



MANY SPECIES • ONE PLANET • ONE FUTURE
WORLD ENVIRONMENT DAY



United Nations Environment Programme



SEMINAR

Environmental and Ecological Risks of Toxic Metal Pollution from Natural and Anthropogenic Sources Problems, Challenges and Remedies

June 7, 2010



Organizers

Royal Institute of Technology (KTH), Stockholm
KTH-International Groundwater Arsenic Research Group, Department of Land and Water
Resources Engineering,

Uppsala University, Uppsala
Department of Earth Sciences
Department of Oncology, Radiology and Clinical Immunology

Swedish Maritime Environmental Markets, Uppsala

Indian Institute of Technology Bombay (IIT-B), Mumbai, India
Centre for Environmental Science and Engineering (CESE)

Venue: Royal Institute of Technology (KTH) – Teknikringen 76



MANY SPECIES • ONE PLANET • ONE FUTURE WORLD ENVIRONMENT DAY



United Nations Environment Programme



Programme

08:30 – 09:20	Registration
09:20 – 09:25	Welcome to KTH campus by Prof. Prosun Bhattacharya
09:25 – 09:30	Overview of the workshop by Prof. Shyam R. Asolekar
09:30 – 10:15	Water Pollution - Water Pathways and quality genesis principles Prof. Malin Falkenmark <i>Swedish International Water Institute, Stockholm</i>
10:15 – 11:00	Overview and Status of Knowledge in Metal Biology: Lessons for Pollution in Terrestrial Ecosystem Prof. Dr. Ulf Lindh <i>Research in Metal Biology, Rudbeck Laboratory, Uppsala University</i>
11:00 – 11:15	Tea / Coffee
11:15 – 11:45	Heavy Metal Pollution or the Geological Background? Establishing Reference Metal Concentrations in Swedish Rivers Dr. Roger Herbert <i>Department of Earth Sciences, Uppsala University</i>
11:45 – 12:25	Global Overview of Natural Arsenic in Groundwater and Strategies for Sustainable Arsenic Mitigation Prof. Prosun Bhattacharya <i>KTH-International Groundwater Arsenic Research Group, Department of Land and Water Resources Engineering, Royal Institute of Technology (KTH), Stockholm</i>
12:25 – 13:25	Lunch
13:25 – 14:00	Challenges for Provision of Safe Drinking Water and Implementation in Regions with High Arsenic Groundwater in Bangladesh Mr. Mattias von Brömssen <i>Ramböll Sweden AB and KTH, Stockholm</i>
14:00 – 14:30	Groundwater Management in Bangladesh-What lessons we have learnt? Prof. Kazi Matin Ahmed <i>Department of Geology, University of Dhaka, Dhaka, Bangladesh</i> <i>Visiting Professor, KTH, Linnaeus-Palme Academic Exchange Program</i>
14:30 – 15:15	Mineral Balance: An Essential for Drinking Water Quality? Dr. Ingegerd Rosborg <i>Cost Action 637, KTH, Sweden</i>
15:15 – 16:00	Tea / Coffee
16:00 – 16:20	The State-of-Art of Ship Dismantling and Recycling: Environmental and Ecological Implications of Trace Metal Pollution by Ship Dismantling and Recycling Prof. Shyam R. Asolekar <i>CESE, IIT Bombay, India</i>
16:20 – 16:40	The Status of Marine Pollution in India: Preliminary Multi-sectoral Assessment and Technical Remedies Prof. Shyam R. Asolekar, <i>CESE, IIT Bombay, India</i>
16:40 – 17:00	Molecular Separation Technology (MST) Dr. Mikael Åbacka, <i>BCDE Group, Finland</i>



MANY SPECIES • ONE PLANET • ONE FUTURE WORLD ENVIRONMENT DAY



United Nations Environment Programme

17:00 – 17:30

Plenary Group Discussion and Closure

moderated by Prof. Shyam R. Asolekar and Prof. Prosun Bhattacharya