



Course Programme

Wednesday, September 6th 2017 (from 9.00 to 17.00)

- Introduction to environmental decision-making and MCA (Characteristics of environmental decision problems; philosophy and general principles of MCA; key cognitive issues associated to decision-making processes)

Coffee break

- Methodological steps in MCA (I): problem structuring, value functions and weight assessment

Lunch break

- Methodological steps in MCA (II): aggregation techniques and sensitivity analysis
- Decision Support Systems (DSS): overview and full demonstration of MCA steps using freely-available software

Coffee break

- Hands-on exercises
- Discussion: what MCA can and cannot do; role of different actors in MCA

Thursday, September 7th 2017 (from 9.00 to 17.00)

- Adding the spatial component: the principles of SMCA

Coffee break

- Case studies: SMCA for alternative design and alternative comparison
- Hands-on exercises

Lunch break

- GIS-based DSS: Overview and full demonstration of SMCA steps using freely-available software

Coffee break

- Hands-on exercises
- Discussion: added-value and limitations of SMCA



Friday, September 8th 2017 (from 9.00 to 17.00)

- Overview of different SMCA approaches
- Case studies
 - Coffee break*
- Hands-on exercises (continued)
 - Lunch break*
- Group decision-making: theory and examples
 - Coffee break*
- Hands-on exercises (continued)
- Final discussion on the contribution of MCA and SMCA to decision-making in the "real world"
- Conclusion of the course