

Future Exploration 1

What and Why

Exploring the future: Scenario Analysis

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- **Why and where to?**
- Main steps
- Example
- Checks and interpretation
- Application in issue-paper
- Additional sources



Why consider the future?

- Long-term decision-making
- Dynamic system
- Assumptions may not hold

Success of long-term decisions...

...when building a waste water treatment plant?



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Plan in 2000

Build in 2008

Operate in 2010

↓
2030

↓
Dismantle in 2040

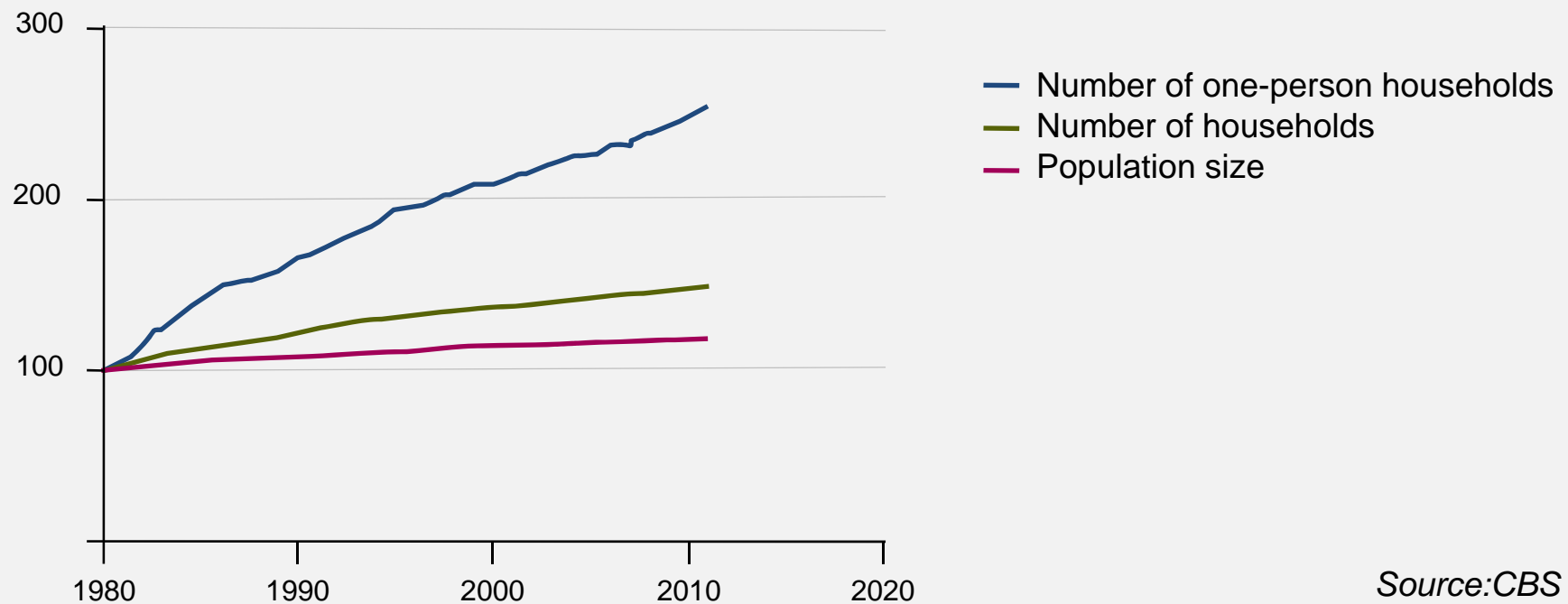


Treatment capacity (design) > 1.2 million
polluter equivalents



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Population size and number of households in 1980-2020



- Adaptable treatment capacity
- Range: 1.2-1.7 million polluter equivalents



- No new houses being built
- Number of households stops growing



- Capacity is too large?
- Tariffs must increase....



Can we know the future?



Can we know the future? No.....

- We do not have crystal balls...
- Also, we tend to think that tomorrow will be the same as today, but a little bit better.....
- Tomorrow may be different, the future holds surprises

Exploring the future– many methods

Explained in Chapter 5 of your book

For the issue-paper you conduct a **scenario analysis**

- Narrative method
- Context of the multi-actor system

Scenario writing: Step-by-step

- 8 steps
- Chapter 5, Table 5.2

The sequence of steps is described in short in Table 5.2, and explained.

Table 5.2 Sequence of steps for the design of contextual s

Step 1	Determine the key question	Formulate the question, proposed policy.
Step 2	Determine the factors or crucial powers in the environment of the policy field	Indicate which contextual factors success or failure of measure policy field.
Step 3	Determine the driving forces or megatrends behind these factors	Indicate which forces cannot be policy, influence the already di
Step 4	Arrange the factors and forces according to importance and uncertainty	Select the most important and forces.
Step 5	Design the scenario logic	Use the selected forces as axis for scenario skeleton that spans the (scenario logic).
Step 6	Detail the scenarios	Elaborate on three or more scenarios attention to all forces and factors.
Step 7	Evaluate the key question	How does the key question look in How do you evaluate the effects of tives in different scenarios? Is the d Which vulnerable points
Step 8	Monitor the developments	



More information on how to....

Proceed with the video-clip that explains the main steps
of [scenario analysis](#).

You can also proceed to the example

But FIRST: read the assignment