DMDU in spatial adaptation: embracing vagueness to enable the emergence of linkage opportunities

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Dordrecht in the Dutch Delta
Dordrecht as an Island surrounded by rivers
Dordrecht after the St. Elizabeth Flood of 1421
Loss of resilience, where the regime shifted from agriculture to nature
Nature provides us with a range of services, incl. water regulation.
Regime shift (depoldering) as a deliberate process in Noordwaard
In addition to the housing ambition (an extra 10,000), we also formulate an ambition on green (nature) and blue (water): with as carrying elements the two green corridors characteristic of the city, Dordtwijkzone and Wantijzone, and as intricate branches the dike ribbons, creeks, green avenues and parks that bring the green in the city until the front door.
Project area(s) for 4,000 extra houses in next 4 years
Study area for required 6,000 extra houses (after 4 years)
Green blue network of good quality / greens lungs
Green and blue as leverage for liveability
Aims of Living Lab on Spatial Adaptation

- Formulate vision for the green blue network, as leverage for the housing ambition

- Look for connections to investment agenda’s and place individual projects into an integrated perspective (with participatory design)

- Involve public and private partners as beneficiaries and potential co-investors
Vision for the green blue network
Transformation of Dordtwijkzone into new city park

2018 Concept Introductietour

GROEN leveren ECONOMISCHE WAARDE op voor een stad

Van SPORTPARK naar STADSPARK

Central Park

Wat voor park kan dit worden?

Wie wil er aan mee werken?

10.000 woningen!

Joost Leemans

Ellen Kelder

KNAETE MAKERS

OPEN STRUCTUUR

We willen jullie, de stad, erbij betrekken!

Wie gaat de sportzones verfijnen?

Dordrecht

FREE Sportzone

Bruisen de sportparken

Wie goed dan besliten?

Dit gaat een lange lezen aan de achterkant

Zowel de INRICHTING als het GEbruik van het park—Zelf-opstrijken

Streelboer
Linkage opportunity: Restructuring of Vogelbuurt
Linkage opportunity: Restructuring of sport fields
Linkage opportunity: Improvement of water quality
Transformation of Wantijzone into ‘River as Tidal Park’
Transformation of Wantijzone into a ‘River as Tidal Park’
Linkage opportunity: Depoldering of Otterpolder
Enabling factors to link opportunities included:

- Vague: green and blue in the city
- Inclusive: partners and beneficiaries
- Focus: ambition and strategy
- Interactive: participatory design
- Engage politicians
Some insights on DMDU in spatial adaptation:

- Embrace vagueness: partners will join dialogue if it is relevant to their own policy objectives;
- Start dialogue from opportunities (e.g. nature restoration, liveability), not threats / adaptation tipping points (ATPs);
- Timing is everything and nothing: in theory linkage opportunities are possible when ATPs align, in practice they never align;
- It takes political will / courage to bring investment moments (ATPs) forward in time;
- Spatial planning is all about dealing with multiple (conflicting) objectives and uncertainties. This includes avoiding regret.
Avoiding regrets with adaptive / organic programming