

Part 2: Finding and appraising solutions – Task sheet

Module 2.1: Developing a solution strategy

1. Work through the alternatives described in the case vignette 2 and brainstorm a strategy for a solution to the problem situation in Pavipolis. Write it down
2. Answer 2 questions:
 - a. (1) What are the steps or phases that need to be taken to identify a “good” solution?
 - b. (2) What do these entail? Write it down
3. Review your results and compare these against the solutions developed by young water professionals at an international workshop (Miro Board Results 2). How similar or different are these to what you came up with?

Module 2.2: Multi-criteria decision analysis processes for decision quality

1. Watch the 30' video presentation on developing and assessing solutions using Multiple Criteria Decision Analysis (MCDA) (Video presentation 2)
2. Read the illustrative example of a problem structuring and multi-criteria decision analysis process for solution development in a real-world case in Switzerland
 - *Lienert, J., Scholten, L., Egger, C., & Maurer, M. (2015). Structured decision-making for sustainable water infrastructure planning and four future scenarios. EURO Journal on Decision Processes, 3(1-2), 107-140. doi:10.1007/s40070-014-0030-0*