

PROJET MAWARI

Sustainable management of groundwater resources in the East-African Rift system
Gestion durable des ressources en eau souterraine dans le système du Rift est-africain

Annual meetings / Réunions annuelles

20 - 24 November 2007, Addis Ababa

Venue : University of Addis Ababa (AAU)

AGENDA / PROGRAMME

Monday / Lundi 19 November 2007

Arrival of participants / Arrivée des participants

Tuesday / Mardi 20 November 2007

08:30 – 09:00 ***Registration of participants / Enregistrement des participants***

09:00 – 10:00 ***Opening Ceremony / Cérémonie d'ouverture***

- Mr. Tsige Gebremariam Vice President for Research for academic affairs, AAU
- Mr. Araya Asfaw Dean Faculty of Sciences, AAU
- Mr. Ahmed Mustefa Associate Dean for Research and Graduate Program
- Mr. Pascal Perron Attaché de Coopération, French Embassy in Ethiopia
- Mr. Abebe Ayenew Director Research & Development, Ministry of Water Resources
- Mr. François Pinard Managing Director, CIFEG
- Mr. Tolossa Shagi Director General, Geological Survey of Ethiopia
- Mr. Abebe Mekuriaw Ethiopian Science and Technology Agency
- Mr. Amenti Abraham Chief Geologist, Geological Survey of Ethiopia
- Mr. Dereje Ayalew President, Dessie University

Moderator: M. Balemwal Atnafu, Head of Earth Sciences Department, AAU

10:00 – 10:30 ***Coffee break / Pause café***

Presentation of the current progress of the four projects / communications on the main scientific results / Perspectives for the next two years.

Présentation de l'avancement actuel des quatre projets / communications sur les principaux résultats scientifiques / Perspectives pour les deux prochaines années.

Moderator C. Gaye

10:30 – 11:00 **Kenya.** Studies of pollution and vulnerability to pollution of groundwater in the Kenyan rift: Current status of the project. **Justus Barongo**

11:00 – 11:30 **Kenya.** Geology, hydrogeology and hydrochemistry of the Nakuru-Elementeita-Naivasha watershed, Kenyan rift. **Demis Alamirew, Daniel Olago, Tesfaye Korme and Justus Barongo**

11:30 – 12:00 **Kenya.** Assessing vulnerability of groundwater to pollution in a fractured volcanic rift basin environment: Case study from the Kenyan rift system. **John Ogalo Achando, Ezekiel Kemboi, Justus Barongo and Daniel Olago**

- 12:00 – 12:20 **Kenya.** Chemical pollution of surface and groundwater in the northern half of the Kenyan rift. **Daniel O. Olago**
- 12:20 – 12:40 **Kenya.** Land degradation in the Lakes Baringo–Bogoria basin within the Kenyan rift system. **Simon N. Wanjogu**
- 12:40 – 13:00 **Kenya.** Spatial distribution of groundwater potential & chemistry in the lowlands of Baringo district. Presentation of Chrispine O. Juma PhD and Perspectives for the next two years. **Justus Barongo / Eliud Mathu**
- 13:00 – 14:00 **Lunch / Déjeuner**
- 14:00 – 14:30 **Djibouti.** Hydrogeological experimental site of Atar. Current status of the project. **Mohamed Jalludin. Moderator M. Laval**
- 14:30 – 15:00 **Djibouti.** Dynamics of continental extension in the SE part of the Afar rift (Djibouti). Volcanism / tectonic relationships from 30 My to Present in a plume context / Problems methodology and results. Mohamed Ahmed Daoud, Bernard Le Gall et **Joël Rolet**
- 15:00 – 15:30 **Djibouti.** Geophysical studies on the experimental hydrogeological site of Atar. Update and present results. **Hassan Magareh, Pascal Tarits & Sophie Hautot**
- 15:30 – 16:00 **Coffee break / Pause café**
- 16:00 – 16:30 **Djibouti.** Presentation of the results of isotope geochemistry on the experimental hydrogeological site of Atar. **Bouh Houssein**
- 16:30 – 17:00 **Djibouti.** Identification of the brackish water pockets and approach of modelling of the aquifer of Basalts of the Gulf. Abdourahman Gaba, Mohamed Jalludin & **Moumtaz Razack**
- 19:30 **Cocktail party offered by the Addis Ababa University**

Wednesday / Mercredi 21 November

Presentation of the current progress of the four projects / communications on the main scientific results / Perspectives for the next two years. (to be continued)

Présentation de l'avancement actuel des quatre projets / communications sur les principaux résultats scientifiques / Perspectives pour les deux prochaines années (suite)

Moderator : M. Laval

- 09:00 – 09:30 **Djibouti.** Pumpings tests made on the experimental hydrogeological site of Atar. **Mohamed Jalludin**
- 09:30 – 10:00 **Djibouti.** Perspectives for the next two years. **Mohamed Jalludin**
- 10:00 – 10:30 **Coffee break / Pause café**
- 10:30 – 11:00 **Ethiopia.** Systematic groundwater investigation in selected sites of the Ethiopian rift. Current status of the project. **Dr Dagnachew Legesse. Moderator M. Razack**
- 11:00 – 11:30 **Ethiopia.** Model-based groundwater system analysis in selected sites within the Ethiopian Rift valley. **Dr Tenalem Ayenew**
- 11:30 – 12:00 **Ethiopia.** Lithostratigraphical set up, Groundwater flow and Hydrogeochemical evolution in the volcanic aquifers of Main Ethiopian Rift & Adjacent Highlands, Central Ethiopia. **Andarge Yitbarek**

- 12:00 – 12:30 **Ethiopia.** Water resources utilisation and its social and environmental impacts in Lake Abiyata & surroundings: WEAP model. **Tigist Tadesse** AAU Master Student
- 12:30 – 12:45 **Ethiopia.** Hydrogeological system analysis of the middle and lower Awash basin (*Presentation of the future research of Wakgari Furi*). **Andarge Yitbarek**
- 12:45 – 13:00 **Group Photo / Photo de groupe**
- 13:00 – 14:00 **Lunch / Déjeuner**
- 14:00 – 14:20 **Ethiopia.** Water resources management around Lake Abiyata. Objectives and expected outputs. **Abiyu Kebede**
- 14:20 – 14:40 **Ethiopia.** Water use efficiency in natural vegetation and irrigated areas by remote sensing and geophysics. **Hawi Abate**, Christophe Delacourt, Dagnachew Legesse & Sophie Hautot
- 14:40 – 15:10 **Ethiopia.** Trends in stable isotopes and trace element compositions along selected transects of the Rift: new results. **Seifu Kebede**
- 15:10 – 15:30 **Ethiopia.** Systematic groundwater investigation in selected sites of the Ethiopian rift - Perspectives for the next two years. **Dr Dagnachew Lagesse** and **Dr Seifu Kebede**
- 15:30 – 16:00 **Coffee break / Pause café**
- 16:00 – 16:30 **Ethiopia.** Origin, genesis & distribution of fluoride in the Ethiopian rift, development of defluoridation techniques. Current status of the project. **Dr Berhanu Gizaw**
- 16:30 – 17:00 **Ethiopia.** Possible evolutions of the project - reconfiguration, new objectives Perspectives for the next two years. **Dr Berhanu Gizaw**
- 17:00 - 17:30 **Ethiopia.** Projects synthesis. **Dr Balemwal Atnafu**
- 19:30 **Free dinner / Diner libre**

Thursday / Jeudi 22 November

- 09:00 – 09:30 Presentation of **e-mawari**, a common platform of information. **François Pinard**
- 09:30 – 10:00 Workshops in 2008. **C. Gaye**
- 10:00 – 10:30 Publications policy, GEF - UNESCO additional proposal on transboundary aquifers. **Francois Pinard**
- 10:30 – 11:00 **Pause café / Coffee break**
- 11:00 – 13:00 **Consultative Scientific Committee meeting / Réunion du Comité scientifique consultatif** Cheikh Gaye, Michel Laval, Joël Rolet, Moumtaz Razack, François Pinard, Mohamed Jalludin, Justus Barongo, Eliud Mathu, Tesfaye Korme, Balemwal Atnafu, Dagnachew Legesse, Seifu Kebede, Berhanu Gizaw.
- 13:00 – 14:00 **Lunch / Déjeuner**

- 14:00 – 16:00 **Steering Committee meeting / Réunion du Comité de pilotage**
Pascal Perron (SCAC), François Pinard, Gamal-Din Houssein Ali (Direction de l'Eau, Djibouti), Mohamed Jalludin, Abebe Ayenew Bekele (Ministry of Water Resources, Head, R & D Dept.), Balemwal Atnafu, Oyule Ngata (Ministry of Water and Irrigation, Kenya), Justus Barongo
- 16:00 – 16:30 **Coffee break / Pause café**
- 16:30 – 17:30 **Communication of conclusions of Consultative Scientific & Steering Committees to Mawari project participants / Restitution des conclusions des comités scientifique et de pilotage à l'ensemble des participants du projet Mawari**
- 18:30 **Cocktail party offered by the French Embassy (with invitation)**

Friday / Vendredi 23 November

- 07:00 Geological excursion to Langano Lake (Ethiopian rift valley)
Early departure from GHION Hotel
- 12:30 **Lunch en route**
- 18:00 Arrival at the Wabi Shebele Resort Hotel
- 20:00 **Free Dinner / Diner libre**

Saturday / Samedi 24 November

- 09:00 Departure from Wabi Shebele Resort Hotel

Visit of volcano lakes in Debre Zeit
- 13:00 **Farewell Lunch at Kiriftu Resort**
- 18:00 Arrival in Addis Ababa

End of the annual meetings

Departure of foreign participants (as per detailed schedule)

Venue / Lieu des réunions

Addis Ababa University, Arat Kilo Campus, Dept. of Earth Sciences
Phone (251) 111 123.94.62
e-mail balem@geol.aau.edu.et
web site: <http://www.aau.edu.et>

Accommodation / Hébergement

Ghion Hotel, PO Box 1643, Addis Ababa
Phone (251) 1.55.13.222 / Fax (251) 1.55.05.150
e-mail: ghion@ethionet.et
web site: www.ghionhotel.com.et

- (Friday night) Wabi Shebele Resort Hotel, Langano
Phone (251) 11 551.74.00 / Fax (251) 11 551.84.77
e-mail: washo.et@telecom.net.et
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