

IGRGEA

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

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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. Since January 2003 IGRGEA is developing at the Institute of Geophysics in Hanoi.

MALI

IPGP (Institut de Physique du Globe de Paris) will set up two new magnetic variometers in southern Mali at the end of March 2005. with the magnetic station Korhogo (Ivory-Coast) we reconstitute our Three-site network.

IVORY COAST

The CNET ionosonde and the LETTI radar are secured in Korhogo city by Emile Kone, awaiting a restart of the Korhogo Observatory.

BURKINA FASO

Dr Pétronille Kafando (responsible for the IGRGEA unit in Burkina Faso) who prepares a "Doctorat d'Etat" under Dr Monique Petitdidier, has published an article on his work made during her time at CETP : P. Kafandao and M. Petitdidier, Attempt to calibrate the UHF Strato-Tropospheric radar at Arecibo using NexRad radar and disdrometer data, *Annales Geophysicae*, 22, 4025-4034, 22-12-2004

BENIN

Dr Etienne Houngrinou (in charge of the IGRGEA unit in Benin) has accommodated several French teams who came surveying in Benin for the AMMA (Multidisciplinary Analysis of the African Monsoon) experiment instruments. He will directly participate with the group of Beninese diploma level students in strato-tropospheric radar studies, to be put up for 3 years from 2006 on.

VIETNAM

The vietnamese project is progressing :
Pr Alain Bourdillon has visited Vietnam in January 2005, where he selected two sites for the

GPS systems acquired by the Renne1 (France) University. The first one has been set up on the roof of the Hanoi Institute and the second one will be soon installed at 30km from Ho Chi Minh Ville.

ONERA (Pierre Laroche) is considering a delivery of antennae for lightning measurements.

CNRS is funding IGRGEA in 2005 for allowing us to organize an International Scientific Cooperation Program (PICS) in connection with IGP Paris.

JASTP/ MARCH 2005

Our paper "*On equatorial geophysics studies : a review on the IGRGEA results during the last decade*" has been published in the March 2005 issue of *Journal of Atmospheric and Solar-Terrestrial Physics*. The full results obtained so far reading 8 PhD (one in Senegal, two in France and 5 in Ivory Coast). Six other PhD and one "habilitation" are in preparation.

ISEA

International Symposium On Equatorial Aeronomy

The IGRGEA group will participate to the next 11th Internationale Symposium on Equatorial Aeronomy at Taipei (Taiwan) from May 9 to 14.

Seven communications will be presented on the following topics :

- Vietnam -France project : *integration of the geophysical processes in the Sun-Earth System*
- Project for the March 29, 2006 total solar eclipse across Africa
- Ionospheric signature of the penetration of the magnetospheric convection at equator.
- Planetary signature of the ionospheric disturbance dynamo at the magnetic equator.
- Observations of telluric electric fields in Africa during the IEEY (International Equatorial Electrojet Year)
- Model of telluric electric fields observed in Africa.
 - Spread F observation in West Africa.

**The IGRGEA letter will be mailed via internet.
If you wish it to be sent to research people,
please communicate their mail addresses.**