



**IAG**  
*International Association of Geomorphologists*  
*W.G. Applied Geomorphological Mapping*



**AIGEO**  
*Associazione Italiana*  
*di Geografia Fisica e Geomorfologia*

## **International Meeting & Field Trip**

### **“Environmental Analysis and Geomorphological Mapping for a Sustainable Development”**

*Addis Ababa – Desse – Mekelle - Axum (Ethiopia)*  
*February 25<sup>th</sup> – March 6<sup>th</sup>, 2008*



#### **Organizing Institution**

*Department of Geological Sciences, Roma Tre University, Rome (Italy)*

in collaboration with:

*Department of Earth Sciences - University of Ferrara (Italy)*  
*Department of Earth Sciences - Addis Ababa University (Ethiopia)*  
*Mekelle University (Ethiopia)*

#### **Leaders**

Bekele Abebe (*Department of Earth Sciences, Addis Ababa University*)  
Paolo Billi (*Department of Earth Sciences, Ferrara University*)  
Francesco Dramis (*Department of Geological Sciences, Roma Tre University*)  
Giandomenico Fubelli (*Department of Geological Sciences, Roma Tre University*)  
Mitiku Haile (*Mekelle University*)  
Jan Nyssen (*University of Ghent, Belgium*)  
Mohammed Umer (*Department of Earth Sciences, Addis Ababa University*)



## **Programme**

### **Monday - February 25<sup>th</sup>**

*Arrival to Addis Ababa (Bole International Airport).*

*Accommodation at the Simen Hotel (Belay Zelleke Street, Addis Ababa).*

*Afternoon: registration and poster sticking at the Italian Institute of Culture (close to the Simen Hotel).*

### **Tuesday - February 26<sup>th</sup>**

*8.00 – 18.30: Poster Meeting at the Italian Institute of Culture.*

### **Wednesday - February 27<sup>th</sup>**

*Departure to Desse by bus. Ground faulting from the 1964 Karakore earthquake; morphotectonics of marginal Rift basins. Dinner and overnight in Desse.*

### **Thursday - February 28<sup>th</sup>**

*Excursion in the urban area of Desse (geology, geomorphology, landslides).  
Dinner and overnight in Desse.*

### **Friday - February 29<sup>th</sup>**

*Departure to Mekelle. Intermontane basins, ephemeral streams.  
Dinner and overnight in Mekelle.*

### **Saturday - March 1<sup>st</sup>**

*Excursion to Mt. Amba Aradam  
(geology of the Mekelle outlier, dolerite intrusions, Holocene stratigraphy, deep-seated gravitational slope deformations, landslides, gully erosion and control measures).  
Dinner and overnight in Mekelle.*

### **Sunday - March 2<sup>nd</sup>**

*Mekelle fault-line scarp, pre-Cretaceous planation surface,  
May Makden travertine dam, Dessa Forest, main Rift escarpment.  
Dinner and overnight in Mekelle.*

### **Monday - March 3<sup>rd</sup>**

*Geomorphology and agriculture: field experiment sites at Hegere Selam. Lunch in the village.  
River terraces, travertine dams. Tertiary basalt.  
Dinner and overnight in Mekelle.*

### **Tuesday - March 4<sup>th</sup>**

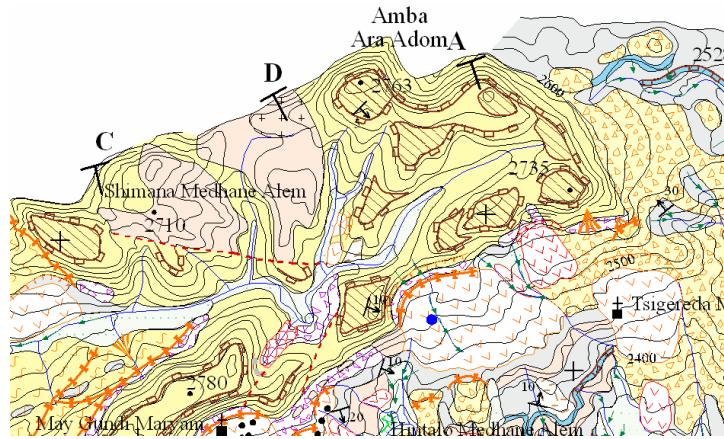
*Departure to Axum.  
Paleozoic glacials, metamorphic basement, early-Paleozoic planation surface, volcanic plugs.  
Dinner and overnight in Axum.*

### **Wednesday - March 5<sup>th</sup>**

*Geoarchaeology, visit to the Axum obelisks and Sheba Queen Palace. Dinner and overnight in Axum.*

### **Thursday - March 6<sup>th</sup>**

*Departure to Addis Ababa by flight.*



# **“Environmental Analysis and Geomorphological Mapping for a Sustainable Development”**

**Poster Meeting**  
*at the*  
**Italian Institute of Culture**  
*Belay Zelleke Street, Addis Ababa.*  
*February 26<sup>th</sup>, 2008*

## **Provisional Programme**

*8.00 - 9.00: Registration and poster sticking*

*9.00 - 9.30: Session opening - Welcome from Authorities*

*9.30 - 11.00: Poster presentation*

*11.00 - 11.30: Coffee break*

*11.30 - 13.00: Poster presentation*

*13.00 - 14.30: Lunch*

*14.30 - 16.00: Poster presentation*

*16.00 - 16.30: Coffee break*

*16.30 - 18.00: Poster presentation*

*18.00 – 18.30: Open discussion*





## Useful Tips

### Visa requirement:

Visas are required for all visitors to Ethiopia (except nationals of Djibouti and Kenya) and can be obtained from Ethiopian diplomatic missions abroad. Citizens from 33 countries including North American and most European countries can obtain their visa on arrival at the Addis Ababa airport (at the cost of 20.00 USD or 17.00 €).

### Hotel accommodation:

The participants will be hosted in Addis Ababa at the Simen Hotel, a modern comfortable hotel, with international standards, close to the Italian Institute of Culture. The overnight accommodation during the field trips will be held in good level hotels.

### Transportation:

Airport-hotel transportation will be provided by taxi. A meeting point will be organized on Monday February 25<sup>th</sup> at the airport for the participants arriving by Ethiopian Airlines, Lufthansa and Air France. The transfer from Axum to Addis Ababa on February 6<sup>th</sup> will be operated by Ethiopian Airlines flight (the participants should make their ticket in advance together with the international flight ticket). It is also possible to fly to Addis Ababa directly from the Mekelle airport.

### Altitude:

The altitude of Addis Ababa ranges between 2300 m and over 2500 m a.s.l.. The field trips will be held in the Highlands at altitudes between 3000 and 1700 m a.s.l.

### Weather conditions:

Weather conditions in February are particularly favourable for field excursions. Rain is extremely rare and air temperature is warm during day (up to more than 25-30 °C) but drops down after the sunset, often reaching few degrees in the night.

### Dresses:

Due to the high daily amplitude, the participants should bring light dresses for the day and at least a wool sweater or a warm jacket for the evening.

### Direct flights to/from Addis Ababa:

**Ethiopian Airlines:** Abidjan, Abu Dhabi, Accra, Bamako, Bangkok, Beijing, Beirut, Brazzaville, Brussels, Bujumburu, Cairo, Dar es Salaam, Dakar, Delhi, Djibuti, Douala, Dubai, Entebbe, Frankfurt, Guangzhou, Harare, Hargeisa, Hong Kong, Jeddah, Johannesburg, Juba, Khartoum, Kigali, Kilimanjaro, Kinshasa, Lagos, Libreville, Lilongwe, Lomé, London, Luanda, Lusaka, Mumbai, Nairobi, N'Djamena, Paris, Rome, San'a, Tel Aviv, Washington D.C., Zanzibar.

**Lufthansa:** Frankfurt. **British Airways:** London. **Air France:** Paris.



# UNIVERSITÀ DEGLI STUDI "ROMA TRE"

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## International Meeting & Field Trip "Environmental Analysis and Geomorphological Mapping for a Sustainable Development"

*Addis Ababa – Desse – Mekelle - Axum (Ethiopia)  
February 25<sup>th</sup> – March 6<sup>th</sup>, 2008*

### Registration form

Name (title) \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

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### Registration fees

**Meeting & Field Trip** (including hotel accommodation and meals from February 25<sup>th</sup> to March 6<sup>th</sup>)  
**750.00 €**

The payment should be made before January 21<sup>st</sup>, 2008 via **bank transfer** payable to:

Università degli Studi Roma Tre, via Ostiense 161, 00154 Roma  
bank account number 638/8079 c/o Banca di Roma, Agenzia 108, via Ostiense 105, 00154 Roma  
ABI: 03002.3; CAB: 03252.4; CIN: F  
IBAN: IT35F0300203252000000008079; SWIFT: BROMITR1108  
specifying the following: Dipartimento Scienze Geologiche – Meeting Ethiopia 2008.  
Note: all banking fees should be settled by the remitter.

Late payments will include a 20% surcharge.

Please send this form and a copy of the bank transaction to Francesco Dramis by e-mail ([dramis@uniroma3.it](mailto:dramis@uniroma3.it)) or fax (+39 06 54888 201/209) before January 21<sup>st</sup>, 2008

After receipt of payment an invoice will be send to the registrants. All changes or cancellations must be made in writing. For cancellations received after February 7<sup>th</sup> no refund will be made.