## SESSION DESCRIPTION FORM 2.

## 10TH WORLD WATER FORUM

***This Session Description Form 2 is for the specified program of the session.*** **Please complete this form no later than 28th of February 2024.**

**The session description 1 (online form) is separately requested for the session coordinators to deliver a concise session outline with the contact info and the logistical requests.*

**Session Code and Title:**

| |
|---|
| T1E2 - Dealing with water pollution by scientific planning and full involvement |

**Session Coordinators (Name, Position, Organization, email, mobile number):**

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| Diki Surya Irawan, Researcher and Water Safety Plan Specialist, Bakrie University, diki.surya@bakrie.ac.id |

**Session Description including objectives and expected outcomes (500 words maximum):**

The Objectives of this session is how to get a comprehensive approach involving multiple stakeholders, including government agencies, scientific institutions, industries, communities, and individuals. Here are several expected outcomes:

1. Scientific Assessment: Conduct a thorough scientific assessment to understand the sources and extent of water pollution. This involves monitoring water quality, identifying pollutants, and assessing their impacts on ecosystems and human health.

2. Regulatory Framework: Establish and enforce strict regulations to control pollution from point and non-point sources such as industrial discharges, agricultural runoff, and urban stormwater. These regulations should be based on scientific evidence and regularly updated to address emerging pollutants and environmental concerns.

3. Pollution Prevention: Implement pollution prevention measures such as wastewater treatment, industrial best practices, and sustainable agriculture techniques to reduce the release of pollutants into water bodies.

4. Public Education and Awareness: Educate the public about the causes and consequences of water pollution, as well as ways to prevent it. This can include outreach programs, workshops, and educational campaigns targeting different stakeholders.

5. Community Engagement: Involve local communities in water quality monitoring, pollution prevention efforts, and decision-making processes. Community engagement builds awareness, ownership, and support for water conservation and pollution control initiatives.

6. Collaborative Partnerships: Foster collaboration among government agencies, scientific institutions, industry associations, environmental organizations, and community groups to share knowledge, resources, and expertise in addressing water pollution.

7. Technological Innovation: Invest in research and development of innovative technologies for water treatment, pollution monitoring, and environmental remediation.

8. Integrated Water Management: Adopt an integrated approach to water management that considers the interconnectedness of water resources, land use, and socio-economic factors.

9. Policy Support: Advocate for policies that prioritize water quality protection and pollution prevention. This includes incentives for pollution reduction, support for clean technologies, and integration of environmental considerations into decision-making processes across sectors.

10. Continuous Monitoring and Evaluation: Establish monitoring programs to track progress in water quality improvement and evaluate the effectiveness of pollution control measures.

**Detailed Session plan :**

| ESTIMATED TIMING | ITEM DESCRIPTION / ROLE | SPEAKERS | SPEAKERS STATUS (OK OR TBC) |
|---|---|---|---|
| 5 min | Opening | Diki Surya Irawan / Bakrie University, Researcher and Water Safety Plan Specialist | OK |
| 15 min | Water Pollution Based on Research | Diki Surya Irawan / Bakrie University, Researcher and Water Safety Plan Specialist | OK |
| 15 min | Freshwater Relevant Science | Emily Kroft / Researcher at IISD-Experimental Lakes Area | OK |
| 15 min | Comprehensive Management Project Planning of Water Eco-Environment | Liu Yang / Director of International Cooperation Department of | TBC |

| ESTIMATED TIMING | ITEM DESCRIPTION / ROLE | SPEAKERS | SPEAKERS STATUS (OK OR TBC) |
|---|---|---|---|
| | | Chinese Hydraulic Engineering Society | |
| 40 min | Panel Discussion | All | OK |
| Total 90 min | | | |