



Professional Development Training Program on

Nature-based Hi-Tech Solutions for Climate-Resilient Water Management in Asian Deltas

06 - 11 October 2025



Asian delta regions rank among the most climate-sensitive landscapes globally, grappling with escalating threats from flooding, prolonged droughts, and pervasive environmental degradation. Conventional water governance often isolates ecological, technological, and societal dimensions, leading to fragmented approaches to resilience. In contrast, the integration of Nature-Based Solutions (NbS) emerges as a transformative paradigm—harmonizing ecological integrity with technological innovation to enhance water security and fortify climate resilience.

This program is tailored for professionals eager to tackle the complex challenges of delta regions through innovative Nature-based Hi-Tech Solutions. From the rich content that will integrate climate-adaptive frameworks, transformative stakeholder engagement strategies, and immersive real-world case studies, participants will gain the expertise to design and implement ecosystem-centric water management. The interactive modules will equip attendees with the practical skills needed to strengthen resilience, protect critical habitats, and empower local communities, ultimately driving sustainable development in delta regions.

Module 1

Climate Resilience and NbS Integration

- Design and implement Nature-Based Solutions (NbS) for flood resilience to comply with climate change.
- Integrate NbS into national and local policy frameworks using real-world examples.

Module 2

Technology-Enabled Nature-based Strategies

- Core principles and frameworks (e.g., IUCN Global Standard)
- Case Studies: Tech-Driven NbS in Delta Regions

Module 3

Delta-Focused NbS Tools: Planning, Mapping & Monitoring

- Apply GIS and planning tools to map and monitor Nature-Based Solutions (NbS).
- Combine scientific methods with local insights for effective implementation.

Module 4

Community-Centric Sustainable water Management through NbS

- Empower communities to co-create sustainable water solutions.
- Build long-term capacity for inclusive and resilient practices.

Module 5

Field/Exposure Visit

- Engage with local stakeholders to contextualize learning.
- Observe real-world applications of NbS in Thailand's delta regions.

TARGET AUDIENCE

- Natural Resource Management Professionals
- Water Resource Managers and Engineers
- Urban Planners and Environmental Regulators
- Community Leaders and NGO/INGO Professionals
- Academics and Researchers



REGISTRATION

bit.ly/3GWKwLx

Tuition Fee \$ 1,500

(Early Bird Fee \$ 1300, until 25 July 2025)