

## DATA-04 From sensor to screen - introduction to advanced data management

- Objective: To obtain an improved understanding of the management of large flows of hydrological, hydraulic and/or environmental data
- Contents:
- User requirements; scoping; network design
  - Sensors and sensor characteristics
  - Data transmission and routing - from sensor to end user; online processing and real-time presentation
  - Data quality characteristics and quality control
  - Data reduction and data mining - compression, extracts, synthesization
  - Offline processing and presentation
  - Reporting and dissemination
  - A look into the future
- Who should attend: Professional staff from the public and private sector who are involved (or have an interest) in monitoring and data-based operation and decision-support
- 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)
- Schedule: Lesson 1: Tuesday 16 December 2008 4pm - 6pm  
Lesson 2: Wednesday 17 December 2008 4pm - 6pm
- 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*
- Instructor: Lars Christian Larsen (DHI Singapore), data management specialist, working with hydrometrics and hydroinformatics, software architecture, information systems design, network technology and data transmission, and GIS applications, with international experience from development, commissioning and operation of real-time monitoring systems for urban water management, flood forecasting, and offshore engineering
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