



Prof. dr. ir. Alexander D'Hooghe

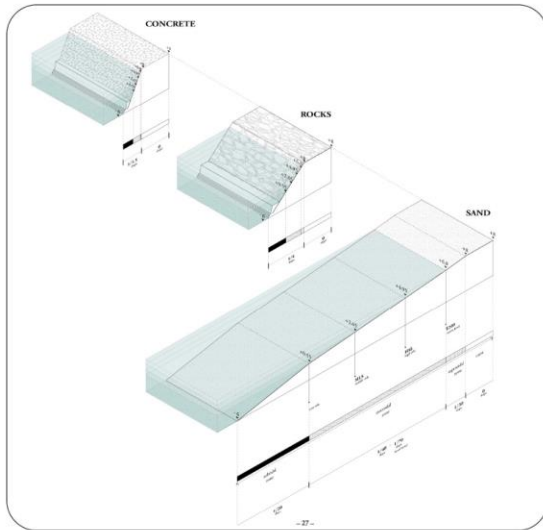
Design for Public Value at Sea

**“Is it possible to co-create a new category of marine objects
‘marine multifunctional landscape infrastructures’
in order to harvest the potentials of our Seas and Oceans?”**



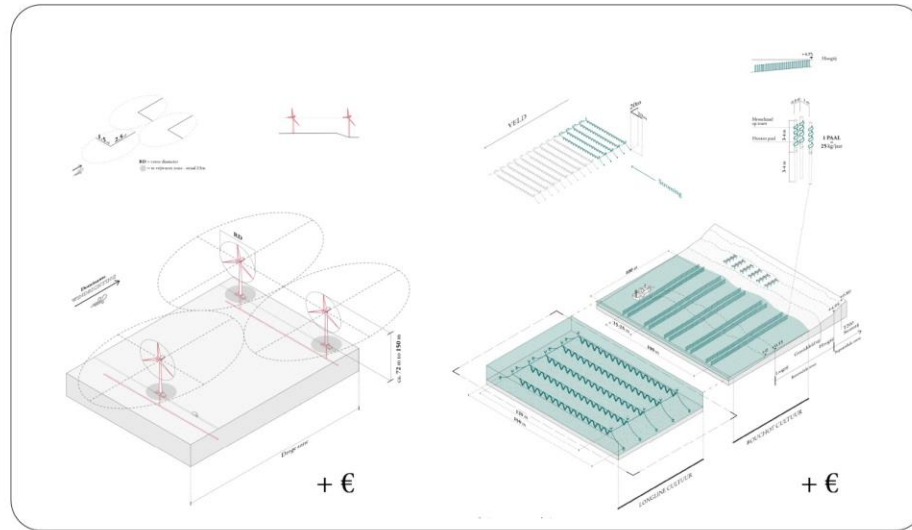
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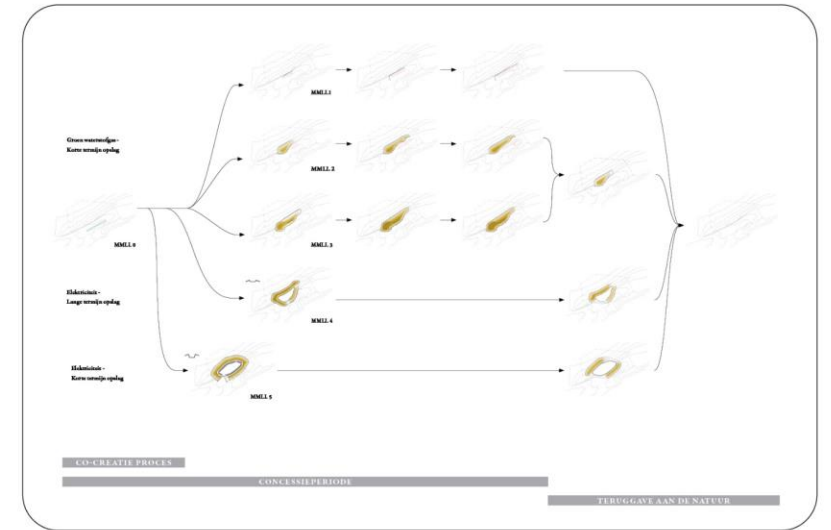
Step 1: 'How to build a MMLI'

Illustrating the hydromorphological and techno-economic constraints



Step 2: 'How to program a MMLI'

The different functionalities possible on a MMLI with their economic, ecological,... constraints



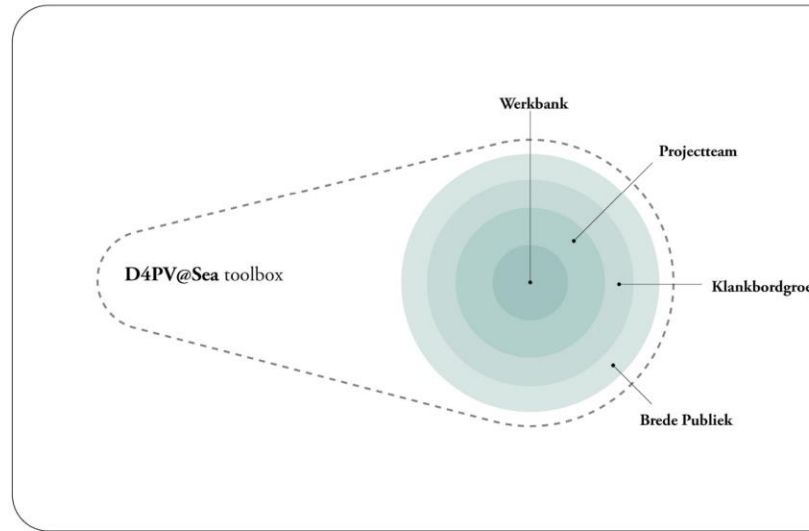
Step 3: How to involve future Generations?

The genealogy as a range of possible, viable MMLI's



Step 4: 'How to inspire stakeholders'

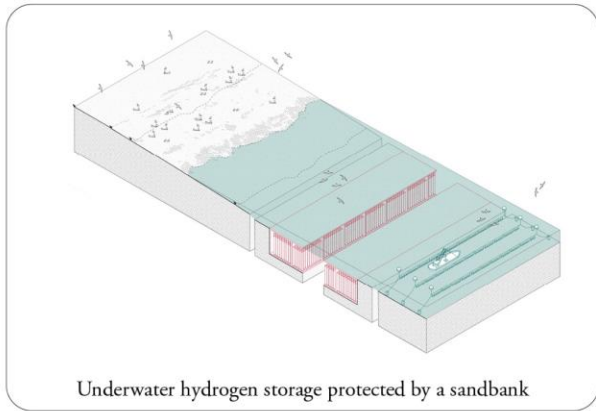
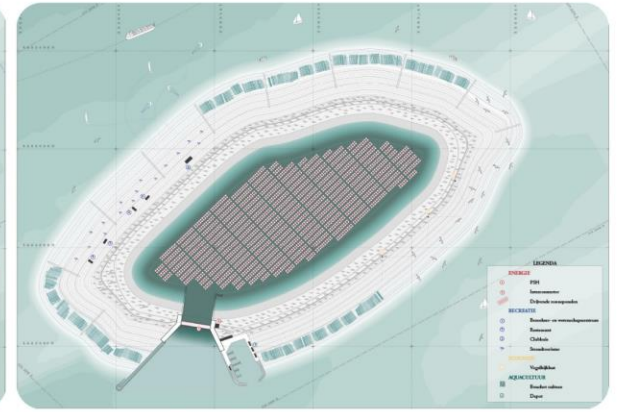
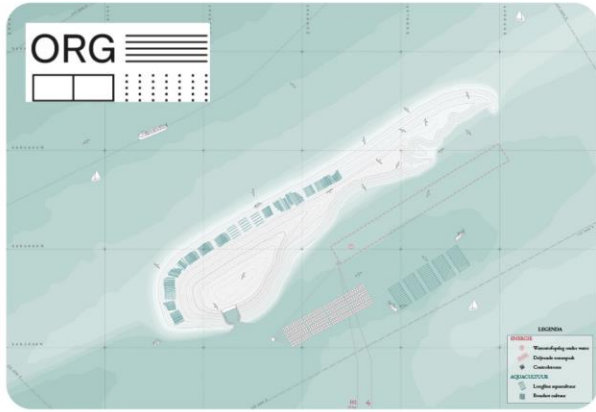
The MMLI-Atlas, created using steps 1, 2 & 3 as input for public debate



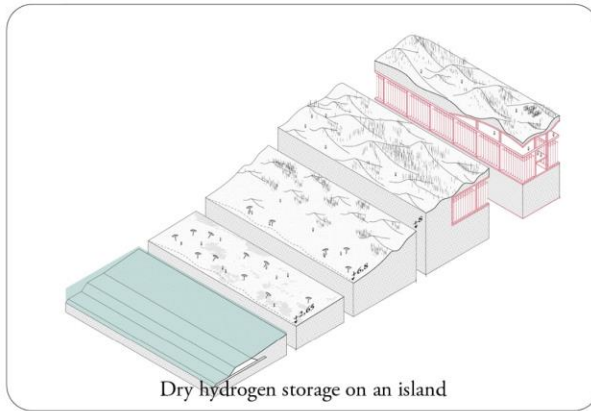
Step 5: 'How to process MMLI's collectively'

These and other instruments are used during a co-creation process with one goal: the design of a commercially viable and publically & politically supported MMLI!

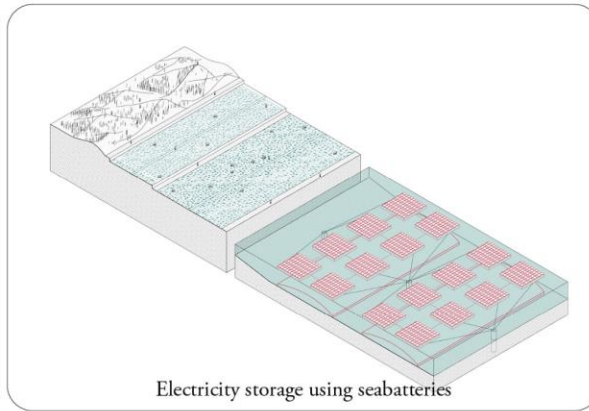




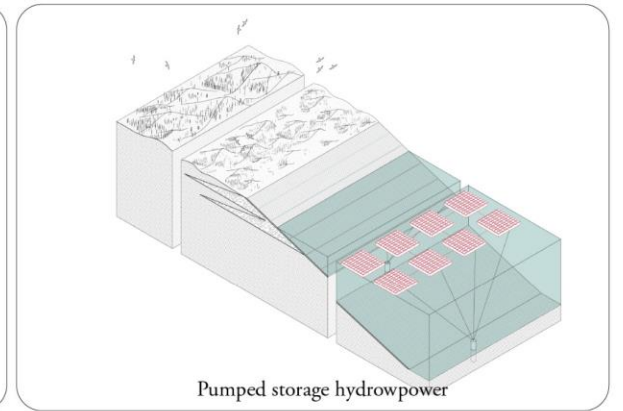
Underwater hydrogen storage protected by a sandbank



Dry hydrogen storage on an island



Electricity storage using seabatteries



Pumped storage hydropower

