



International Conference and Exhibition on Groundwater in Ethiopia 25-27 May, 2004.

UNECA-Conference Center, Addis Ababa, Ethiopia

Theme: *“Providing Water for Millions”*

Objectives: To bring together different Researchers, Practitioners, Beneficiaries, and Financiers, to an international conference on groundwater management with special focus on Ethiopia. The deliberations, exchange of ideas and knowledge shared are expected to contribute towards developing low cost and sustainable Groundwater development strategy in Ethiopia and other developing Countries.

Tentative Program

Day 1: May 25, 2004

Opening Session

8:30 – 9:00 AM	Registration of participants
9:00 – 9:10 AM	UNICEF’s World Wide role in Groundwater Development, Vanessa Tobin, UNICEF Chief WES, UNICEF-New York.
9:10 – 9:20 AM	UNICEF’s role in Groundwater Development in East and Southern Africa, UNICEF Regional Director, Eastern and Southern Africa
9:20 – 9:30 AM	Welcome and Role of UNICEF in support to Groundwater in Ethiopia, Bjorn Ljungqvist, UNICEF-Ethiopia Representative
9:30 – 9:35 AM	Key Note Address by ECA: Strategies for sustainable groundwater management in Africa
9:35 – 9:40 AM	Key Note Address by Ethiopian Geological Survey (EGS):
9:40 - 9:45 AM	Key Note Address MoFED, Ethiopia.
9:45 – 9: 50 AM	Children’s song/Performance
9: 50 – 10:00 AM	Video clip show
10:00 – 10:15 AM	Conference Program & Opening Remark by MoWR
10:15 – 10:30 AM	Official opening by Ato Shieferaw Jarso – Minister, Ministry of Water Resources Development - Ethiopia
10:30 - 11:00 AM	Tea Break & Exhibition Opening by the Guest of Honor & Alen Court, UNICEF Director of supply Operations





Session: 1 Practical Experience in Groundwater Management

11:00 – 12: 30 AM Country/Regional presentations

11:00 – 11:10 AM	Oromiya Region Presentation
11:10 – 11:20 AM	Addis Abeba regional Presentation
11:20 – 11:30 AM	SNNPRS Region Presentation
11:30 – 11:40 AM	Tigray Region Presentation
11:40 – 11:50 AM	Benshangul Region Presentation
11:50 – 12:30 AM	Discussion and Reflection on Regional Presentations focusing on groundwater problems and possible solutions
Session Chair:	Ato Abera Mekonen (Chief Engineer, MoWR - Ethiopia)
Rapporteur:	Ato Getachew Abdi (MoWR)

12:30 – 2:00 PM Lunch Break

2:00 – 2:50 PM Presentation from Academic and Research Institutions

2:00 – 2:10 PM	Arba Minch Water Technology Institute
2:10 – 2:20 PM	Ethiopian Geological Survey
2:20 - 2:30 PM	US Geological survey
2:30 – 2:40 PM	Canadian Geological survey
2:30 – 2:40 PM	Addis Ababa University
2:40 - 2:50 PM	Dr. Tilahun/ Prf Redda
Session Chair:	Dr. Seleshi Bekele (Arba Minch Water Technology)
Rapporteur:	Ms. Marta (MoWR)

2:530 – 3:20 PM Presentations from NGOs

2:50 – 3:00 PM	Presentation by Relief Society of Tigray (REST)
3:00 – 3:10 PM	EOC - Development Commission
3:10 – 3:20 PM	Norwegian Church Aid (NCA)/ World Vision

3:00 – 3:30 PM Tea Break

Session Chair:	Ato Akalweld Bantyeru (CRDA)
Rapporteur:	Ato Habtamu Gesses/ Helen Pankrust (Water Aid)

3:30 – 4:00 PM Presentations from and about the Private Sector intervention in Groundwater

3:30 – 3:40PM	Low cost drilling initiatives- Julian Jones-RWSN- Switzerland
3:40 – 3:50 PM	Drilled Water wells in Africa- Cost, Management and Equipment- Peter Ball- Pat-Drill Europe
3:50 – 4:00 PM	Drilling in India- the transition from government operated drilling to private sector intervention- the effects on cost and capacity building- Rupert Talbot
4:00 – 5:30 PM	Discussion and Reflection on Presentations
Session Chair:	To be nominated (Ethiopia Chamber of Commerce/ Ministry of Industry & Commerce)
Rapporteur:	Ato Mesfin Shenkut (Private Consultant)

Day 1: Parallel sessions





11:00 AM – 6:00 PM

Exhibition

Country Presentations

- 2:00 – 2:10 PM Presentation from Nigeria
- 2:10 – 2:20 PM Perspectives on drilling, Mansoor Ali, UNICEF Senior Advisor, New York
- 2:20 – 2:30 PM Presentation from Kenya on water quality
- 2:30 – 2:40 PM The Hand pump Option, Peter Wurzel, UNICEF Global consultant
- 2:40 – 2:50 PM Presentation from Sudan
- 2:50 – 3:00 PM Presentation from India
- 3:00 – 3:10 PM Presentation from Pakistan
- Session Chair: Bjorn Ljungqvist, UNICEF Country director - Ethiopia
- Rapporteur: Mr. Hans Spruijt (UNICEF- Ethiopia)

Day 2: May 26, 2004

Session:2 Thematic Presentations

- 9:00 – 9:10 AM Ground Water Resources Inventory and mapping (Waterloo Hydrogeologic Consultants)
- 9:10 – 9:20 AM Strategic Planning for sustainable groundwater management Ato Ketema- EGS
- 9:20 – 9:30 AM Water Balance Evaluation, leakage rate and total water loss of Koka Reservoir- No 5
- 9:30 – 9:40 AM Development of Mapping and Assessment tools for sustainable Groundwater management in Ethiopia- NO 3
- 9:40 – 9:50 AM Volcanic hydrogeology in some parts of Amhara region
- 9:50 – 10:30 AM Discussion and reflections on the presentations
- Session Chair: Mr. Yohannes G/Medhin (MoWR)
- Rapporteur: Ato Mesfin Aytenfesu

10:30 - 11:00 AM Tea Break

- 11:00 – 11:15 AM Case studies in pump test activities in Ethiopia -NO-9
- 11:15 – 11:30 AM Presentation on hand pumps- NO-6
- 11:30 – 11:45 AM Optimum utilization of water resources through surface and groundwater development in Tigray region
- 11:45 – 12:00 AM Groundwater quality models for sabean Well field NO-4
- 12:00 – 12:30 AM Discussion and Reflection on thematic Presentations
- Session Chair: Ato Fekadu Debalke (Amhara National Regional State)
- Rapporteur: Pile Foundation PLC

12:30 – 2:00 PM Lunch Break

- 2:00 – 2:10 PM Characterization of the groundwater system and its implications for development in parts of the Awash and Ziway basins.-NO-2
- 2:10 – 2:20 PM Regional Hydro geological Investigation of Northern Ethiopia- NO-1
- 2:20 – 2:30 PM Case Study of Hydro geological Mapping Project of Yergalem and Kilisa. -NO-7
- 2:30 - 2:40 PM Problems in using borehole safe yield calculation -NO-13.
- 2:40 - 2:50 PM a database for groundwater management in Ethiopia – Pat Tucci - USGS
- 2:50 - 3:00 PM Information systems and GIS for groundwater Management- NO-12.





3:00 – 3:30 PM

Tea Break

3:30 – 3:40 PM

Case Studies on Water Well Drilling & Well Completion Problems with proposed Solutions- -NO-11

3:40 - 3:50 PM

Tracing of leakage path of Koka reservoir, Ethiopia- No-8.

3:50 - 4:00 PM

The Transfer of Canadian Technology in Groundwater Management to Developing Nations: example of NE-Brazil No-16.

4:00 – 5:30 PM

Discussion and reflections on the presentations

Session Chair: Ato Teshome Workie

Rapporteur: Ato Yakob Arsamo

Day 2: Parallel sessions

11:00 AM – 6:00 PM

Exhibition

Presentation on key issues

2:00 – 2:10 PM

Effective drilling systems & economics for rural water supply- Amar Raj Sehmi

2:10 – 2:20 PM

State of Ethiopian Groundwater 2004- Getachew H/Michael, Ethiopian Geological Survey

2:20 – 2:30 PM

Drilling cost and options of drilling cost reduction-, The Ethiopian Water Works Design & Supervision Enterprise

2:30 – 2:40 PM

Sustainability of water supply systems- Atnafe Beyene & Rahel Kaba

2:40 – 2:50 PM

Design of water wells & Optimization of water well drilling

2:50 – 3:00 PM

Short-term training for water well drillers & Standard for Groundwater equipment and materials - JICA

3:00 – 3:10 PM

Local artisans presentations

3:10 – 3:20 PM

Operation and administration of groundwater

3:20 – 3:30 PM

Advocacy and Promotion for Groundwater management - World Vision

Session Chair: UNICEF

Rapporteur: ECA

Day 3: May 27, 2004

Session:3 Next steps & Way forward

Break out Session: 9:00AM – 10:30 AM- discussions on main issues and " What is to be done? "

9:00 – 9:10 AM

Group formations

- **Group 1** **Enabling Environment-** Institutions, legislation, Regulation, policy, strategy and governance, information systems. Environment and resource protection
- **Group 2** **Stakeholders-** identification of different partners and definition of their respective roles, PPP and PSP
- **Group 3** **Technology-** Design, Study, mapping, exploration, quality, equipment, tools, planning, development, utilization
- **Group 4** **Socio- Economics,** partnership and participation, cost effectiveness of technology, cost optimization, strategy for GW financing.





- **Group 5 Capacity Building, Human resources and Knowledge enhancement, Systems development, Facilities, Advocacy promotion and incentives**

9:10 – 10:30 AM Group discussions

10:30 - 11:00 AM Tea Break

Group Presentations: 11:00am – 12:30am

11:00 – 11:10 AM Presentation by group 1
 11:10 – 11:20 AM Presentations by group 2
 11:20 – 11:30 AM Presentation by group 3
 11:30 – 11:40 AM Presentation by group 4
 11:40 – 11:50 AM Presentation by group 5
 11:50 – 12:30 AM Discussion and Reflection on Group Presentations
 Session Chair: Ato Mohammed Abdulwahib (Chief Economist, MoWR-Ethiopia)
 Rapporteur: Ato Bekele Gadesa (Water works Construction Enterprise)

12:30 – 2:00 PM Lunch Break

Concluding, Way Forward: 2:00pm – 3:00pm

2:00 – 2:10 PM Summary of Regional presentations
 2:10 – 2:20 PM Summary of research institutions presentations
 2:20 – 2:30 PM Summary of NGOs presentations
 2:30 – 2:40 PM Summary of Private Sector presentations
 2:40 – 2:50 PM Summary of day 1 parallel session
 2:50 – 3:00 PM Summary of day 2 parallel session

Session Chair: Ato Teka Gebru (UNICEF-Ethiopia)
 Rapporteur: Ato Girma Haliu (UNDP-Ethiopia)

3:00 – 3:30 PM Tea Break

3:30 – 3:50 PM Summary of thematic presentations
 3:50 – 4:00 PM Summary of day 3 parallel session
 4:00 – 4:10 PM Summary of Break out sessions
 4:10 – 4:15 PM Performance by Singing Wells/ Video Clip show
 4:15 – 4:20 PM Performance by local artist (Azmarai) on Water from Amhara
 4:20 – 5:00 PM The Way forward (Ato Sahle Sisay, New Mellinium)
 5:00 – 5:20 PM Networking, evaluation & announcements
 5:20 – 5:30 PM Closing remark

Session Chair: Ato Shiferaw Jarso/Ato Mesfin Tegene
 Rapporteur: Max (Africa Water Forum)

Day 3: Parallel sessions

11:00 AM – 6:00 PM Exhibition

Stakeholders reflections.

9:00 – 9:10 AM Women & Socio economic issues





9:10 – 9:25 AM	Reflections from USAID, DFID and EU
9:25 – 9:35 AM	Planned WSS Program in Ethiopia - The Private sector participation and Decentralization – Robert Roche (World Bank)
9:35 – 9:45 AM	UNICEF’s experience in the WATSAN sector – UNICEF New York
9:45 – 9:50 AM	WSP’s contribution to the WATSAN sector in Ethiopia – Piers Cross
9:50 – 10:00 AM	Rural Water Supply Program in Africa, Implementation Arrangement in Ethiopia– Ato Habte selase (African Development Bank)
10:00 – 10:10 AM	Climate, draught & Water resources – Metrology service Agency
10:10 – 10:20 AM	Experience from Hand pump research – HTN
10:20 – 10:30 AM	Statement from The Ethiopian Water Resources Association (EWRA)
10:30 – 11:00 AM	Caucus to establish “ African Ground Water Association ”

Session Chair: Ato Amhayesus Metaferia
Rapporteur: Dr. Tsigie

