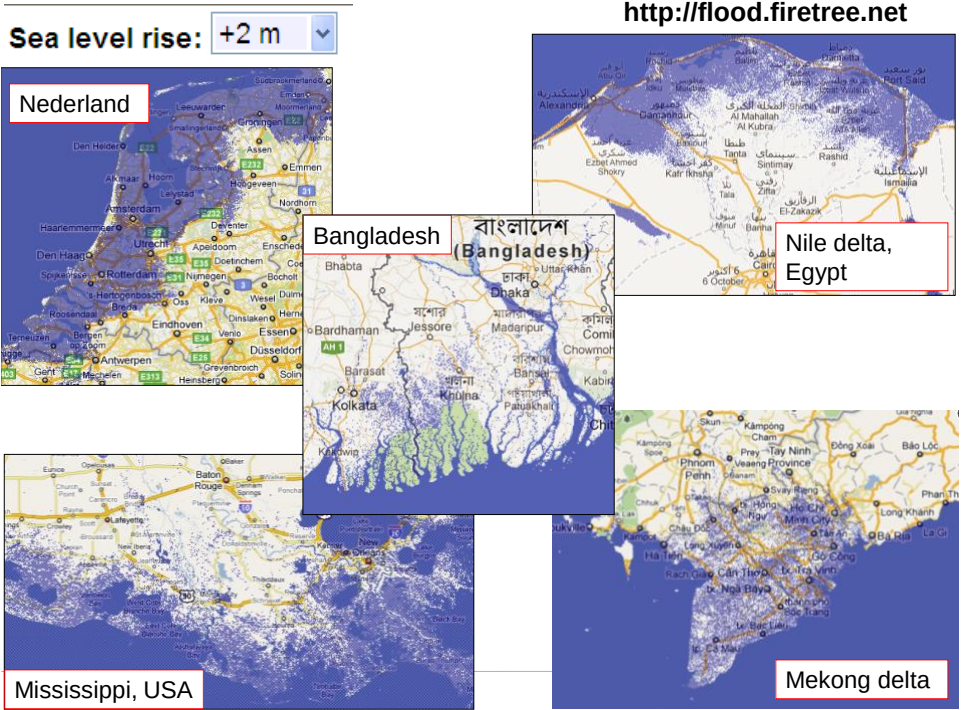
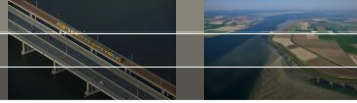




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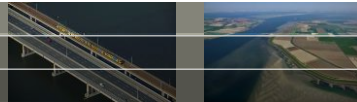
Strategic (scenario) planning



Known facts ↔ Key driving forces

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Presentation



Long term Strategic planning

- Case Replacement Programm
- Efficient time series

Mid term Implementation process

- Guideline 'Growstrategies'

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CASE Replacement program Infrastructures

Huge task!

- Mostly build between 1930-1980
- Replacement: 500+ infrastructures
- € 100 millions / year



Driel



Waalbrug Nijmegen



Sluis/stuwcomplex Grave

Replacement infrastructures until 2100

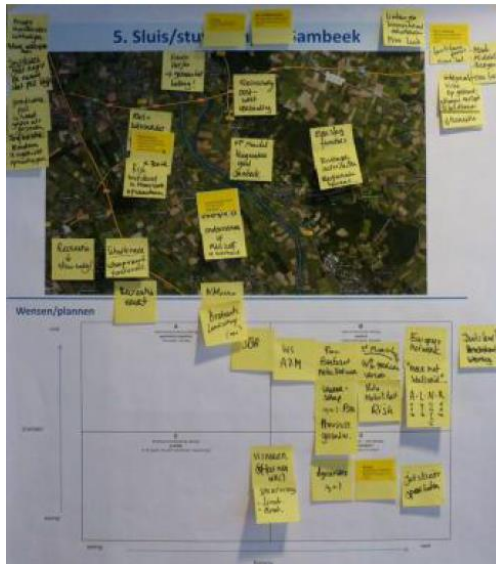
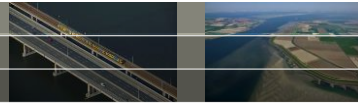


**Next
80
years?**

Assignment: efficient time series with
stakeholder involvement?

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Approach: start with 1 region



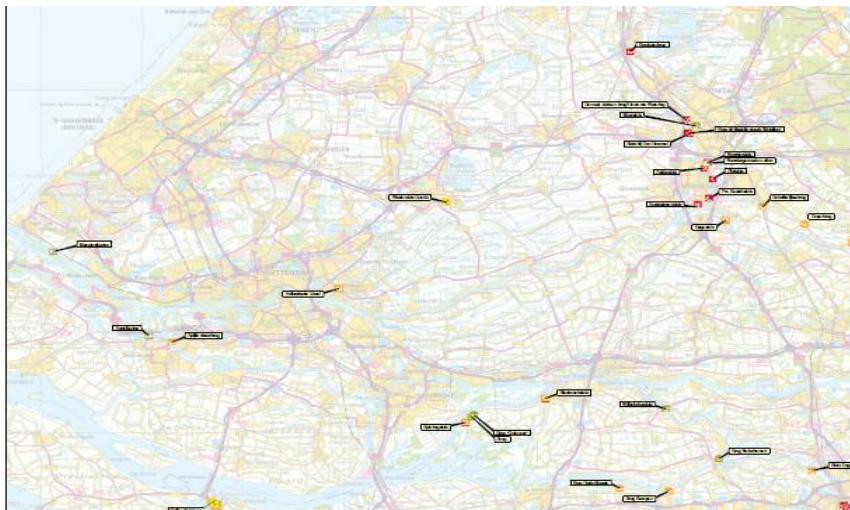
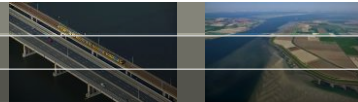
Back to basic:

Challenges,
Opportunities,
Stakeholders for
1 infrastructure

...before going to
national level
strategic planning

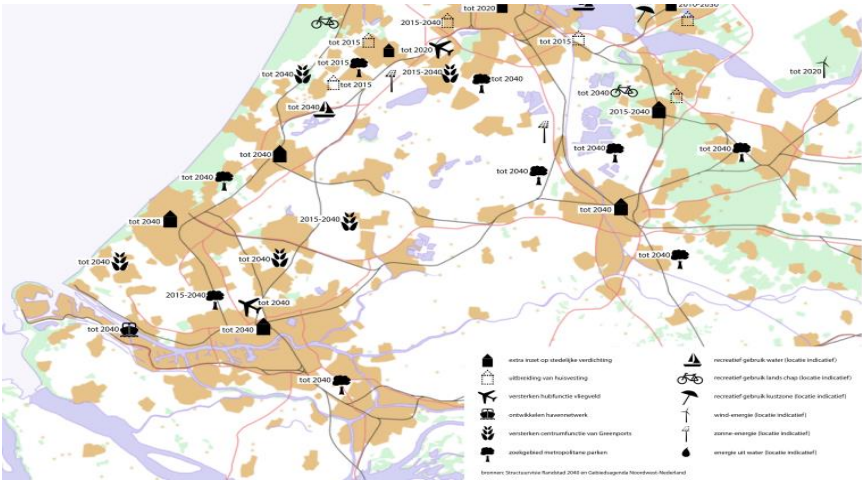
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...upscale to national level



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Short & long term wishes of stakeholders

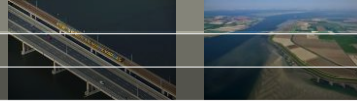


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Develop the ‘ perfect time series’...



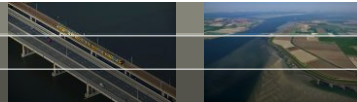
Lessons learned



- Long term thinking is not human
 - *10 years public and private plans*
 - *40 years only public strategic plans*
 - *100 year only scenarios*
- Develop a 'base-timeseries' to start discussion with stakeholders
 - *multipurpose, effective, efficient*
- Flexibility in long term planning is crucial
 - *to create room for new initiatives, combinations*
 - *efficient and agile*

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Resume our approach



- **Dialogue:**
 - Discussions and debate
 - Simulation games in workshops
- **Stakeholder involvement different ways:**
 - Expectation management
- **Integrated approach:**
 - searching for efficient combinations of budgets
- **Visualization** tools and maps

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Guideline for implementation



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Presentation

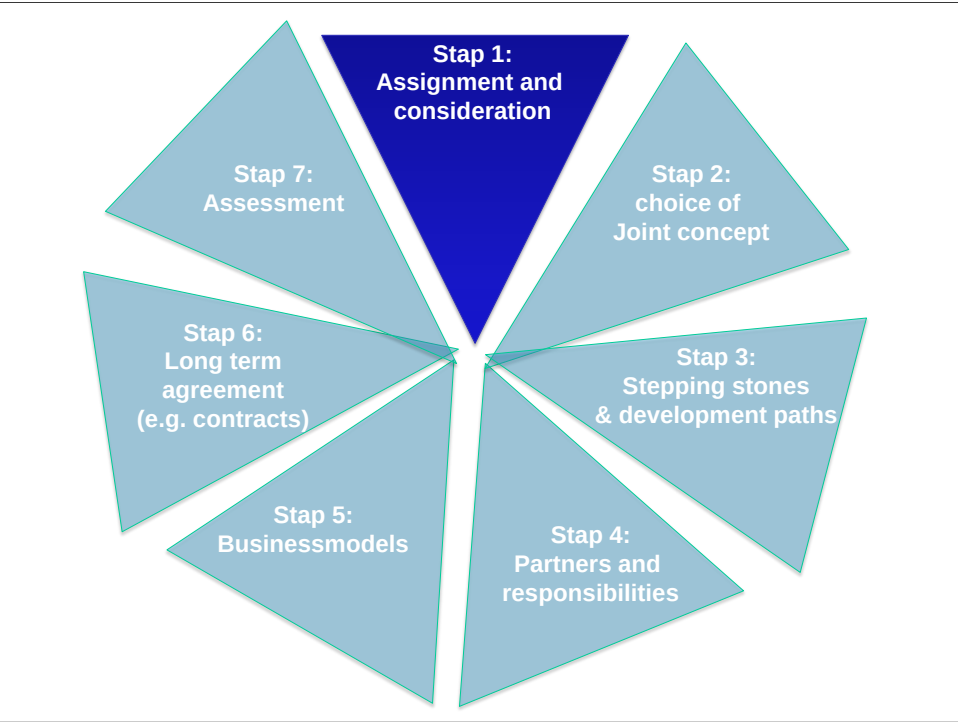
Long term Strategic planning

- Case Replacement Programm
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- Guideline 'Growstrategies'

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To illustrate the “growstrategie” In Den Helder



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Urban planning - spatially integrated dike concepts



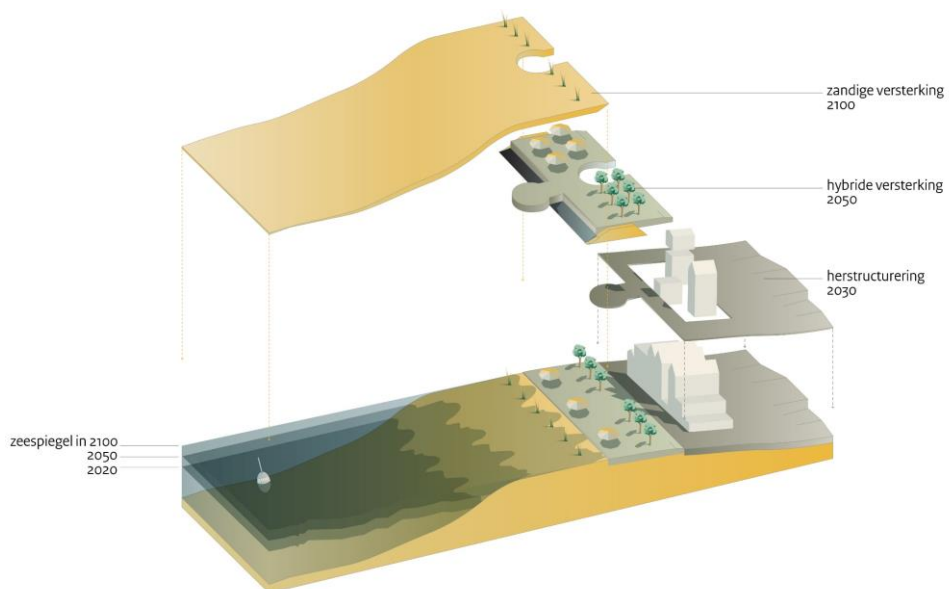
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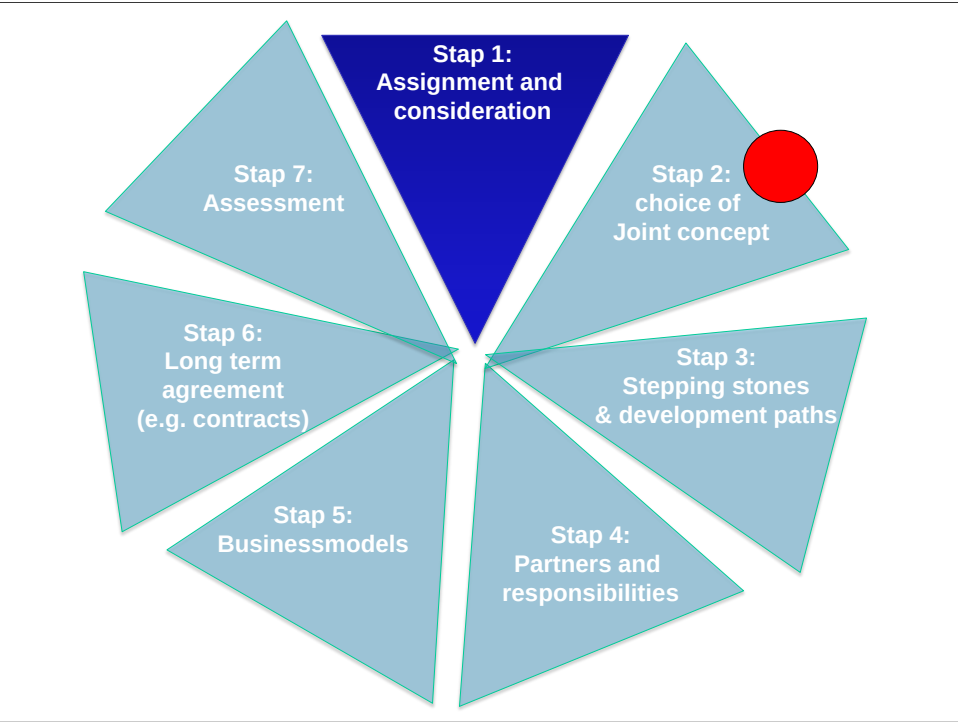
1. Tasks and considerations...



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1. Integrated approach





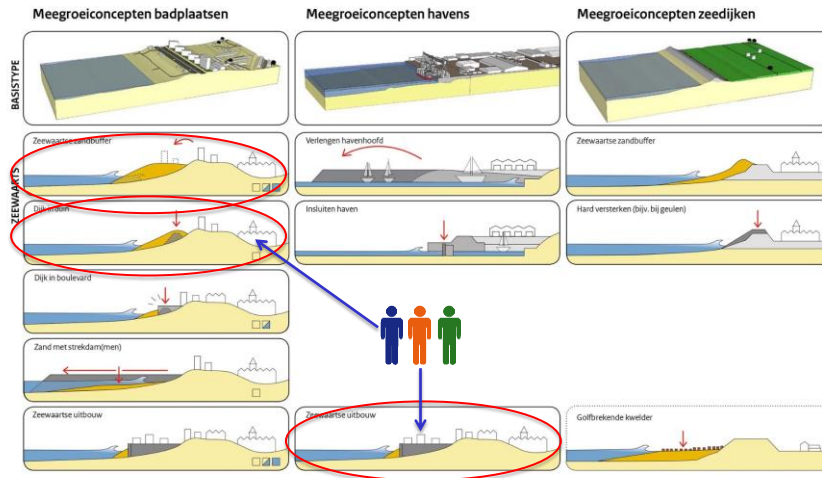
3 grow strategies



Step 2

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Growstrategies



Stap 2

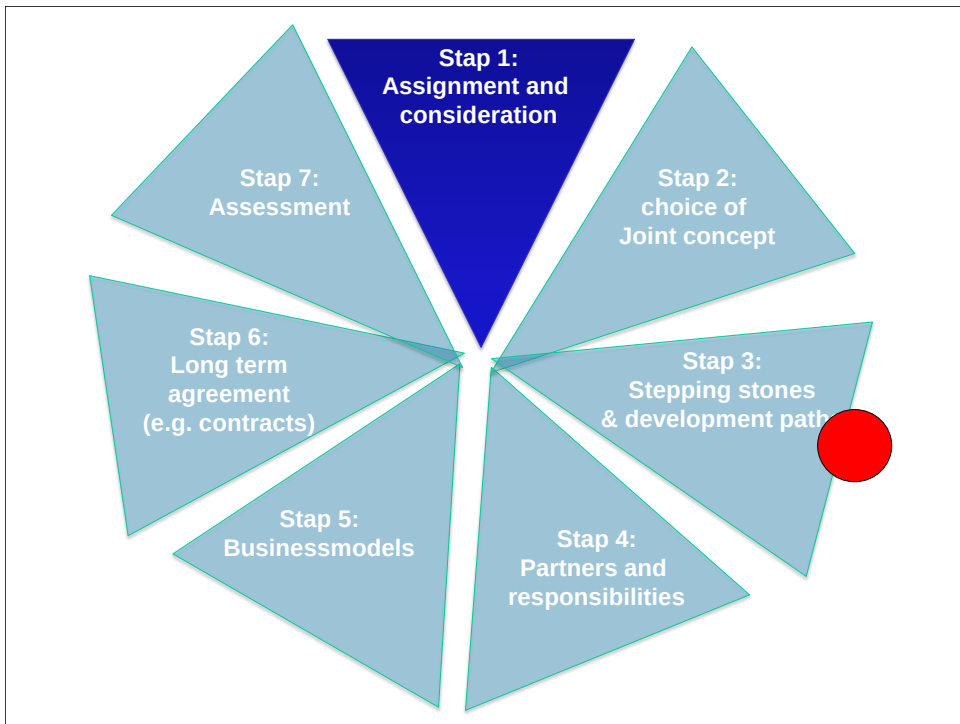
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Voorbeeld tijdsvensters case Zandvoort meegroeiconcept Zandbuffer - binnendijks

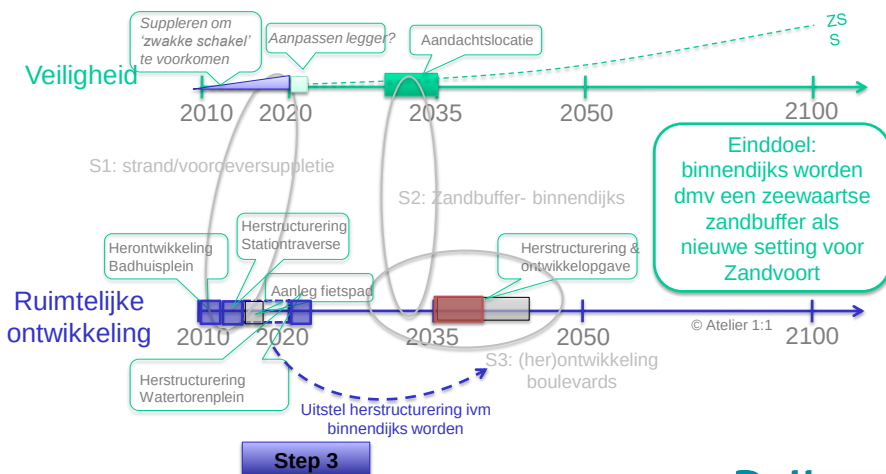


Stap 2

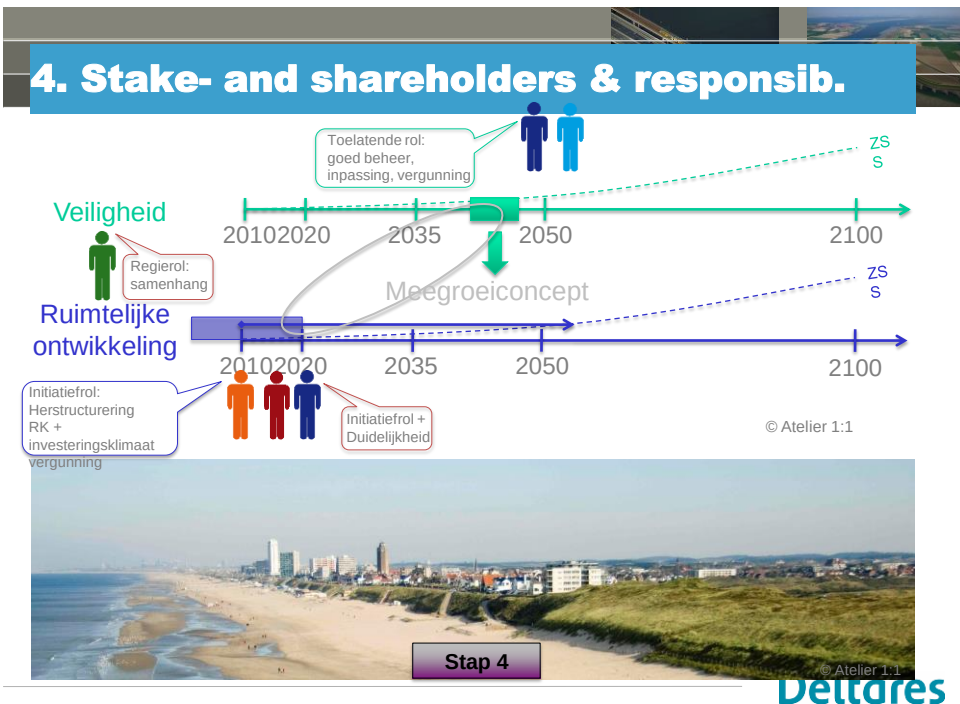
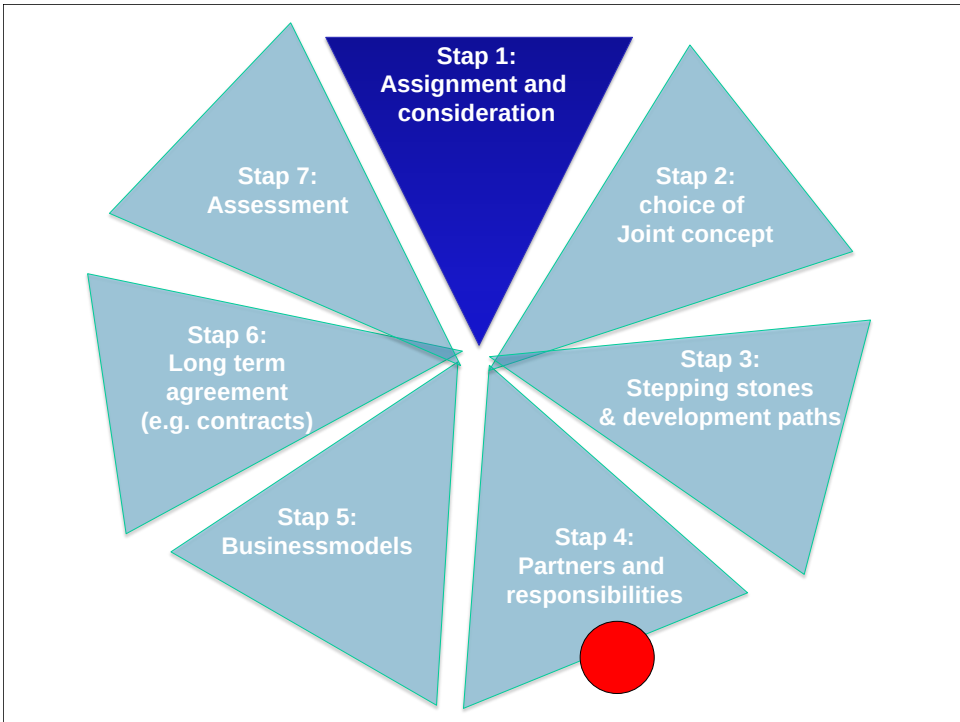
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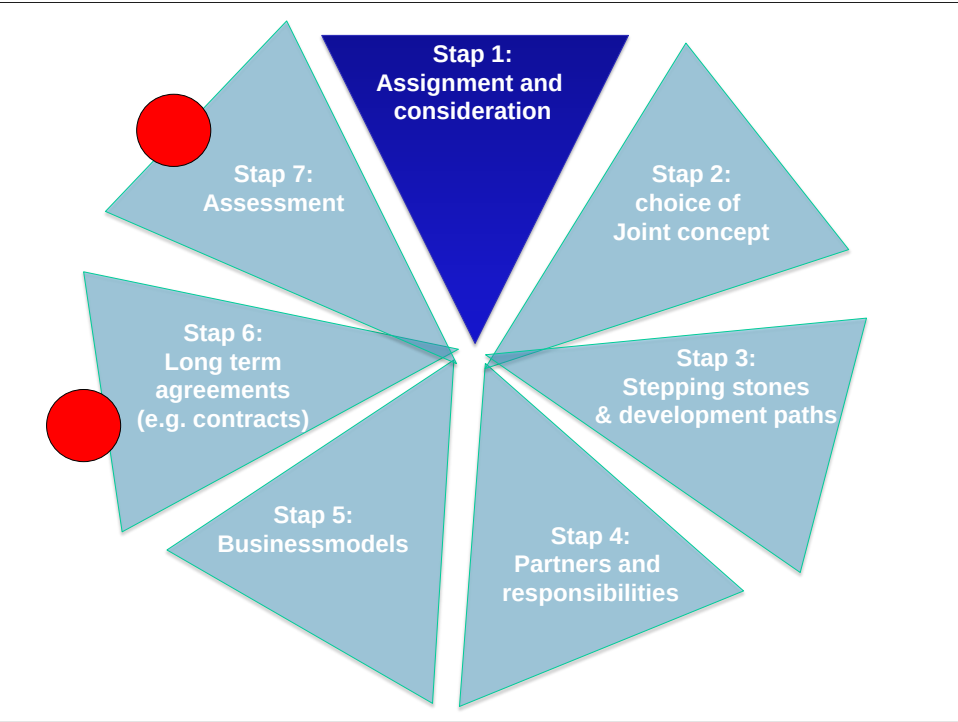
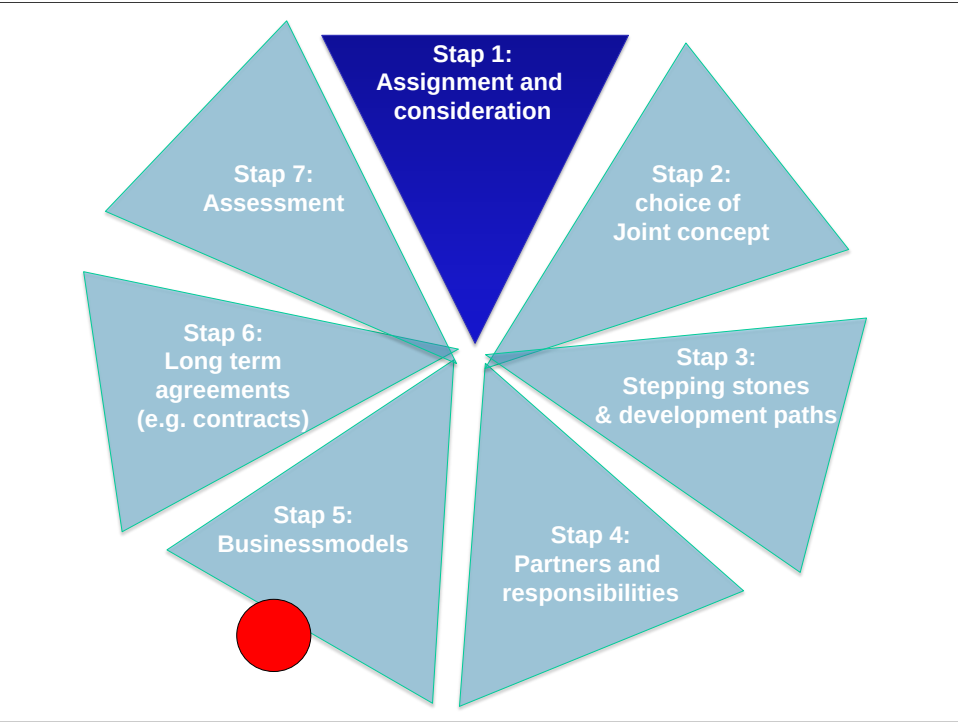


3. e.g Development path case Zandvoort



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- Agreements:
 - Knowledge
 - Relations
 - Frameworks
- Adaptivity:
 - Monitoring
 - Decision moments
- Assessment:
 - Reality check
 - Stresstest

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- Guideline helpful for coproduction design, governance and implementation
- Thinking of businessmodels creates new opportunities for long term sealing;
- It is a learning approach
- Adaptive means multiple tracks open
- **Question: how to cope with adaptive capacity of stakeholders in future?**

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An aerial photograph of a city skyline, likely Amsterdam, featuring a river, a bridge, and a dense urban area with various buildings and green spaces. The image is used as a background for the title and speaker information.

MULTIPURPOSE INFRASTRUCTURE SIMULATED PARTICIPATIVE STRATEGIC PLANNING

Rosalie Franssen, Detares

Head of department Governance & Spatial Planning