

M-02 Multi-criteria decision support, scenario analysis and optimization

Objective: Structured and transparent multi-criteria decisions are useful for example in policy analysis, planning, design, and EIA. The participants will achieve an introduction to different concepts and models for complex but structured decision-making

Contents:

- Types of decisions; technical/economic rationality
- Basic cost-benefit analysis; multi-criteria decisions
- Scenario analysis; Pareto optimization
- Cash flows, inflation and before- & after-tax analysis
- Retirement analysis and replacement analysis
- Assumptions and sensitivities

Who should attend: Planners, engineers and technical specialists from the public and private sector with a need of an introduction to the subject

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

Certification: Attendance certificate (subject to 80 percent attendance)

Duration: 5 lessons (2 hours each) plus some homework

Costs: \$ 600 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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