

GeoGen2013 in Addis Ababa, Radisson Blu Hotel, February 5-7

Preliminary Programme

Tuesday, February 5	
Time	
8:00	Conference desk opens, bag pick-up
9:00	Welcome and introductory speeches
10:00	A mitigation framework for geogenic contamination and the idea of “GeoGen2013” <i>Dr. Annette Johnson, Eawag, Switzerland</i>
10:30	Coffee Break
11:00	Session 1: Health Challenges for Fluoride and Arsenic Mitigation Water quality and the post-2015 Millennium Development Goals <i>Dr. Richard Johnston, Eawag, Switzerland</i>
11:20	Keynote Presentation: Fluoride poisoning effects in pregnant women, infants and children: Simple and easy to practise interventions for the community” <i>Prof. A. K. Susheela, Fluorosis Research and Rural Development Foundation, Delhi, India</i>
11:50	Assessment of Daily Fluoride Intake of Adult Person Living in Selected Households of Dugda Woreda, Rift Valley <i>Meseret Desalegne, Addis Ababa University</i>
12:10	Household-level variation in fluorosis outcomes in the Ethiopian Rift <i>Christopher Paul, Duke University, USA</i>
12:30	Lunch
13:30	Session 2: Arsenic Mitigation Keynote Presentation 1: Towards for-profit testing of groundwater for arsenic in South Asia <i>Prof. Lex van Geen, Columbia University, USA</i>
14:00	Sustainability Indexing: A holistic method of evaluation <i>Tamara Etmanski, Oxford University, UK</i>
14:20	Community-Based Approach for Sustainable Arsenic Mitigation - Case Studies from Indian Villages <i>Prof. Anirban Gupta, Bengal Engineering and Science University, Howrah, India</i>
14:40	Technology and institutional challenges in sustainable access to safe rural drinking water supply in arsenic affected coastal areas: A Bangladesh Experience <i>Prof. Bilqis Amin Hoque, Uttara University, Bangladesh</i>
15:00	Coffee Break
15:30	Keynote Presentation 2: Sustainable Fluoride and Arsenic Mitigation Technologies in the Developing World : Challenges and Progress <i>Prof. Arup Sengupta, Lehigh University, USA</i>
16:00	Addressing Arsenic Mass Poisoning in South Asia with innovative technology and social embedding: ECAR field tests in West Bengal, 2009-2011 <i>Prof. Ashok Gadgil, Dr. Susan Addy, Lawrence Berkeley National Laboratory, USA</i>
16:20	Alternative Water Sources in Regions of Geogenic Contamination: Impact Evaluation and the Challenge of Optimization <i>Dr. Jim Chamberlain, University of Oklahoma, USA</i>
16:40 – 18:00	Poster Session

Wednesday, February 6	
Time	
9:00	Session 3: Behaviour Change Keynote Presentation: Behaviour change for safe water consumption <i>Prof. Hans-Joachim Mosler, Eawag, Switzerland</i>
9:30	Development and evaluation of behaviour change campaigns to increase consumption of fluoride-free water in rural Ethiopia <i>Alexandra Huber, Eawag/Addis Ababa</i>
9:50	Use and Acceptance of Available Arsenic-Safe Drinking Water Options in Rural Bangladesh <i>Mohammad Mojahidul Hossein, Bangladesh</i>
10:10	Dynamics of social acceptability of arsenic mitigation technologies in Rural Bangladesh : Lessons from three technologies <i>Debasish Kundu, Wageningen University, The Netherlands</i>
10:30	Coffee Break
11:00	Session 4: Fluoride Mitigation Keynote Presentation 1: <i>Dr. Feleke Zewge, Addis Ababa University</i>
11:30	Distribution of fluoride in groundwater from arid areas of Western India <i>Dr. Chander Kumar Singh, TERI University, India</i>
11:50	Chemodefluoridation process – An Effective Household Defluoridation <i>Poonam Gwala, NEERI, India</i>
12:10	Increasing the utilization of defluoridation technology: A case study of Nakuru technology (pellets) <i>Esther Wanja, Nakuru Defluoridation Company, Kenya</i>
12:30	Lunch
13:30	Keynote Presentation 2: Health based targets and integrated fluorosis mitigation – field experiences from Madhya Pradesh, India <i>Dr. Samuel Godfrey, Unicef Ethiopia</i>
14:00	Optimizing Fluoride Removal Materials for Drinking Water in Ethiopia <i>Laura Brunson, Oklahoma University, USA</i>
14:20	Development and Field Implementation of a Novel Aluminium Hydro(oxide)-Based Technique for Fluoride Removal in Rural Ethiopia <i>Eyobel Mulugeta, Addis Ababa University, Ethiopia</i>
14:40	Costs of Fluoride Removal Technologies in Ethiopia <i>Lars Osterwalder, Desert Rose Consultancy, Ethiopia</i>
15:00	Coffee Break
15:30	Country Case Study: Bangladesh <i>Prof. Kazi Matin Ahmed, Dhaka University, Bangladesh</i>
16:00	Country Case Study: USA <i>Prof. David Sabatini, Oklahoma University, USA</i>
16:30 – 18:00	Poster Session
19:00	Conference Dinner

Thursday, February 7	
Time	
9:00	Session 5: Drivers for Implementation (Policy and Business) Keynote Presentation 1: Scaling-up safe water solutions: importance of policies and financing <i>Dr. Margaret Montgomery, WHO Geneva</i>
9:30	Water Security Pilot Programme in the Brahmaputra Floodplains in Assam - Opportunities and Challenges <i>Runti Choudhury, Indian Institute of Technology Guwahati, Assam, India</i>
9:50	Enhancing access to safe drinking water in urban Nepal <i>Dr. Bijaya Shrestha, Town Development Fund, Nepal</i>
10:10	Community Managed Project approach: an opportunity to improve the ownership in fluoride mitigation <i>Arto Suominen, COWASH, Ministry of Water and Energy, Ethiopia</i>
10:30	Coffee Break
11:00	Keynote Presentation 2: Sustained fluoride education: a practical approach to increase consumption of treated water amongst the peri-urban poor <i>Kariuki Mugo, WSUP Kenya</i>
11:30	Public Private Partnership or Privatising Public's Sphere : A Structural Understanding <i>Dr. S. Mohammad Irshad, Tata Institute of Social Sciences, Mumbai, India</i>
11:50	Business model innovations for scaling-up drinking water businesses in developing countries <i>Dr. Heiko Gebauer, Eawag, Switzerland</i>
12:10	<i>To be confirmed</i>
12:30	Lunch
13:30	Country Case Study: India <i>Dr. Pawan Labhassetwar, NEERI, India</i>
14:00	Country Case Study: Ethiopia <i>Prof. Redda Tekle-Haimanot, Addis Ababa University, Ethiopia</i>
14:30	Country Case Study: Ghana <i>Dr. Jarvis Ayamsegna, World Vision Ghana</i>
15:00	Coffee Break
15:30	Panel Discussion
16:30	Wrap-Up

Friday, February 8	
Field Trip to sites of active fluoride mitigation in the Ethiopian Rift Valley	

Posters

Aluminium-fluoride chemical interactions during alum coagulation and associated effects on drinking water treatment

Katherine Alfredo, The University of Texas at Austin, USA

Rainwater harvesting as an alternative to underground water

Viola Bwanika-Semyalo, Uganda Rainwater Association

Release mechanism and mobilization process of arsenic contamination in unexplored parts of Brahmaputra Floodplains in Assam

Runti Choudhury, IIT Guwahati, India

Natural Zeolites from Ethiopia for elimination of Fluoride

Isabel Diaz Carretero, Addis Ababa University, Ethiopia

Study of High Arsenic and Fluorides in Groundwaters in parts of Eastern India: Geochemical and Health implications and Future Sustainability Needs

Saugata Datta, Kansas State University, USA

Promoting arsenic-safe water consumption in Bangladesh: Increased effects of evidence-based behavior change techniques

Jennifer Inauen, Eawag, Switzerland

Independent and fluoride-modifying effects of non-fluoride elements in groundwater on dental fluorosis risk among rural residents of Main Ethiopian Rift

Julia Kravchenko, Duke University, USA

The Health Effects of Fluorosis in the Ethiopian Rift Valley

Anne Kroeger, University of Oklahoma, USA

Arsenic adsorption treatment system for rural area in Sahelian countries

Franck Lalanne, Zie Fondation, Ouagadougou, Burkina Faso

Sustainable Arsenic Mitigation Options for Rural Drinking Water Supply in Nepal

Guneshwar Mahato, Rural Water Supply & Sanitation Project in Western Nepal

Comparison of uptake capacity and regeneration of filter materials to remove fluoride

Marcel Mathis, Eawag, Switzerland

De-fluoridation Using Waste Residue Extract from Alum Manufacturing and Assessing its Effect on Drinking Water Quality

Beshah Mogesse, Arba Minch University, Ethiopia

Bone char-based treatment for fluoride removal from drinking water in the rural community of Patar (Senegal)

Daniela Palazzini (Luca Rondi), University of Brescia, Italy

Elevated fluoride and other toxic elements in drinking groundwater and prevalence of dental fluorosis in rural inhabitants of Main Ethiopian Rift

Tewodros Rango, Duke University, USA

Potential for integrated management of alternative, fluoride-free drinking water sources through social entrepreneurship

Chelsea Ransom, Alicia Ritzenhaler, University of Michigan, USA

Bone char based Defluoridation: Implementation Experience in the Ethiopian Rift Valley

Esayas Samuel, Oromia Self-Help Organization (OSHO), Ethiopia

Irrigation-induced recharge flushes mobile arsenic from shallow groundwater in the Bengal Basin, Bangladesh

Mohammad Shamsudduha, University College London, UK

Household arsenic removal from groundwater with alum salts and potassium permanganate

Sabrina Sorlini (Luca Rondi), University of Brescia, Italy

Provision of fluoride free drinking water in Kenya: A case study of Nakuru Defluoridation Company Ltd.

Esther Wanja, Nancy Wanjiku, Julius Kubai, Nakuru Defluoridation Company, Kenya

Towards a management strategy for fluoride threatened groundwater: A case study from Namibia

Heike Wanke, University of Namibia, Windhoek