



Emerging Pollutants in Water and Wastewater: UNESCO-Sida Project Case-Studies

Stockholm City Conference Center, Stockholm, Room: NL Music Hall – 23 August 2015, 09:00-10:30

PROGRAMME

Convenors:

UNESCO – International Hydrological Programme (IHP)
Swedish International Development Cooperation Agency (Sida)

Chair:

Sarantuyaa Zandaryaa, International Hydrological Programme, UNESCO

09:00 – 09:10

Opening

Blanca Jiménez-Cisneros, Director, Division of Water Sciences, UNESCO
Claire Lynga, Swedish International Development Cooperation Agency (Sida), Sweden

09:10 – 09:20

Sida cooperation with UNESCO and Swedish priorities for international cooperation on water sciences

Claire Lynga, Swedish International Development Cooperation Agency (Sida), Sweden

09:20 – 09:30

The UNESCO-Sida Project on Emerging Pollutants in Wastewater Reuse in Developing Countries

Sarantuyaa Zandaryaa, Division of Water Sciences – International Hydrological Programme (IHP), UNESCO

09:30 – 10:00

UNESCO-Sida case-studies on emerging pollutants in water and wastewater

Regional case-studies:

- Case-study from Africa
Characterization of pharmaceutical pollution in the aquatic environment of Nigeria and their potential ecotoxicological effects

Oluwatosin Olarinmoye, Lagos State University, Nigeria

- Case-study from Asia

A critical evaluation of selected Persistent Inorganic and Organic Pollutants in the hydrological system: A case study on Keoladeo National Park (KNP), a UNESCO World Heritage Site in India

B. Anjan Kumar Prusty, Gujarat Institute of Desert Ecology (GUIDE), India

- Case-study from Latin America

Organochlorine pesticides, impact in the water, blood of Maya women with uterine cervix cancer, and breast milk -human biomarkers-, trends in public health in Yucatan, Mexico

Angel G. Polanco Rodríguez, Universidad Autónoma de Yucatán, Mexico

- Case-study from North Africa and the Middle East

Contaminants of Emerging Concern in Oued Souhil area, Nabeul, Tunisia: Occurrence in Irrigation water and implications (ECOSI)

Olfa Mahjoub, National Research Institute for Rural Engineering, Water, and Forestry, Tunisia

- Case-study from Europe

Status report on pharmaceuticals in the Baltic Sea region

Marta Ruiz, HELCOM - Baltic Marine Environment Protection Commission, Finland

- Case-study from South America, Africa and Asia

Modeling the chemical fate of emerging pollutants in waterways of Africa, Asia, and Latin America for rapid risk assessments, geospatial exposure mapping, and screening purposes: A pilot study

Usman Khan, McGill University, Canada

10:00 – 10:25

Interactive panel discussion and feedback from the participants

Facilitator: Sarantuyaa Zandaryaa, UNESCO

Panel speakers:

- **Sasha Koo-Oshima**, Environmental Protection Agency (EPA), USA
- **Aslihan Kerc**, Turkish Water Institute (SUEN), Turkey
- **Oluwatosin Olarinmoye**, Lagos State University, Nigeria
- **Anjan Prusty**, Gujarat Institute of Desert Ecology (GUIDE), India
- **Angel G. Polanco Rodríguez**, Universidad Autónoma de Yucatán, Mexico
- **Olfa Mahjoub**, National Research Institute for Rural Engineering, Water, and Forestry, Tunisia
- **Marta Ruiz**, HELCOM - Baltic Marine Environment Protection Commission, Finland
- **Usman Khan**, McGill University, Canada

10:25 – 10:30

Conclusions of the discussion and Closing

• **Summary and wrap-up of discussions**

Rapporteur: Ignacio Deregibus, Division of Water Sciences – International Hydrological Programme (IHP), UNESCO

• **The way forward and Closing**

Chair: Sarantuyaa Zandaryaa, Division of Water Sciences – International Hydrological Programme (IHP), UNESCO