

Why "problem demarcation" ?

- 1. Best serve your client's interest
 - Establish what is your client's *real* problem
- 2. Be efficient
 - Look only into issues that matter
 - In adequate detail
- 3. Be accountable for your findings
 - Make clear what you *decide* to ignore
 - Reflect on how this limits your conclusions

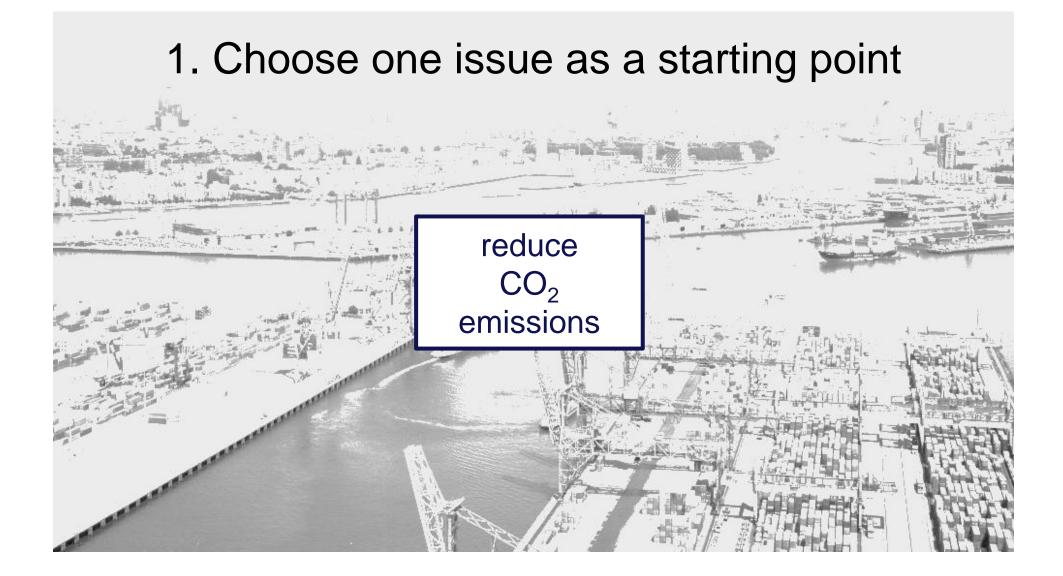
Problem demarcation

How to proceed?

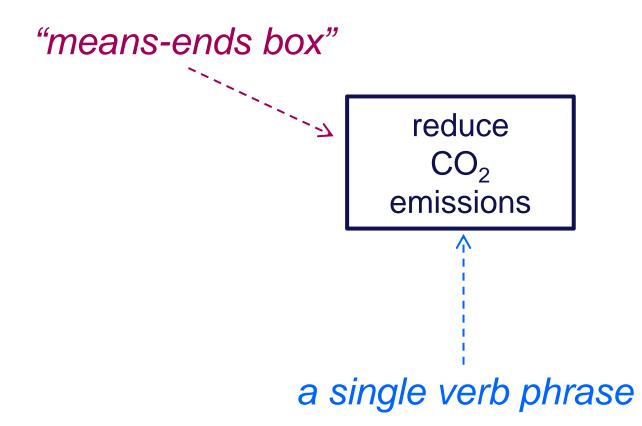
- 1. Starting point
- 2. Means-ends analysis
- 3. Several problem statements
- 4. Objectives trees + System boundaries
- 5. Compare & Choose

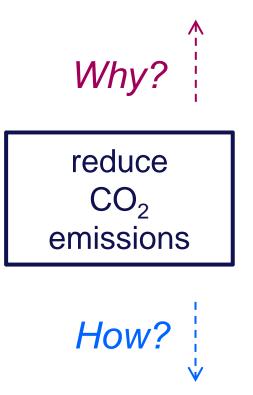
1. Choose one issue as a starting point

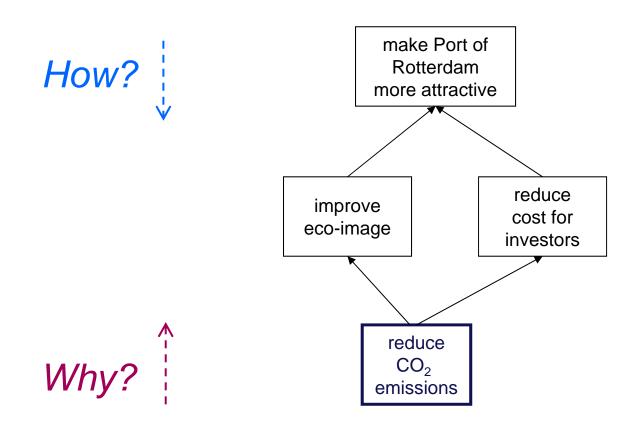


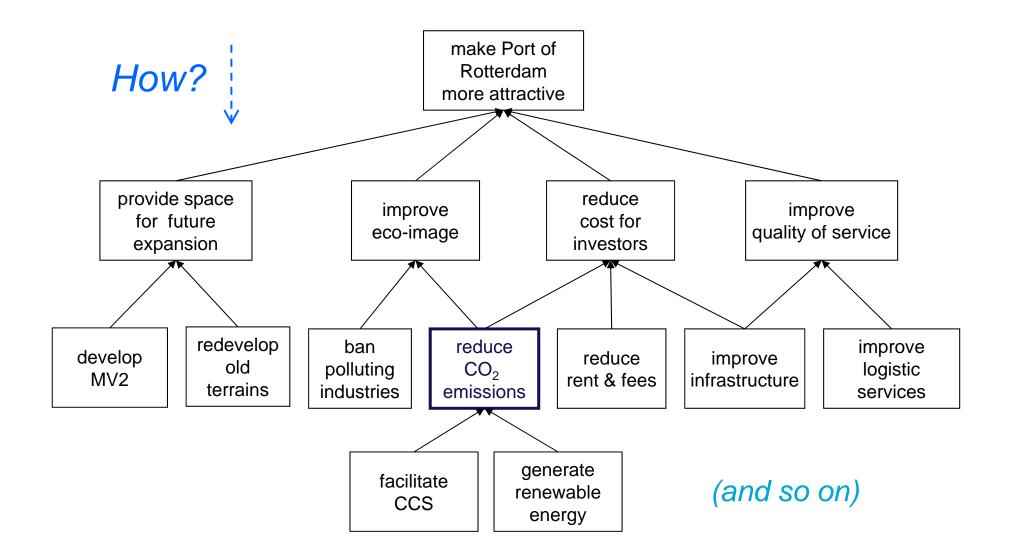


2. Perform a means-ends analysis



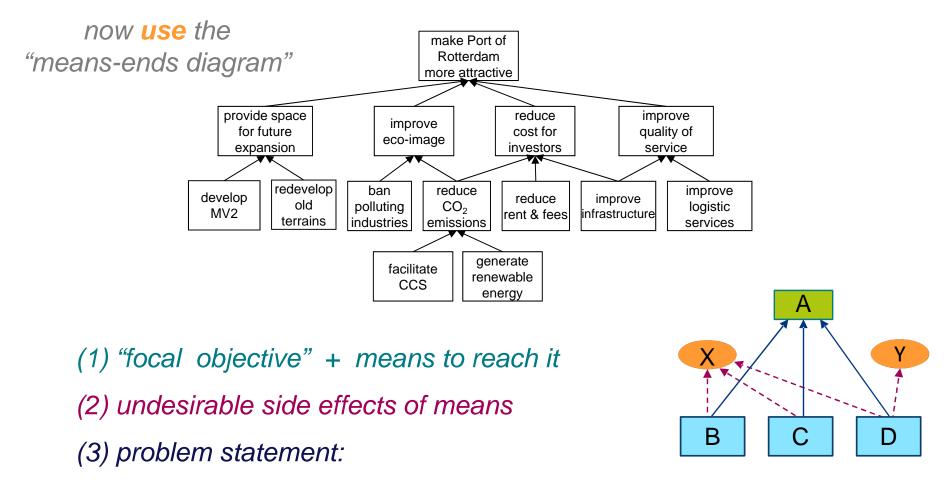




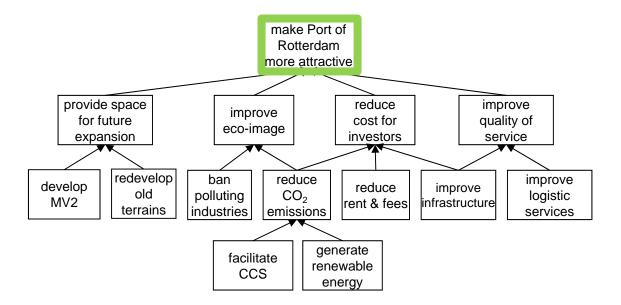


Checking your means-ends analysis

- 1. Causality
 - Does a means really help achieve the end?
- 2. Ownership
 - Does your client really have the means?
- 3. Completeness
 - Are all relevant issues included?

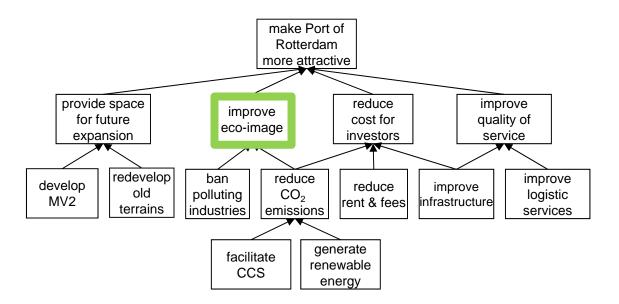


"How can the client achieve A without (too much) X or Y?"



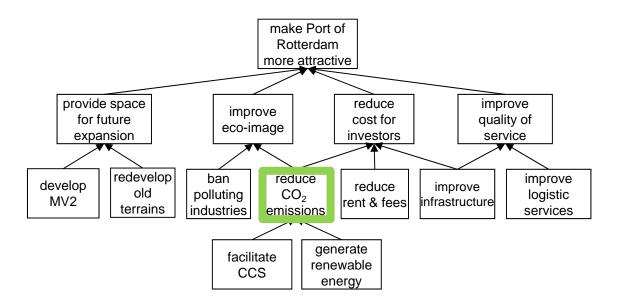
How can the PoR make itself more attractive without...

going bankrupt, or breaking the law?



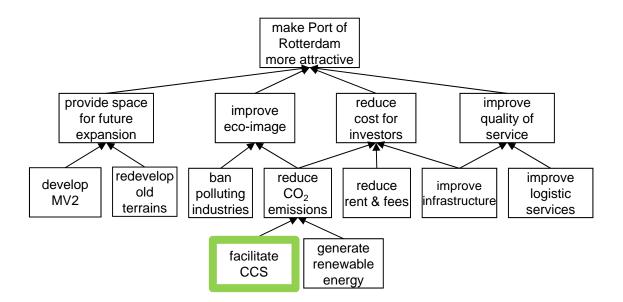
How can the PoR *improve its "green" image* without...

reducing the variety of its port industries, increasing the cost for companies, or incurring losses ?

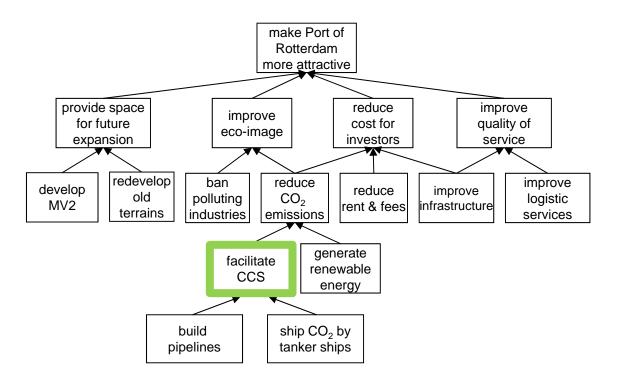


How can the PoR *reduce its CO*₂ *emissions* without...

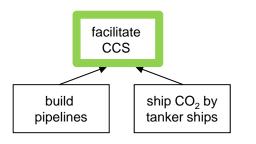
increasing costs for companies, losing public support, or decreasing the security of supply of energy?



How can the PoR facilitate carbon capture and storage without...

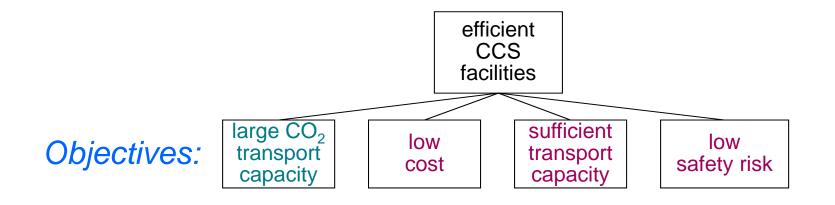


How can the PoR *facilitate carbon capture and storage* without... *incurring losses*, *demand exceeding capacity*, or *increasing risk of incidents* ?



How can the PoR *facilitate CCS* without...

incurring losses, demand exceeding capacity, or increasing risk of incidents ?



Objectives tree \rightarrow criteria

