

IMPERIA project

Improving environmental assessment by adopting good practices and tools of multi-criteria decision analysis

- Aims to improve the quality and effectiveness of EIA and SEA projects
- Partners
 - ✓ SYKE, universities (Thule, Jyväskylä), consultant companies
- Budget 1,3 million euros
 - ✓ 50 % from EU Life+ programme
- Realization 1.8.2012-31.12.2015
- Web pages: imperia.jyu.fi/english



Multi-Criteria Decision Analysis (MCDA) and EIA

Potential areas of MCDA support identified in IMPERIA

- 1. Initial scoping of the impacts
- 2. Stakeholder and citizen participation
- 3. Impact significance assessment
- 4. Evaluation of alternatives



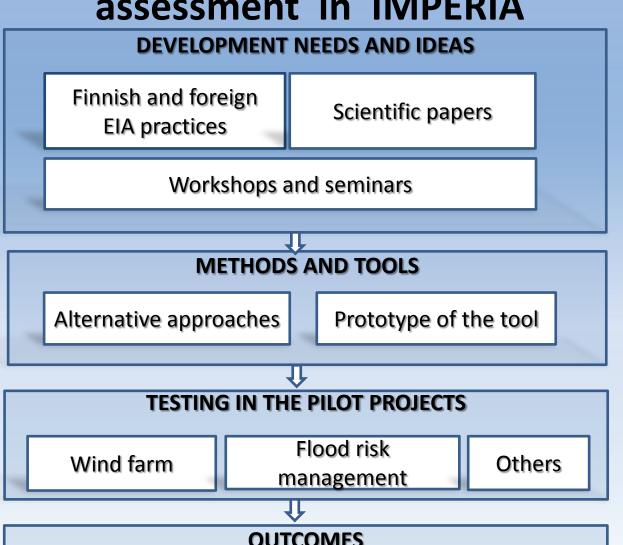
Impact significance assessment

- Essential and complex phase in EIA
- The quality of current practices lower than the best practices
- Consists of "objective" (facts) and "subjective" (values) components

IMPERIA focuses both on the process and tools



Phases of developing impact significance assessment in IMPERIA





EIA guidance on the Internet

Excel tool

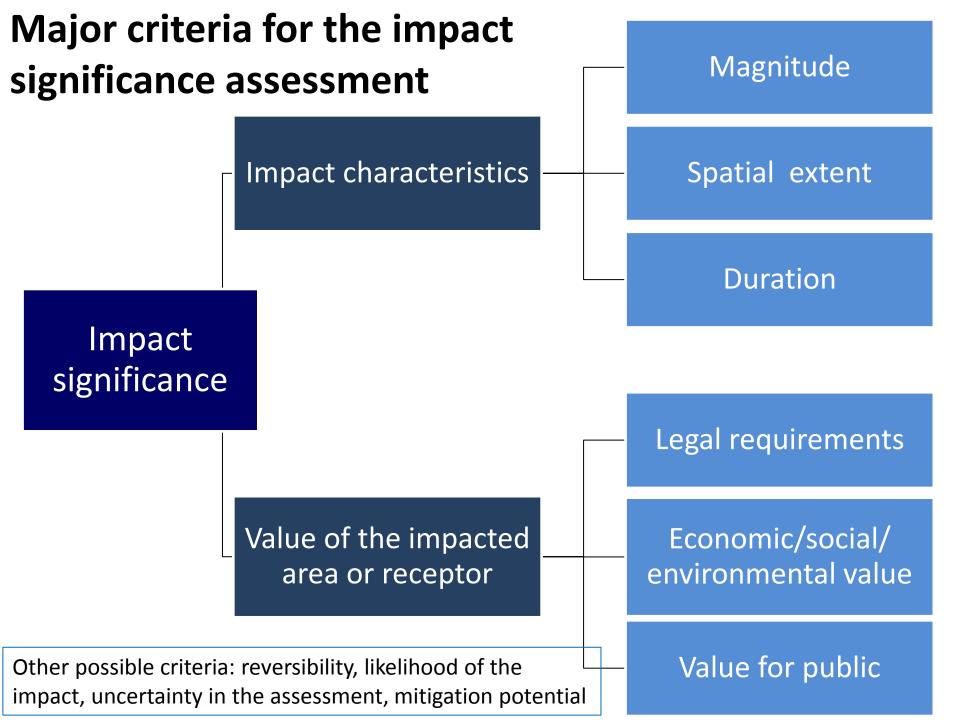


Lessons learned from MCDA projects

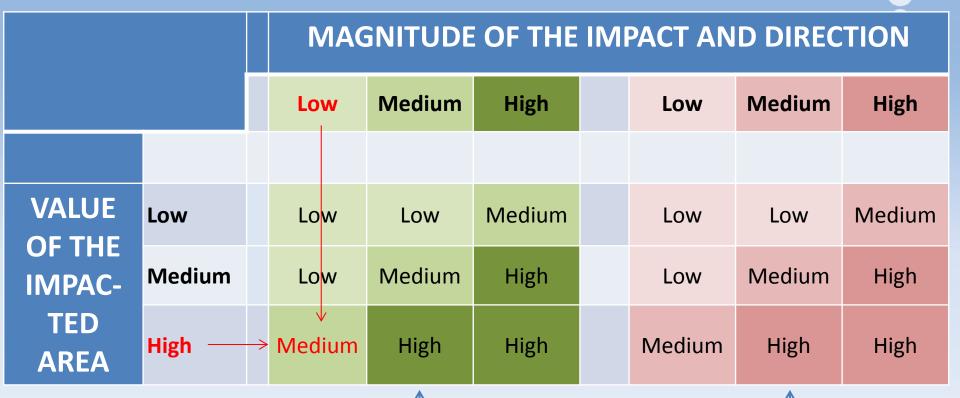
- MCDA methods typically assume people to answer in a certain way but in practice people do not necessarily follow the theory
 - Forget too complex theories and design simple approaches
- People's opinions easily reflect their general attitudes and do not enough take into account the impact ranges
 - Disaggregate impact significance into elements and present impact ranges clearly
- Improved quality and enhanced learning in the processes where interaction between stakeholders and the analyst has been intense
 - Structured and facilitated process recommended







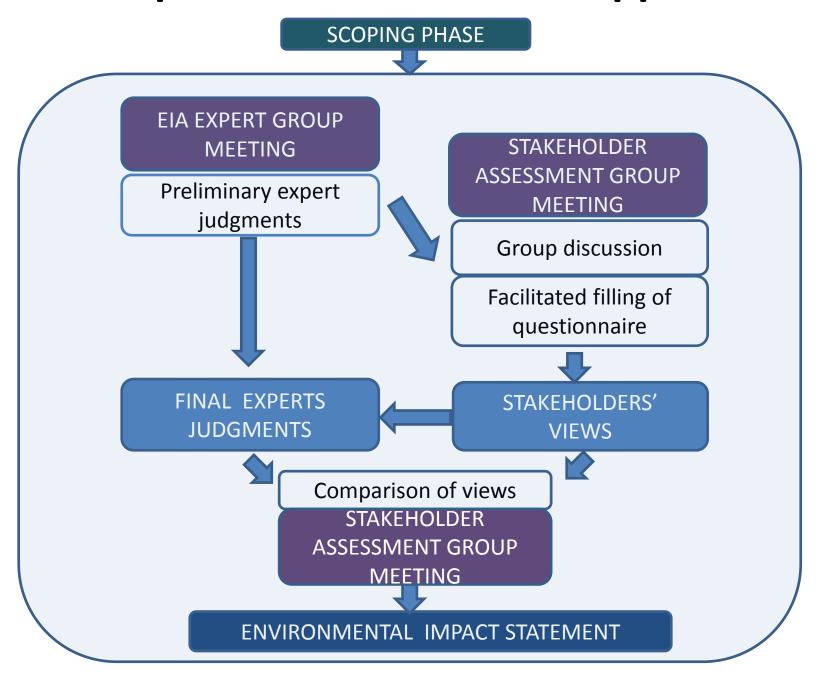
How impact significance can be determined?



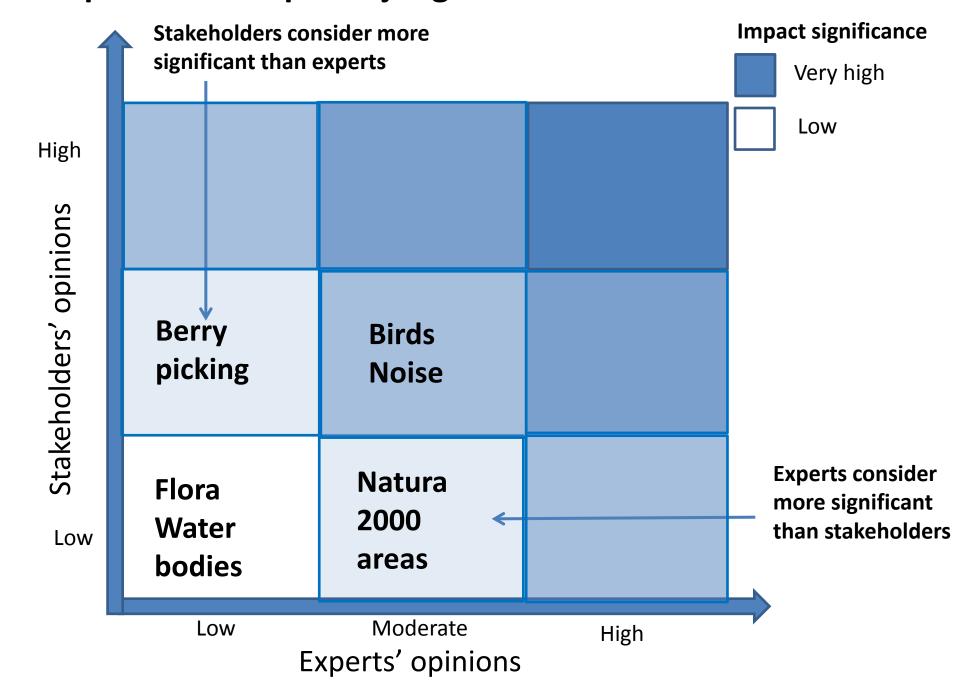




Proposal for deliberative approach



Comparison of experts' judgments and stakeholders' views?



Systematic deliberative approach

Challenges, e.g.

- Generic evaluation framework
- Understandable realization of the procedure in a given time frame
- Laboriousness
- Illustrative and compact presentation of results

Benefits, e.g.

- Transparency
- Promotes consistent judgments
- Appreciates local knowledge
- Improves legitimacy of the EIA process

Conclusions

- Systematic approach can be applied in screening, scoping and assessment phases
- If used in scoping phase, it may improve the effectiveness of the EIA
 - Focus on the most important impacts

- Approach should be practicable and flexible
 - Otherwise it will not be widely applied



