

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.

IVORY COAST

At the IGRGEA Saint-Maur meeting on October 11 2004, the magnetic group decided to start again in Mali the two new IPGP magnetometers. These instrument had been awaiting the restart of the equatorial three-point network, with Korhogo as Ivoirian southern station. Two engineers of the French IPG will participate, Mr André Anglade for setting up both Mali stations and Mr Gassi Taoufik for implementing the magnetic database.

Dr Olivier Obrou has ended his 9-months time Fulbright grant with Dr B. Bilitza at the NASA (USA) ionosphere modelling laboratory.

Dr Abel Kouadio is following a three month research course at CNAM in the Laboratory under Pr H. Vu Thien and in CETP. He is studying travelling Ionospheric Disturbances on a French Foreign Affairs grant.

BURKINA FASO

Dr Fredric Ouattara is following a training courses on Sciences didactique (i.e. building specific knowledge) at the French Montpellier University. His visit is financed by the Burkinese Ecole Normale at Koudougou.

BENIN

Dr E. Houngninou, who passed his these de Doctorat d'Etat in the IGRGEA, will participate to the atmospheric AMMA experiment on the African Monsoon.

VIETNAM -PROJECT

The Vietnam project has already started : The Hanoi IPG has received a magneto-telluric facility. Measurement campaigns have been operated at Dien Bien Phu in the Mekong delta. A further campaign is being prepared in the Red River delta for the end of 2004.

Dr Pham Van Ngoc is in charge of the training of Vietnamese scientists for these ground experiment. They will provide informations of the ground surface layer (5 km) and on the deep crust. One among the purposes of this study is detecting water in the terrestrial layers.

The Rennes University (Prof. Alain Bourdillon) will set up two GPS modern stations in the early 2005, and the Brittany Brest University (Prof. P. Lassudrie Duchesne) will place one more station. Each ground unit costs \$20.000. This network will allow phase and amplitude measurements of electromagnetic signals from GPS satellites as well as fine resolution of Total Electron Content (TEC).

This network will chiefly explore the ionospheric scintillation levels. The problems associated with low-latitude scintillations concern accurate Telecommunication signals including TEC, but also precise guiding techniques as for instance aircraft landing control.

The CNRS gave its support to our project :
 “ *Integrated geophysical Studies of the Solar-Terrestrial System.*”

SYMPOSIA

CONFERENCES interesting the IGRGEA
ISEA-International Symposium on Equatorial Aeronomy, Taiwan , Mai 2005
IAGA – International Association for Aeronomy and Geomagnetism, Toulouse (France), Juillet 2005
IAMAS – International Association for Meteorology and Atmospheric Studies, Pékin (Chine), Août 2005