The scientific theme is: « *Heliospheric physics during and after a deep solar minimum.* »
The working group is organized by Ahmed HADY and Luc DAME.

MOROCCO

School of Space Meteorology
December 5-16, 2011



Sponsors



The school of Space Meteorology will take place as proposed at RABAT in Morocco on 15th to 16th December 2011.

Professors and Lectures

Editeur-rédacteur : C. Amory-Mazaudier, Rédacteur-traducteur : P. Vila
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C. Amory-Mazaudier LPP/Polytechnique UPMC/CNRS	Magnetic earth variation transitories
Elisabeth Blanc CEA	Atmospheric dynamics and perturbations
Karine Bocchialini IAS/ Université Orsay	The Sun : General presentation
Dominique Fontaine LPP/Polytechnique UPMC/CNRS	Magnetosphere
Jean-François Geogis LA Observatoire Midi Pyrénées	Radio observations of the atmosphere
Alain Hilgers ESTEC	Space Meteorology: Perturbations
Karl-Ludwig Klein Observatoire de Paris	Radio observations of the sun
Frédéric Pitout IRAP	Ionosphere : magnetic storms
Serge Soula LA Observatoire Midi Pyrénées	Atmospheric electricity
Art Richmond NCAR	Ionosphere: Electrodynamics
Nicole Vilmer LESIA, Observatoire de Paris	Solar activity

The school is organized by:

A. Touzani : President of CROSTE-LF
(Center affiliated to UN)

C. Amory-Mazaudier: scientific secretary

N. Vilmer : Responsible for ISWI France.

There will be 27 participants selected from the following countries:

Algeria, Benin, Burkina Faso, Ivory Coast, Cameroon, Morocco, Mauritania, Niger, Congo Republic (RC) and Congo Democratic Republic (RDC), Senegal.

The training will be in French.

RDC
SIG school, GPS and new technologies
September 12-24, 2011



Sponsors

Ministère de la Recherche de RDC



The school scheduled in RDC will take place from 12 to 26 September 2011, at the Kinshasa's University,

Professors and lectures

C. Amory-Mazaudier LPP/polytechnique UPMC/CNRS	Transitory variations of earth magnetic field
Nicolas Bergeot Observatoire Royal de Belgique	GNSS Ionosphere
Téléphone Brou Université d'Artois	Geographic information and remote detection system
Les Cottrell Stanford University	Internet
Bienvenue Dinga Marien Ngouabi University (Congo)	GPS / Applications
Bruno Kahindo Kinshasa University (RDC)	GPS/ SCINDA
Ngomba Marcelline Kinshasa University (RDC)	Geographic information and remote detection system
Viviane Pierrard Institut de Belgique d'aéronomie spatiale	Space meteorology
Monique Petitdidier LATMOS/IPSL	Computation grids and computation resources
Frédéric Ouattara Koudougou University	Equatorial ionosphere GPS technique
Mikhail Zhizhin Russian Academy of Science	Database

The professors belong to the following countries :

Belgium, Burkina Faso, Ivory Coast France, RC, RDC, Russia, USA

and the 55 participants from the following countries : *Gabon, RC and RDC.*

This school will group practioners of various disciplines, using common tools: GPS and GIS (Geographic Information Systems), Databases, Internet and computation grids. There will be also general lectures for all and practical exercises in the various disciplines. The training will be in French (80%) and English (20%).

NIGERIA
School on Litho- Space Weather
August 15-20, 2011



The first school ISWI/MAGDAS took place in the Redeemer's University, near Lagos (Nigeria), from August 15 until August 20, 2011.

This school was organized by:

- SERC, Kyushu's University, Japon
- NASDRA, Abuja, Nigeria
- University of Reedemer, Nigeria
- ARCSSTE-E, Ile Ife, Nigeria

African Regional Centre for Space Science and Technology Education - English

40 scientists from all over Africa participated to this school, including 8 host stations representatives from Egypt, Ethiopia, Kenya, Mozambique, South-Africa, Sudan, Tanzania.

There are 8 instructors from Japan, Côte d'Ivoire, Nigeria and Sudan.

Japon : Professors Yumoto, Yoshikawa, Abé, Ikeda and Maeda

Nigeria : Prof. Rabi

Côte d'Ivoire : Prof. Doumbia

Sudan : Prof. Magdi

This school was a real success.
Thank you to all the organizers.



The ISWI school in Slovakia was organized by Ivan Dorotovic (UPJS) and Nat Gopalswamy (NASA) at the Astronomical Institute of the SAS Tatranka, Lomnica from August 21 to 27, 2011.

Institutions in charge of the organization :

*Centre of excellence « Centre of Space Research: Space Weather influences » / Astronomical Institute of Slovak Academy of Sciences, (AI SAS), Tatranska Lomnica

*Institute of Experimental Physics, Kosice (IEP SAS)

*Institute of Physics UPJS de Kosice

* Slovak Central Observatory (SCO) Hurbanovo

All the informations about the program and the lecturers are on the site:

http://stara.suh.sk/id/iswi/summer_school/scientific_program

46 students from 26 countries (*Argentina, Armenia, Austria, Brazil, Bulgaria, Croatia, Czech Republic, Ecuador, Egypt, Germany, Greece, China, India, Ireland, Italy, Kenya, Korea, Mexico, Nigeria, Poland, Portugal, Romania, Slovakia, Spain, Turkey, Ukraine*) and 25 professors from 11 countries (*Austria, Czech Republic, Ecuador, France, Germany, Ireland, Poland, Portugal, Slovakia, UK, USA*) participated to this school.

This school was a real success.
Thank you to all the organizers.

Recent IGRGEA publications, 2010-2011

Journals with reviewers

Amory -Mazaudier, C, Electric Current Systems in the Earth's Environment, Nigerian Journal of Space Research, Vol. 8 ISSN 0794-4489, pages 178-255, 2010 (ISWI School, Nigeria-2008)

Damé, L., A. Mahrous, C. Amory-Mazaudier, M. Petitdidier, A. Hady, Météorologie de l'Espace en Afrique (1) Année Franco-Egyptienne de la Science et de la Technologie 2010, REE 6/7 (juin juillet).

Le Huy M., K. Feigl, F. Masson, P. Lassudrie Duchesne, A Bourdillon, L Tran Thi, T. Pham Xuan, T. Ngyuen Chien, V. Ngyuen Ba, D. Truong Phuong, 2010, Crustal motion from the continuous GPS data in Vietnam and in the Southeast Asian region, Journal of Sciences of the Earth Vietnam Academy of Science and Technology, 32(3), p. 249-260.

Le Truong, T., V. Doumouya, M Lehuy, Ha Duyen C., 2010, The equatorial electrojet model with CHAMP satellite data, Journal of Sciences of the Earth, Vietnam Academy of Science and Technology, 32 (1), p. 48.

Ouattara, F. And R. Fleury, Variability of the CODG TEC and IRI 2001 total electron content (TEC) during IHY campaign period (21 march to 16 April 2008) at Niamey under different geomagnetic activity conditions, Scientific Research and Essays, Vol 6 (17), pp 3609-3622, 26 August 2011.

Pham Thi Thu, H., C. Amory-Mazaudier, M. Le Huy, 2011, Sq field at Phu Thuy – Vietnam during solar cycle 23, Ann. Geophys. n° 29, pp 1-17.

Pham Thi Thu, H., C. Amory-Mazaudier, M. Le Huy, 2011, Time variations of the Ionosphere at the northern tropical crest of ionization at Phu Thuy-Vietnam, Ann. Geophys. ,29, pp 197-297.

Zaka, K.Z., A.T. Kobéa, V. Doumbia, A.D. Richmond, A. Maute, N.M. Mene, O.K. Obrou, J-P. Adohi, P. Assamoi, K. Boka, C. Amory-Mazaudier, 2010, Simulation of electric field and current during the June 11, 1993 disturbance dynamo event : comparison with the observation, Vol 115, A11307, doi:10.1629/2010JA015417.

Proceeding

Amory-Mazaudier, C., A. Koba, F. Ouattara, B. Dinga, V. Doumbia, A. Hady, E. Hounginou, B. Kahindo, S. Madougou, A. Mahrous, T. Ndekatou, J. Uwamahoro, N. Zaourar, O. Bock, Y. Cohen, L. Damé, R. Fleury, P. Lassudrie-Duchesne, M. Petitdidier, Météorologie de l'Espace en Afrique (II) Programme ISWI – International Space Weather Initiative, proceedings colloque URSI France 2010, https://ursi-france-institut-telecom.fr/pages_evenements/journees_scient/docs_jo