

NATURE-BASED SOLUTIONS IN THE LIFE PROGRAMME

Silvia Donato /
CINEA



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NATURE-BASED SOLUTIONS IN THE HORIZON PROGRAMME

Tiago Freitas /
EC DG Research & Innovation



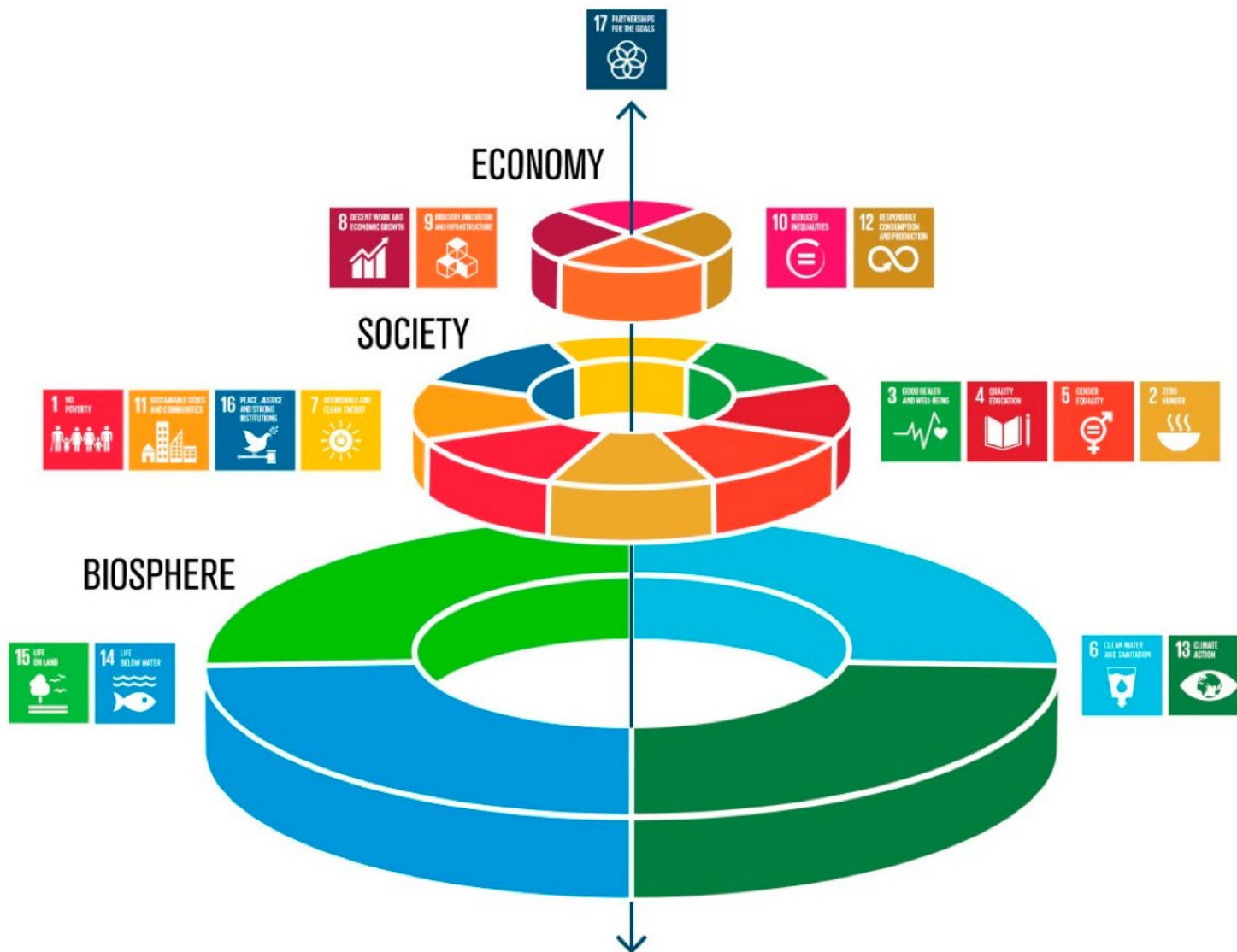
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Graphics by Jerker Lokrantz/Azote



my building is green
A LIFE PROJECT

LIFE MYBUILDINGISGREEN

Salustiano Torre Casado / José Fermoso Domínguez

Consejo Superior de Investigaciones Científicas – Royal Botanical
Garden. CSIC-RJB

CARTIF Technology Centre



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LIFE mBiG. KEY ELEMENTS.

- **The challenge:** Improving climate resilience and well-being of schools and social centers in Spain and Portugal
- **The approach:** Design prototypes of NBS as climate adaptation tools to be implemented in 3 education and social services buildings
- **Governance and collaboration:** development of regulations and good practices around NBS in education and social services buildings, which allows their replication in other buildings in Spain and Portugal
- **Results:** Improving well-being and climate resilience in 3 pilot buildings
- **Long-term:** Inclusion of NBS in local climate adaptation policies



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LIFE GREEN FOR GREY (G4G)

Paul Van der Sluys

Vlaamse Landmaatschappij



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KEY ELEMENTS

- **The challenge:** green for grey in peri-urban Flanders
- **The approach:** together for a multi-functional green-blue in 6 project areas of Flanders' metropolitan areas
- **Governance and collaboration:** co-creation with citizens, vision by policy makers and experts, creative experiments with students and experts, developing biodiversity with businesses and design by children
- **Results:** green-blue in the field
- **Long-term:** green-blue on the (inter)national en regional agenda



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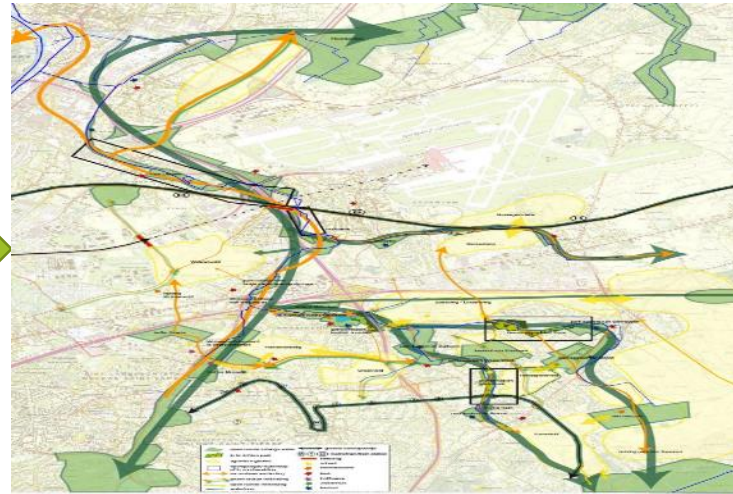
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G4G - SUSTAINABILITY: PARC BRUSSELS AREA



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LIFE IP DELTA NATURE

Chantal van der Linden

Ministry of Agriculture, Nature and Food Quality
(The Netherlands)



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NATURAL CLIMATE BUFFERS

SUBPROJECT LIFE IP DELTA NATURE

Objective: from pilots to mainstream!

Strategy:

1. Influencing policy
2. Best practices: Showing what works!
3. Gathering knowledge
4. Communication

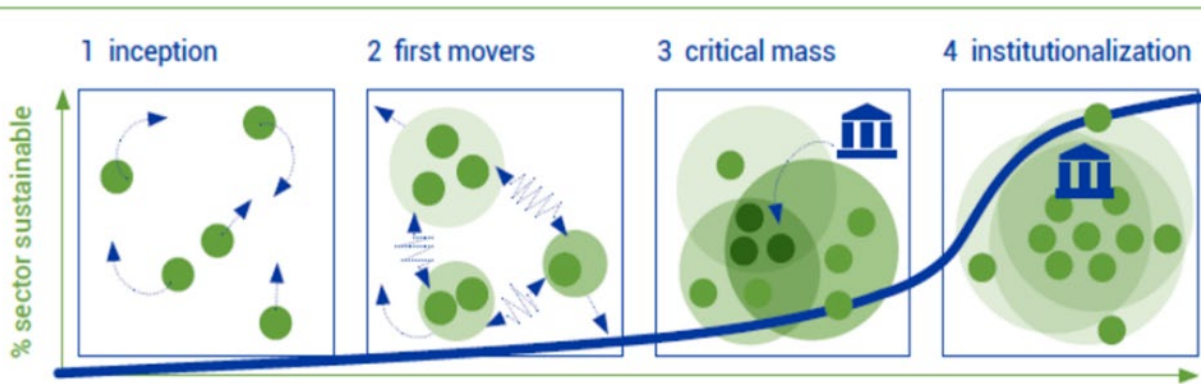


Figure 3: Four stages of market transformation. Source: [New Foresight](#)

©NewForesight



Eiland van Brienenoord



Onlanden



Millingerwaard



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SUSTAINABLE: LEARNING BY DOING

Types of climate buffers



Ecosystem engineers

Use of organisms to establish sediment and/or slow down waves



Carbon sinks

Carbon sequestration in organic material, formation of marshes and salt marshes



Green air conditioning

Temperature reduction from wetlands in and around the city



Natural sponge

Water retention in natural areas on higher ground



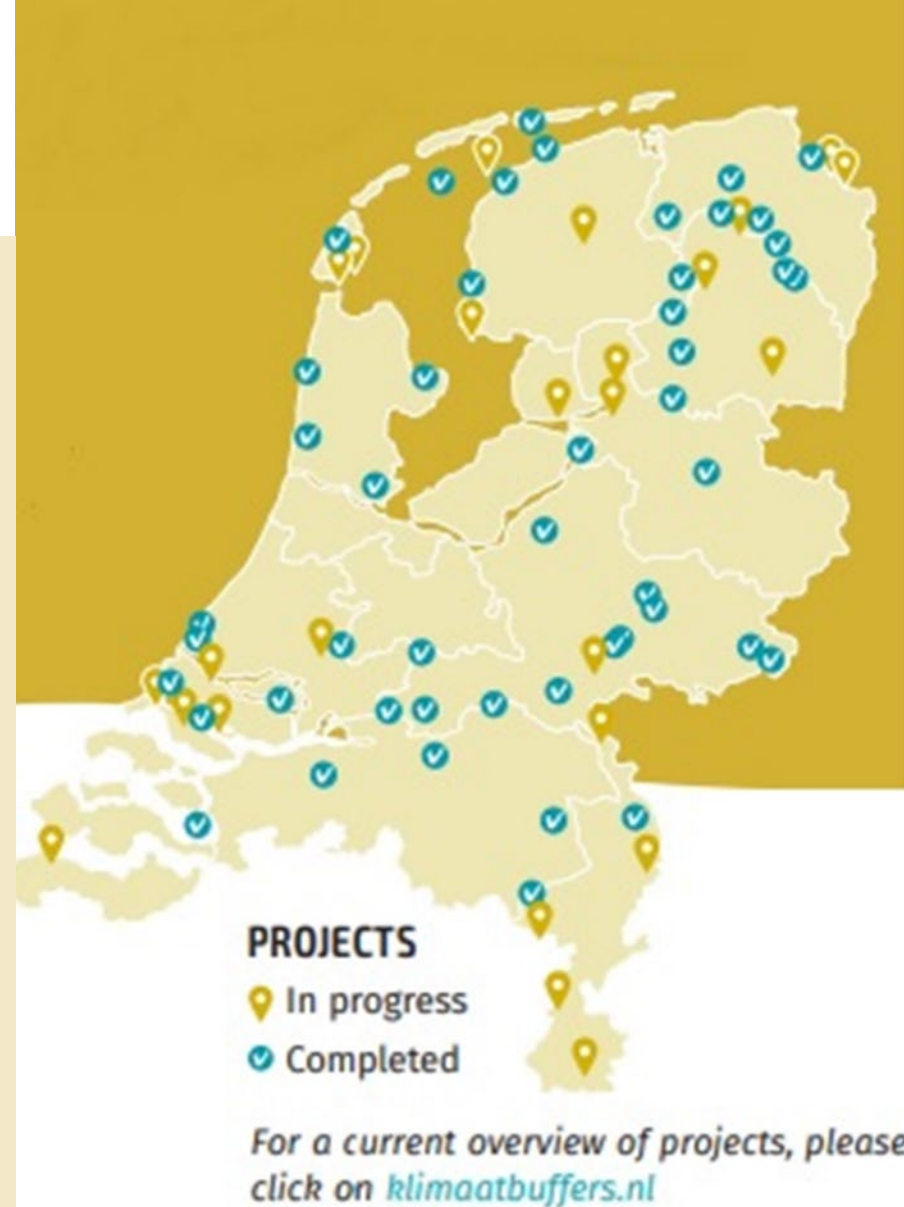
Living coast

Natural dunes with shifting sand, sandbanks and expanding salt marshes as coastal protection



Room for nature and water management

Natural inundation areas store the water when there is heavy precipitation and peak discharge



LIVING DANUBE PARTNERSHIP

Andreas Beckmann, Regional CEO /
WWF Central & Eastern Europe (WWF-CEE)



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River and wetland restoration and promotion

5,400 hectares restored
€20 million leveraged
65+ million people reached



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INTERLACE

Sandra Naumann /
Ecologic Institute



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SUSTAINABILITY



Pocket parks concept, City of Chemnitz



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inclusiveness MATTERS



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Source: Chandalaland



INCLUSIVENESS



"Instagram place" in Portoviejo, Ecuador (Photo: YES innovation)



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Living Danube Partnership

1+1+1 =
5...or 7?



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G4G: INCLUSION: DIVERSITY AND ACCESSIBILITY FOR ALL



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LIFE mBiG - INCLUSION

- NBS inclusive, egalitarian and adapted to the challenges of climate change
- Participatory design of NBS by students in pilot buildings
- Selection of pilot buildings in impoverished neighborhoods, with different cultures and high unemployment rate
- We use the educational potential of NBS in schools



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Source: Peter van
de Wiel

LIFE mBiG - AESTHETICS: MORE BEAUTIFUL AND MORE NATURAL SCHOOLS



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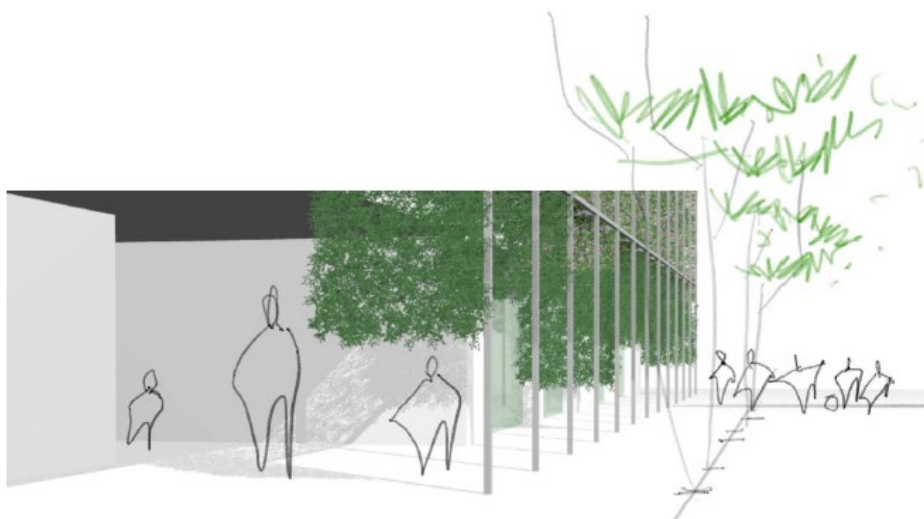
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LIFE mBiG - AESTHETICS: MORE BEAUTIFUL AND MORE NATURAL SCHOOLS



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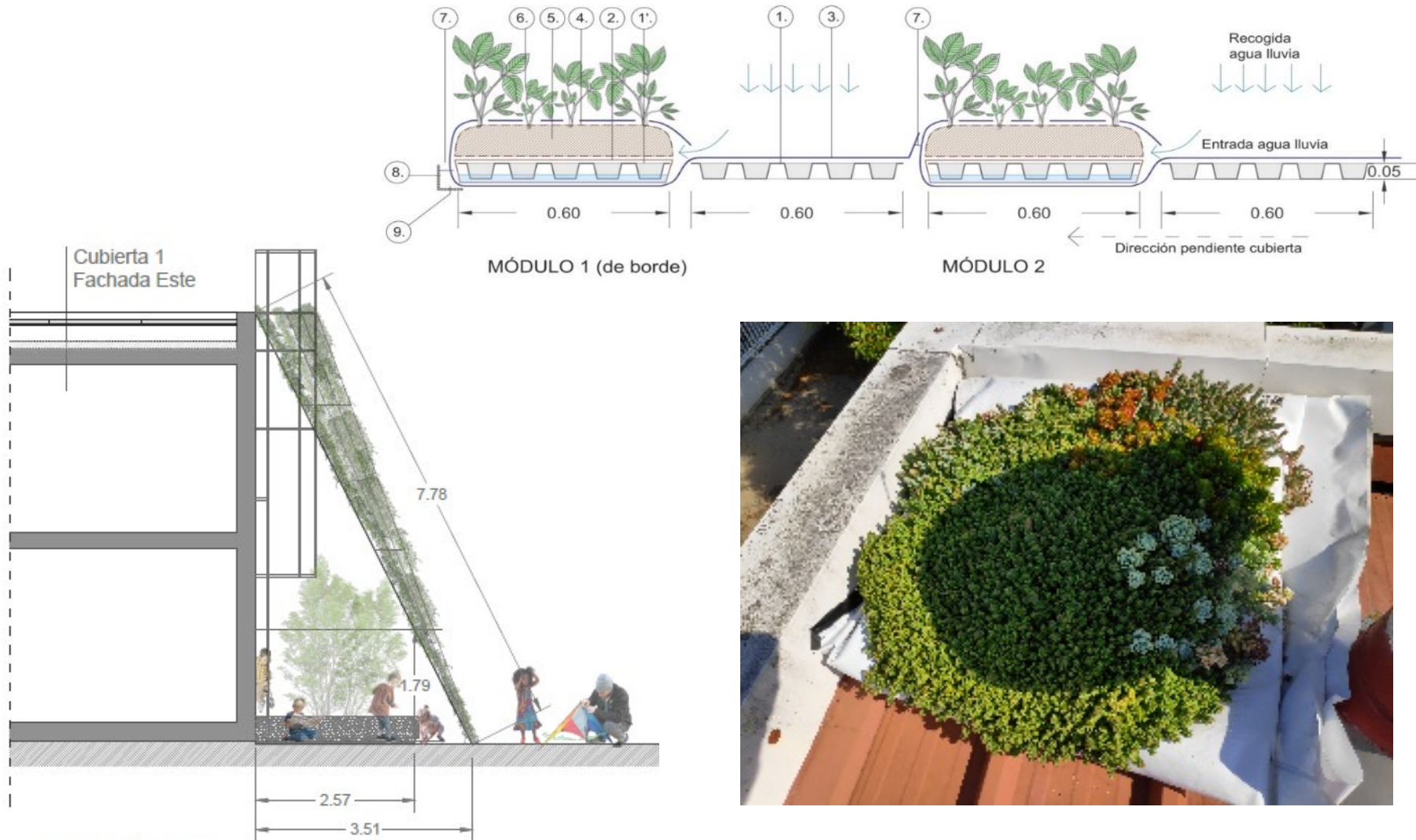
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LIFE mBiG - AESTHETICS: MORE BEAUTIFUL AND MORE NATURAL SCHOOLS



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G4G - AESTHETICS: SPATIAL TRANSFORMATION STIEMER VALLEY



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BEAUTIFUL



Eiland van Brienenoord



Millingervaart



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BEAUTY



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THANK YOU!

For now...

It's time to bring in the audience!



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