

## **W-03 Rivers and reservoirs**

**Objective:** To obtain a general, inter-disciplinary, introductory overview of river engineering and reservoir technology

**Contents:**

- Hydrological context
- River hydrodynamics and hydraulics; mass budgets; sediment transport; morphology; bank protection; flood control; salinity control
- Water quality; fish habitats; environmental flows
- River deltas and estuaries; case studies
- Reservoirs: Hydraulic design; hydraulic operation; bank erosion; siltation; water quality
- Monitoring and operation

**Who should attend:** Professional (administrative or technical) staff from the public and private sector with an interest in management, design, operation and/or maintenance of rivers and reservoirs

**Courseware:** Selected slides and background documents as handouts and/or electronic files

**Certification:** Attendance certificate (subject to 80 percent attendance)

**Duration:** 2 lessons (2 hours each)

**Costs:** \$ 300 per participant (inclusive of GST)

*A discount of 20 percent applies to 3 or more participants from the same organization in the same course*

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