

Building Cathedrals in the sand

Brecht Lootens
ORG Permanent Modernity

Executive Forum
Oct 5 2022, Brasschaat



About Brecht

Ecosystem builder

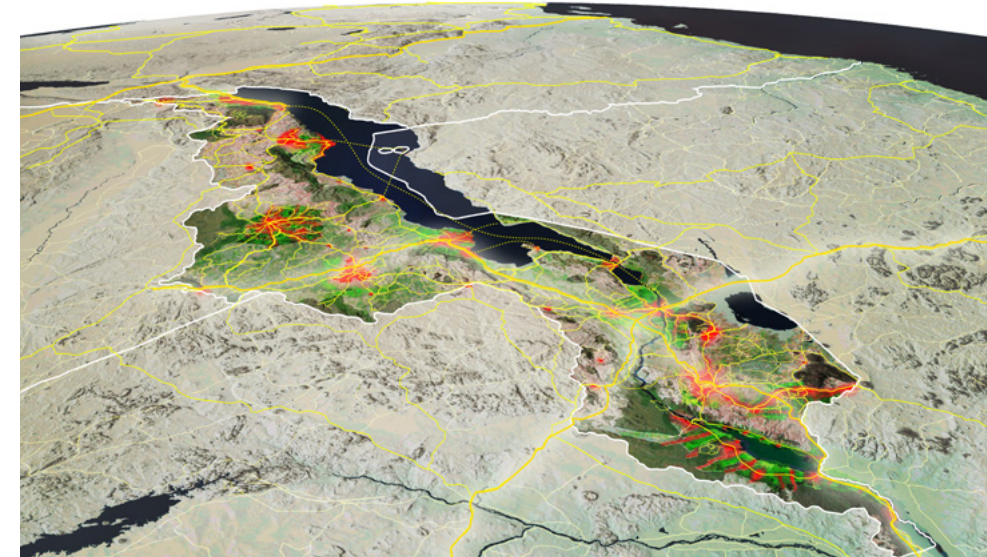


Mediator

Opportunity shaper

Anthropologist

About ORG



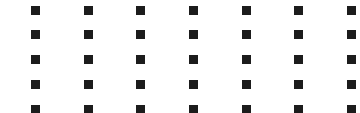
ARCHITECTURE

Our architectural vision is for robust, long-lasting forms designed to be flexible, adaptable, simple and elegant.



URBANISM

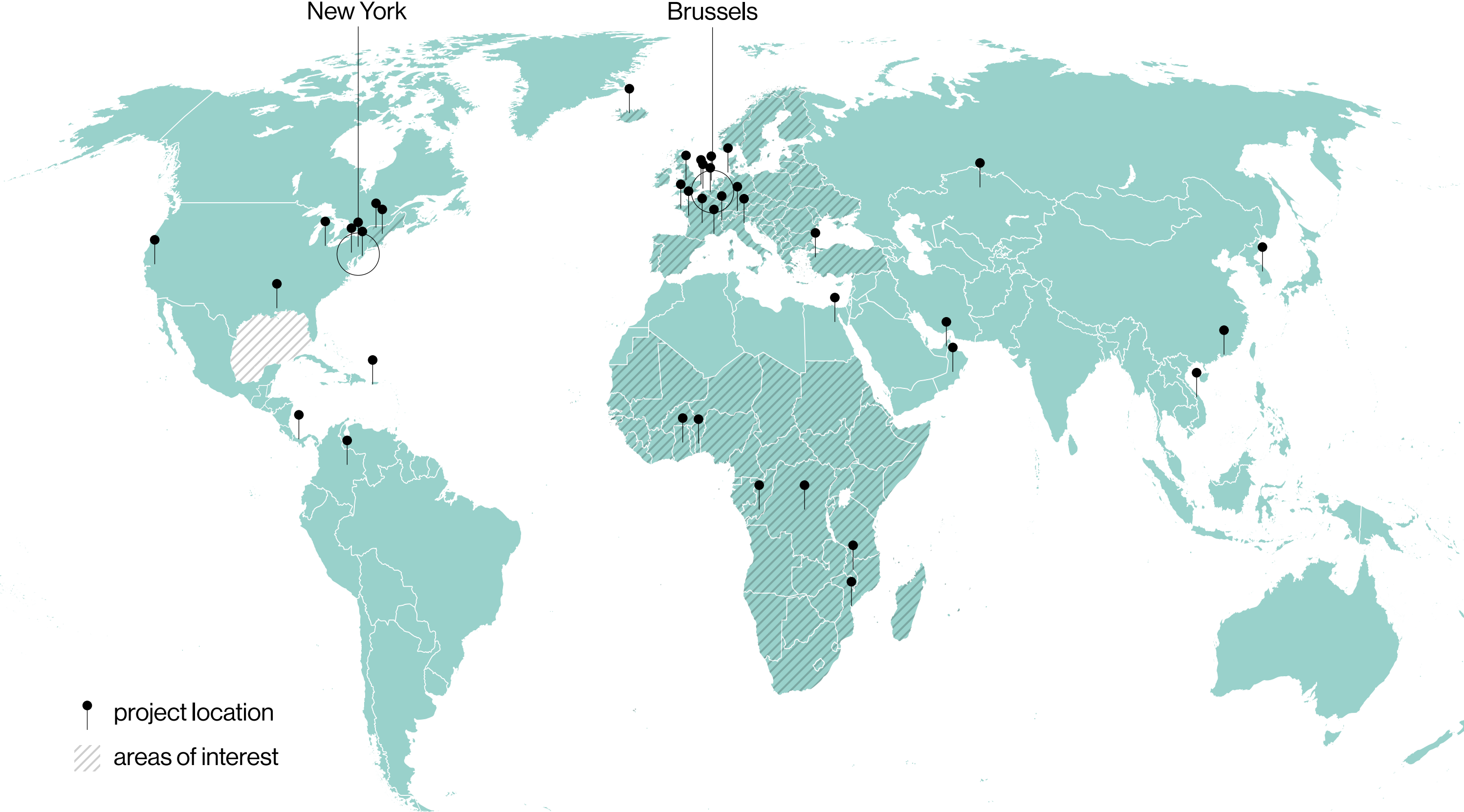
We carefully interweave complex, building types, landscapes and infrastructures into urban environments for widely beneficial, lasting success.



SYSTEMS

Our Systems division takes on transformational projects related to mobility, water, energy, agricultural, economic and ecological systems for regional to global impact.

About ORG



● project location
▨ areas of interest

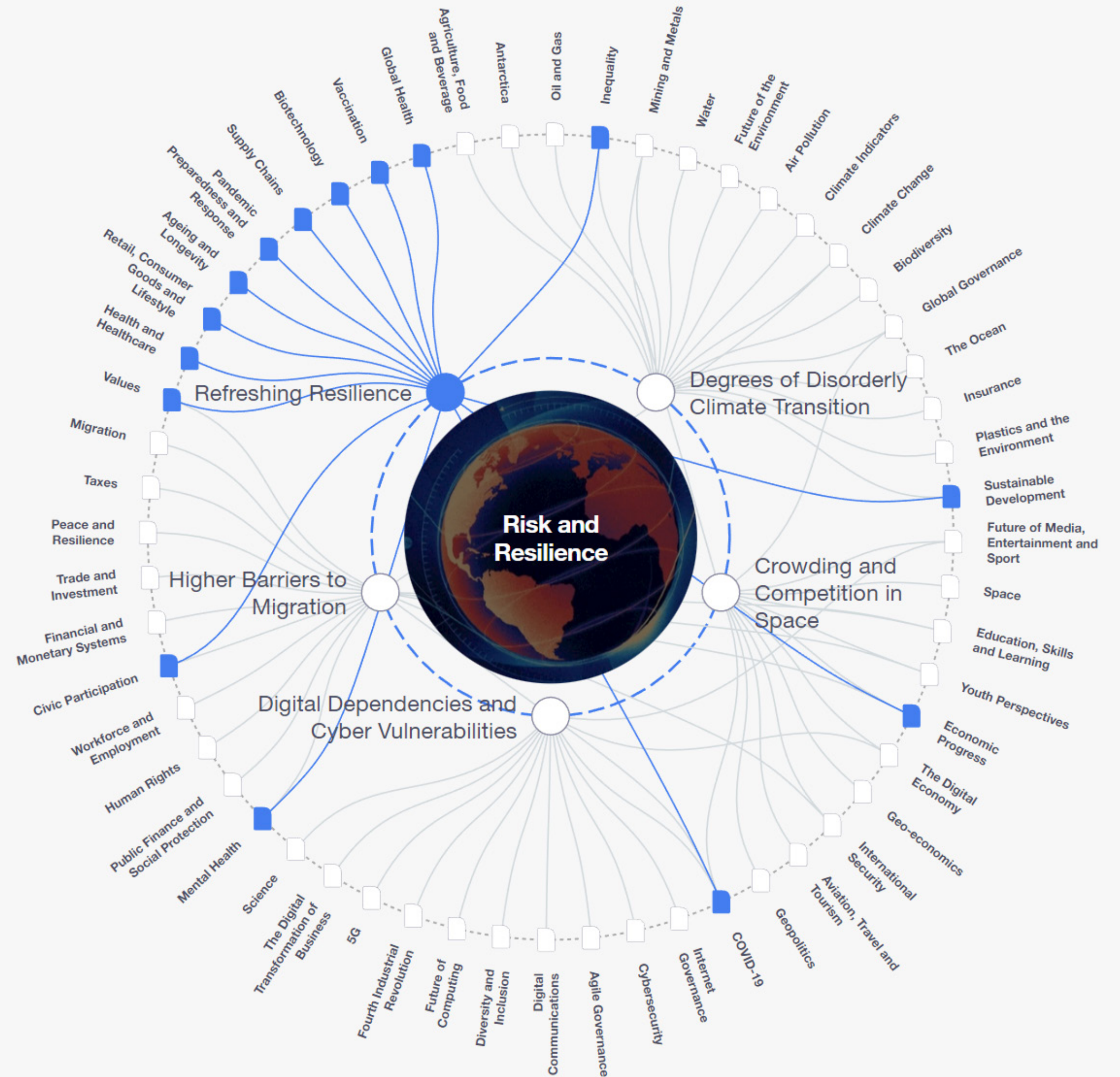
About Cathedrals



About the Sand

WORLD ECONOMIC FORUM

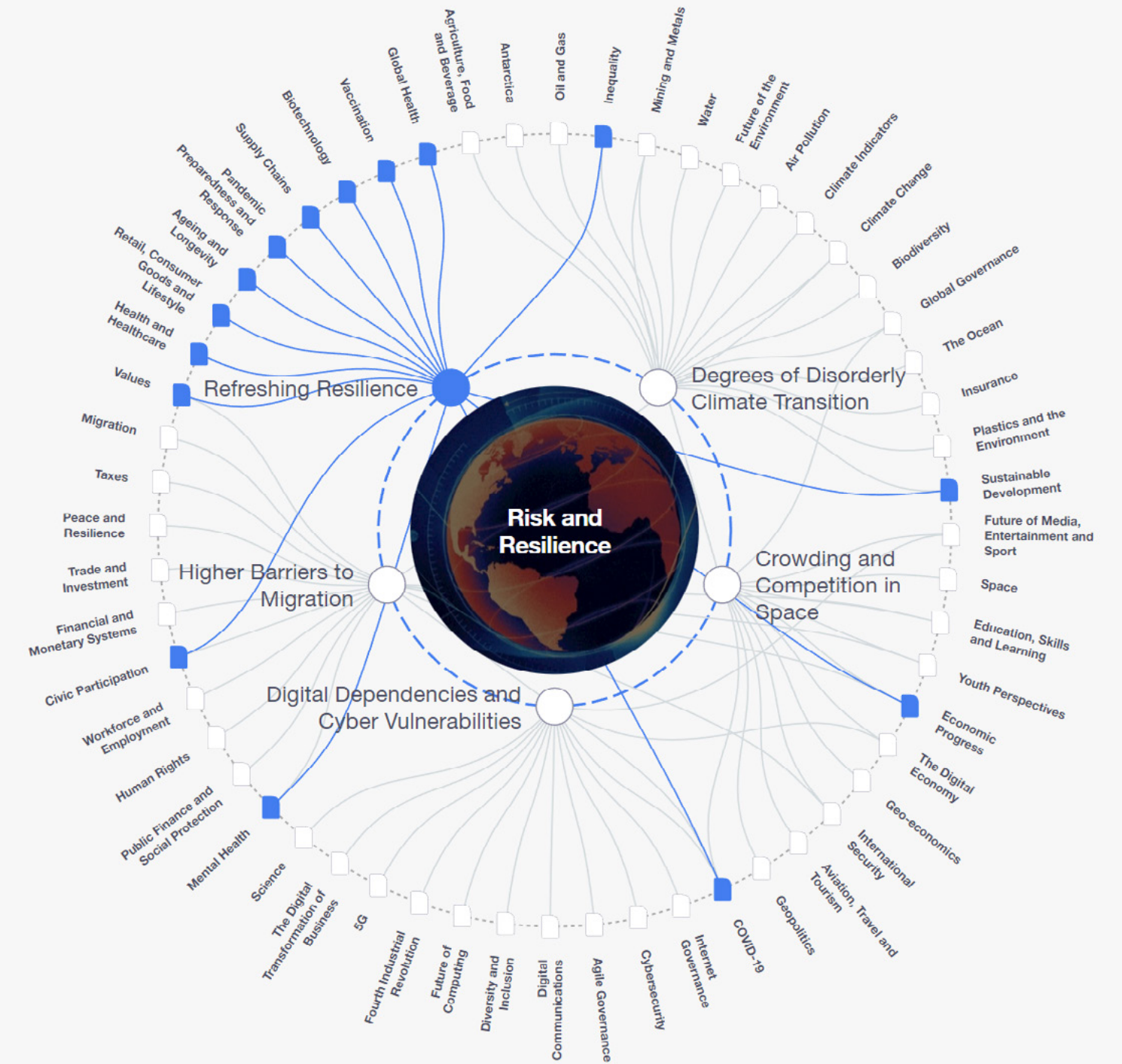
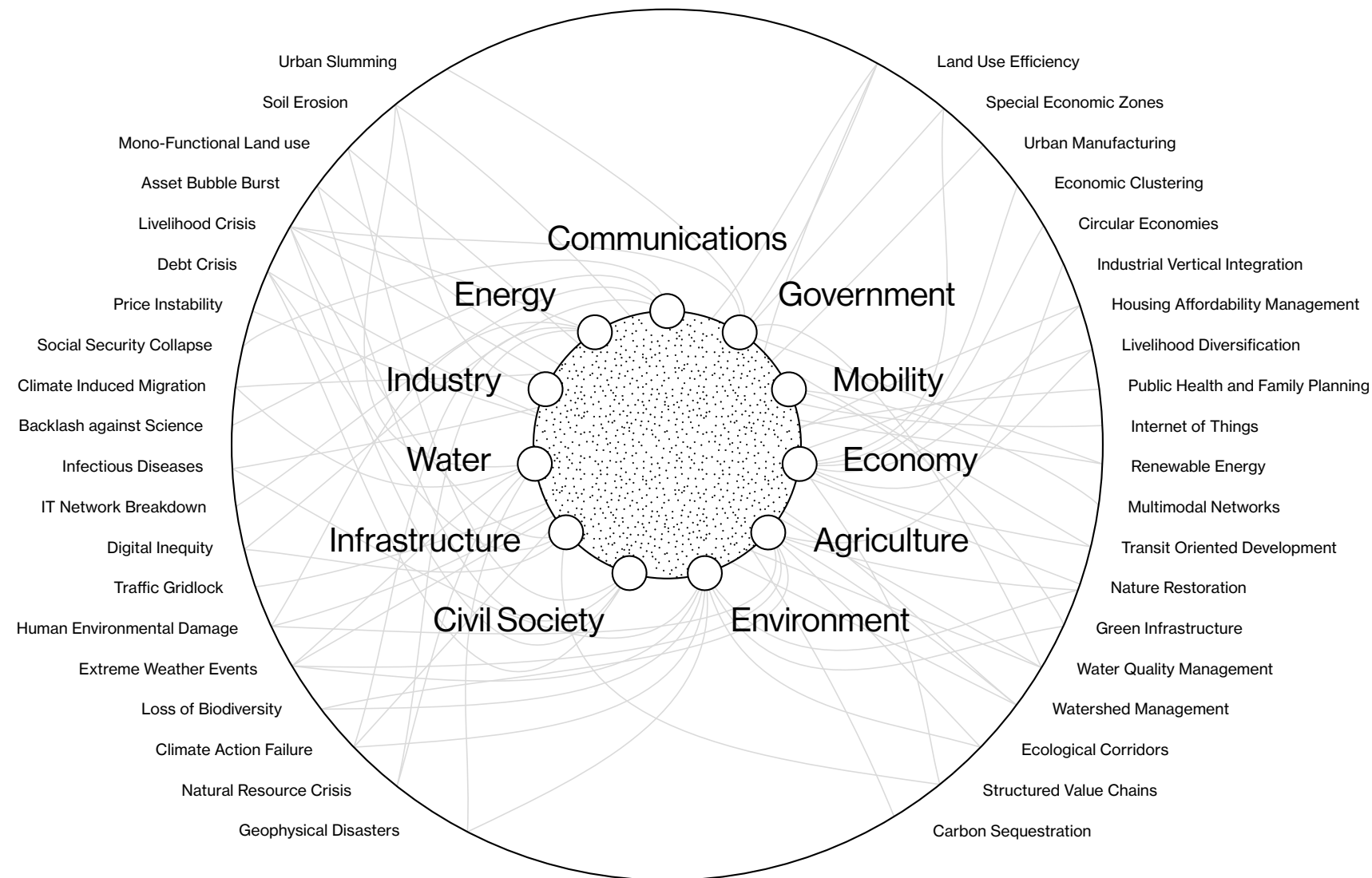
WEF Intelligence



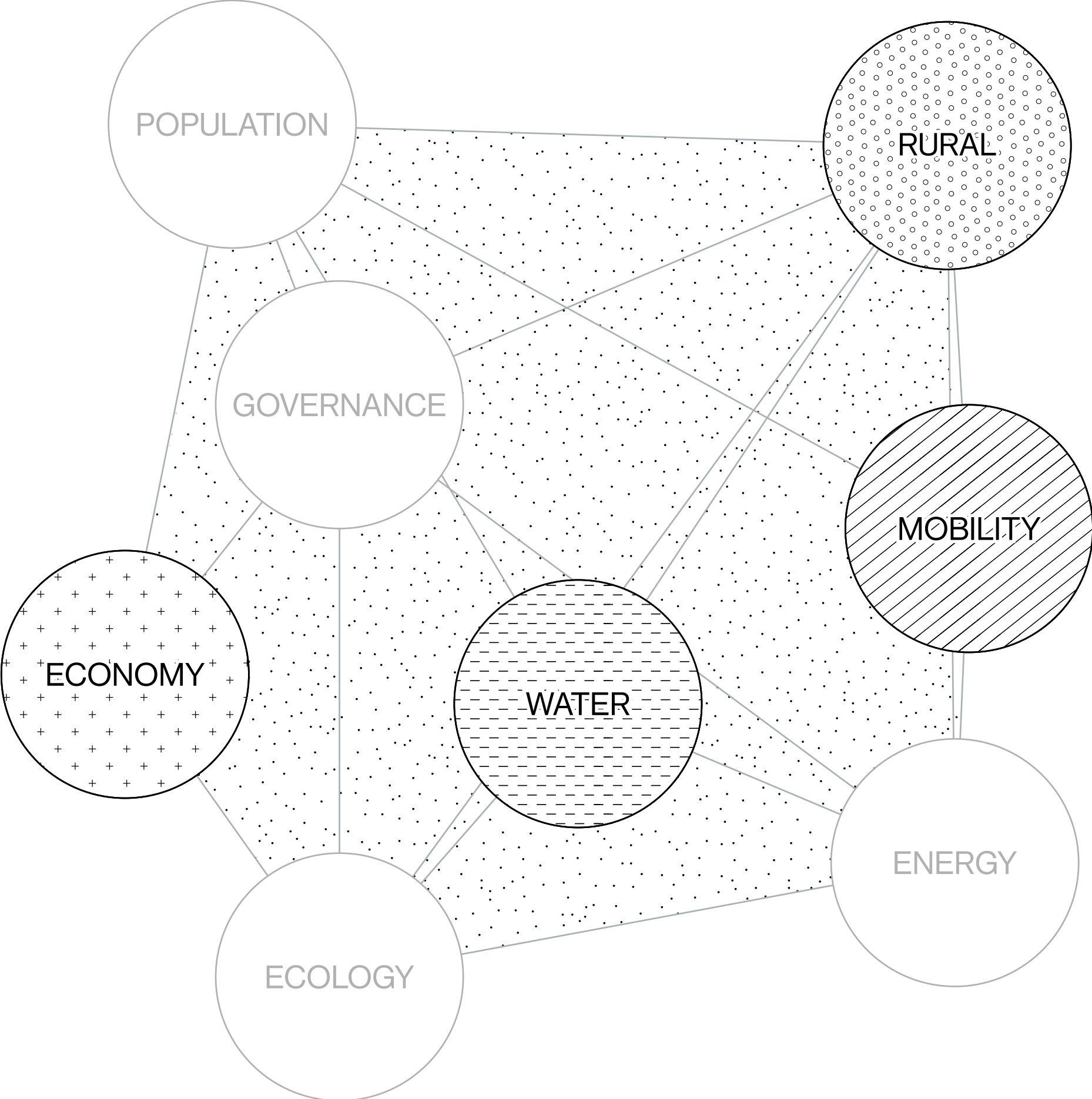
Systems

RISKS

OPPORTUNITIES



Systems

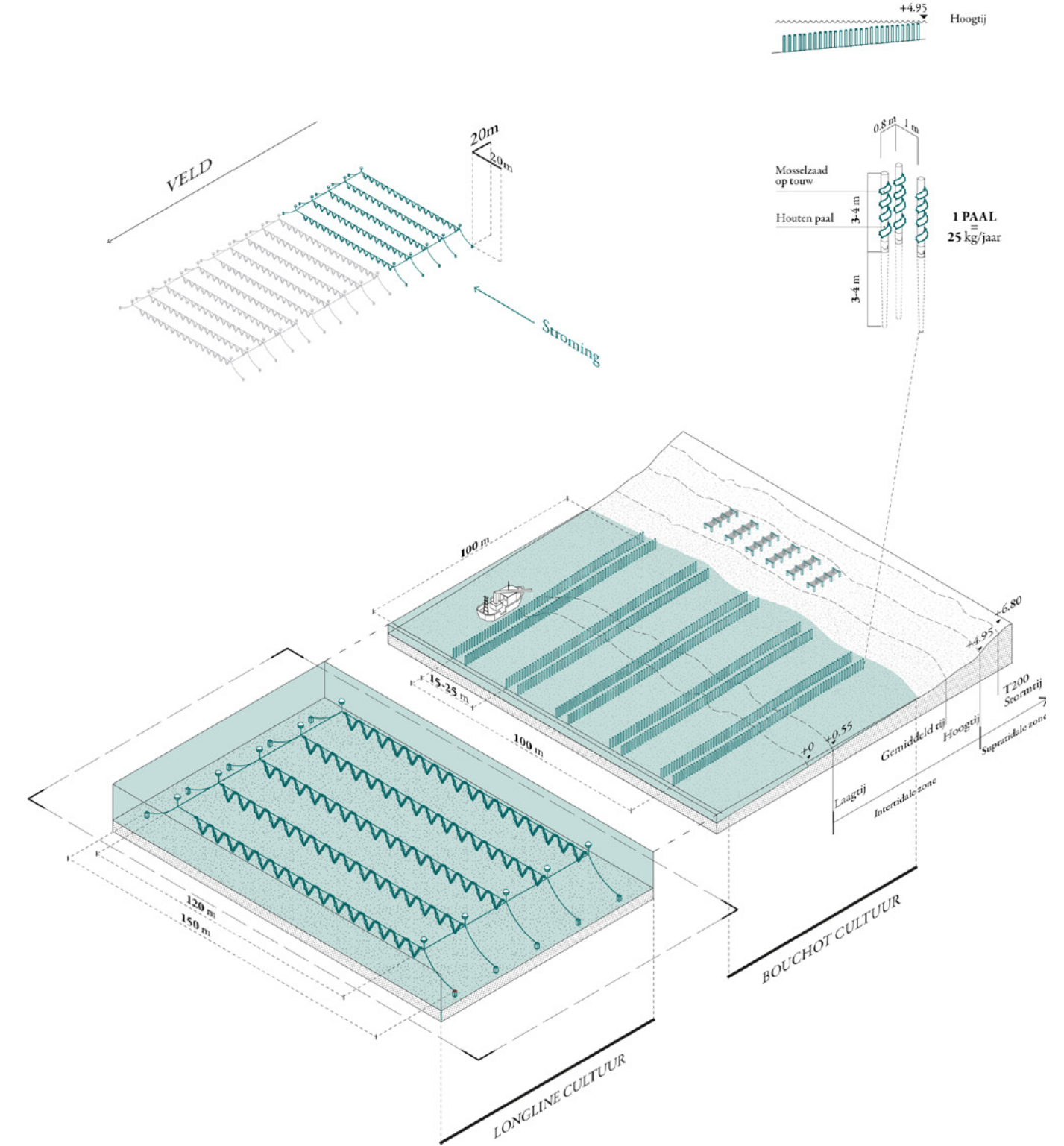
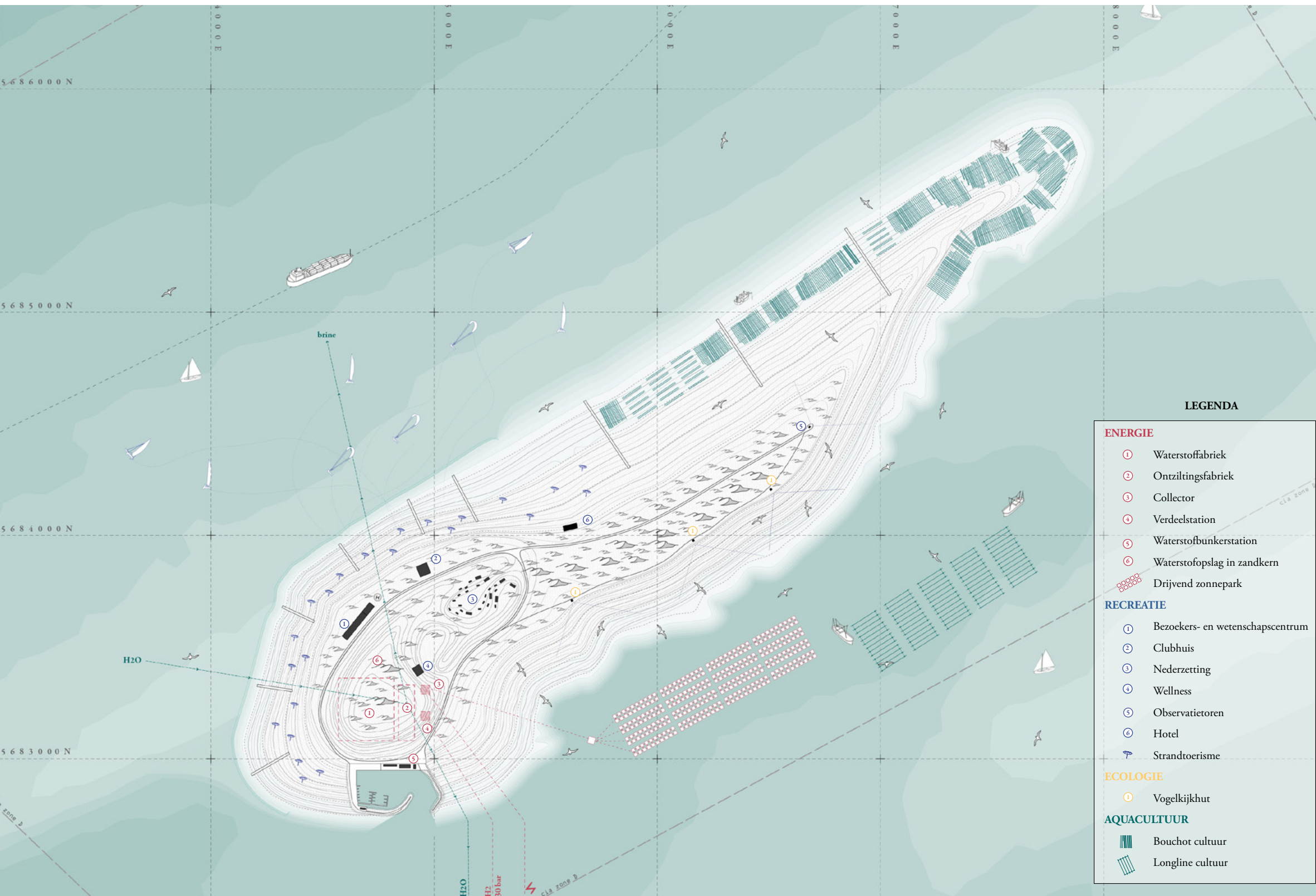


New Meadowlands

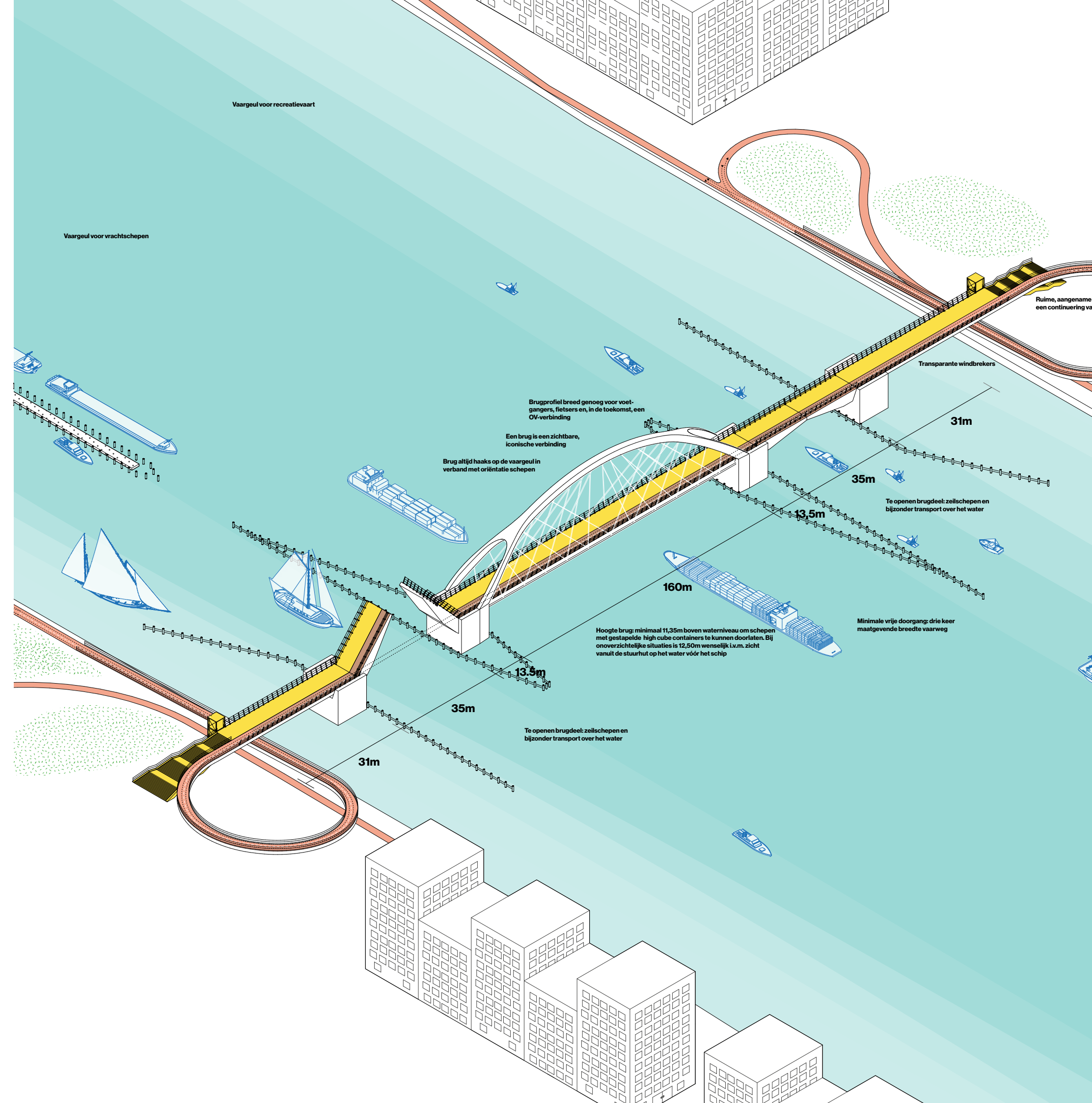
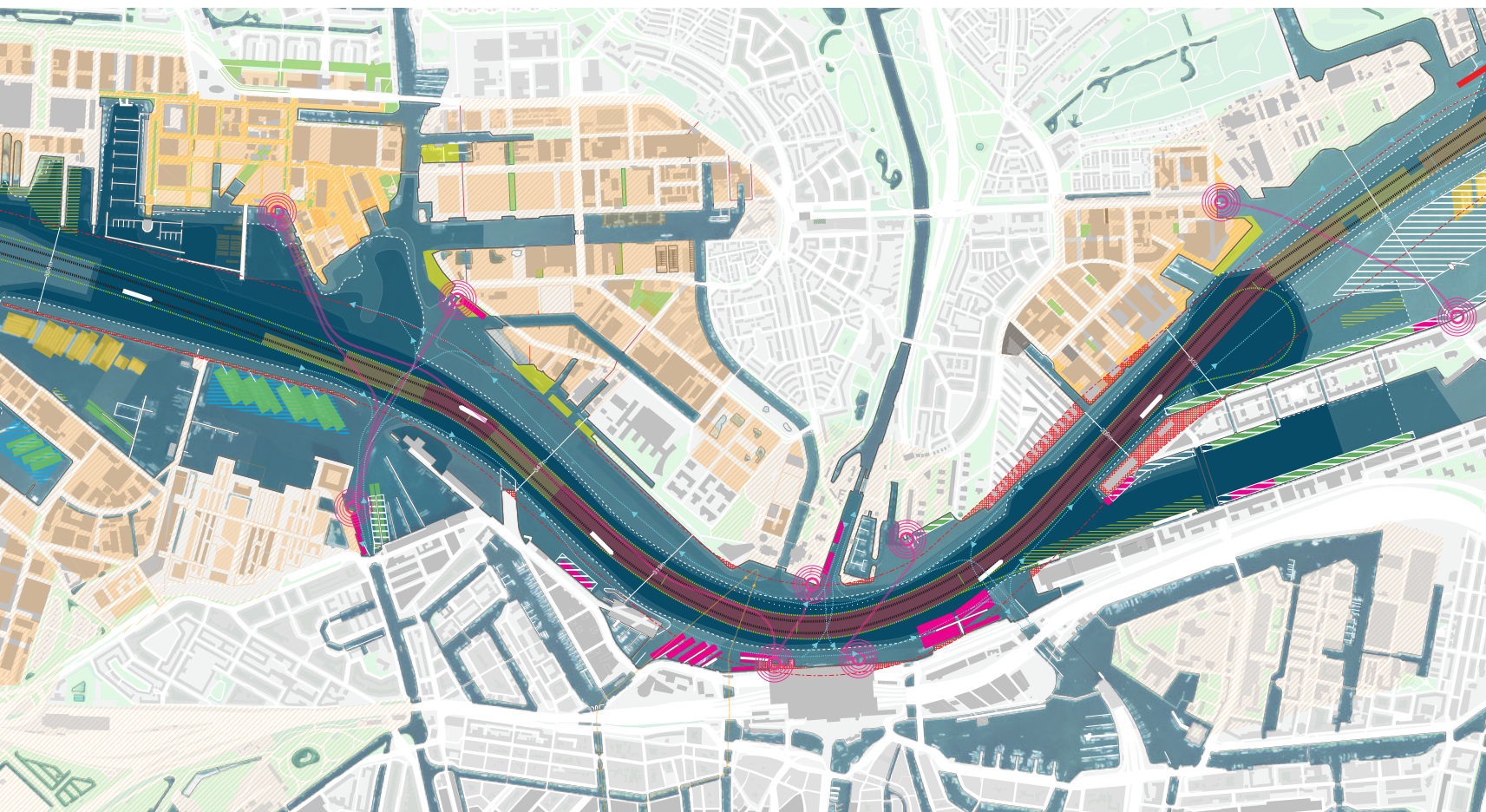
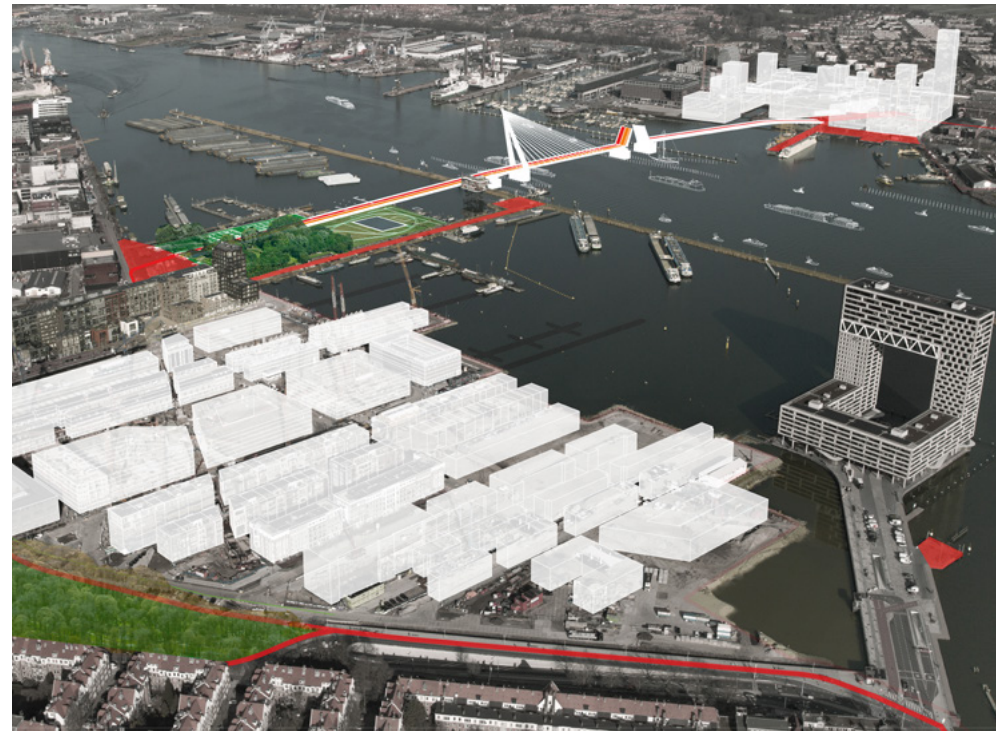
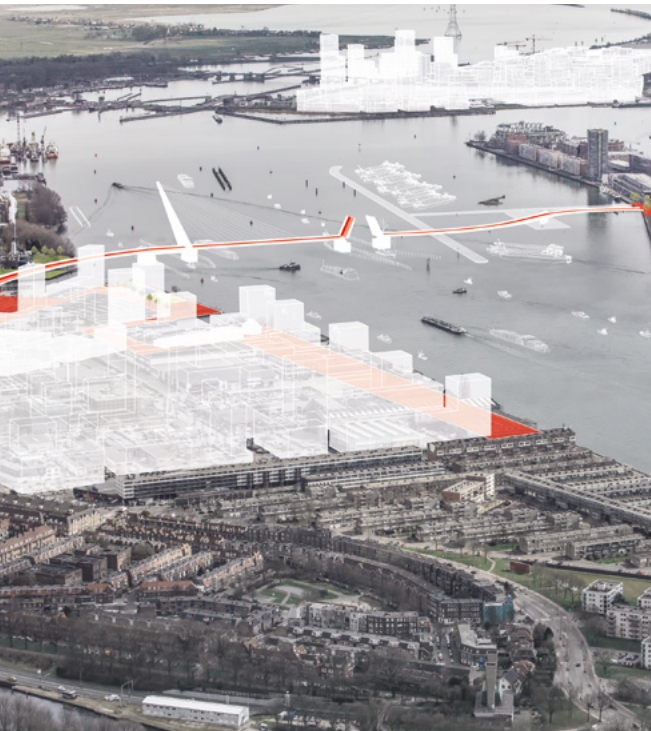
NEW YORK CITY BAY,
UNITED STATES



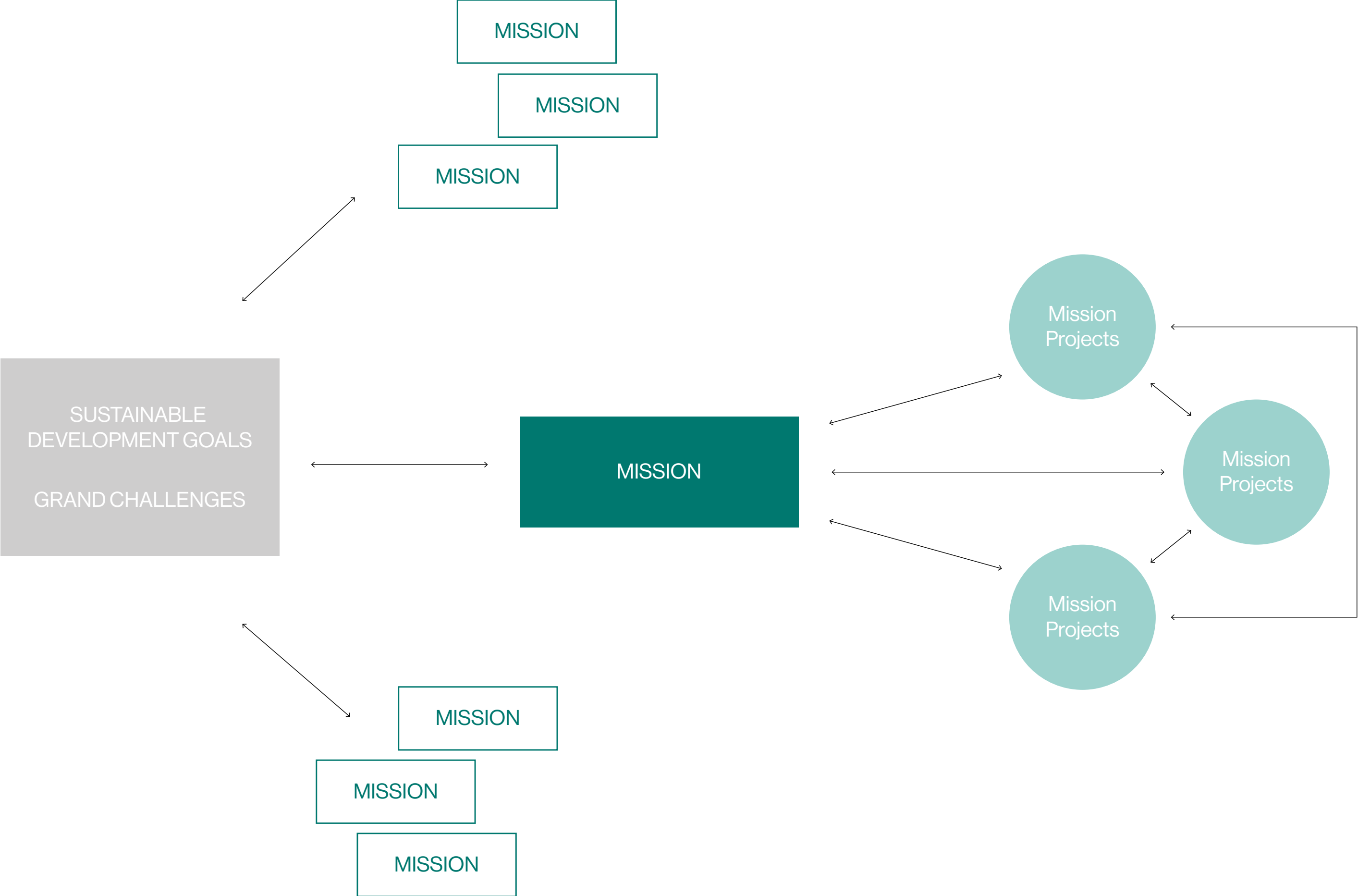
Design for Public Impact



Connecting the IJ



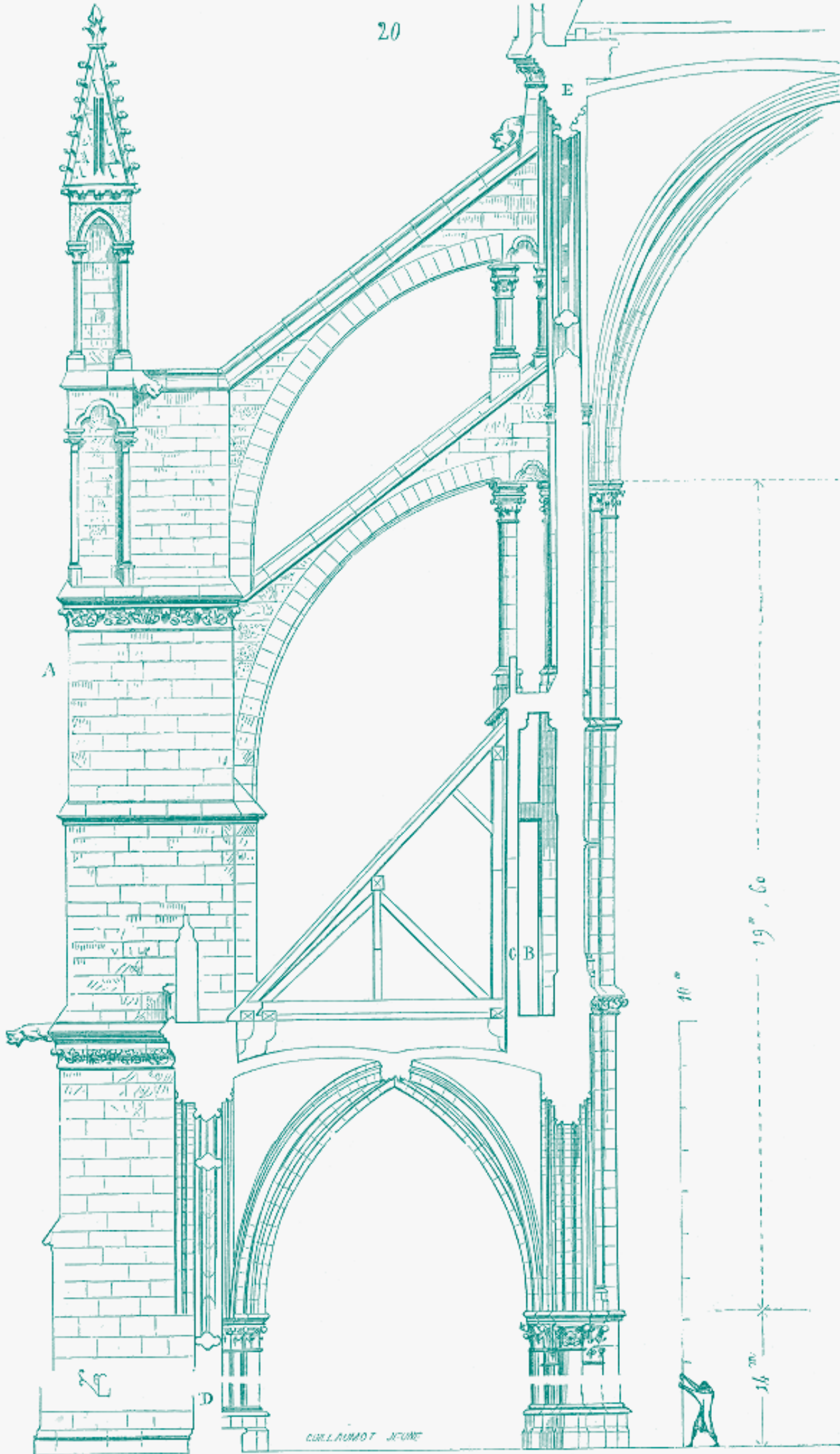
Missions



Missions are today's cathedrals

MISSION

Cathedrals need support

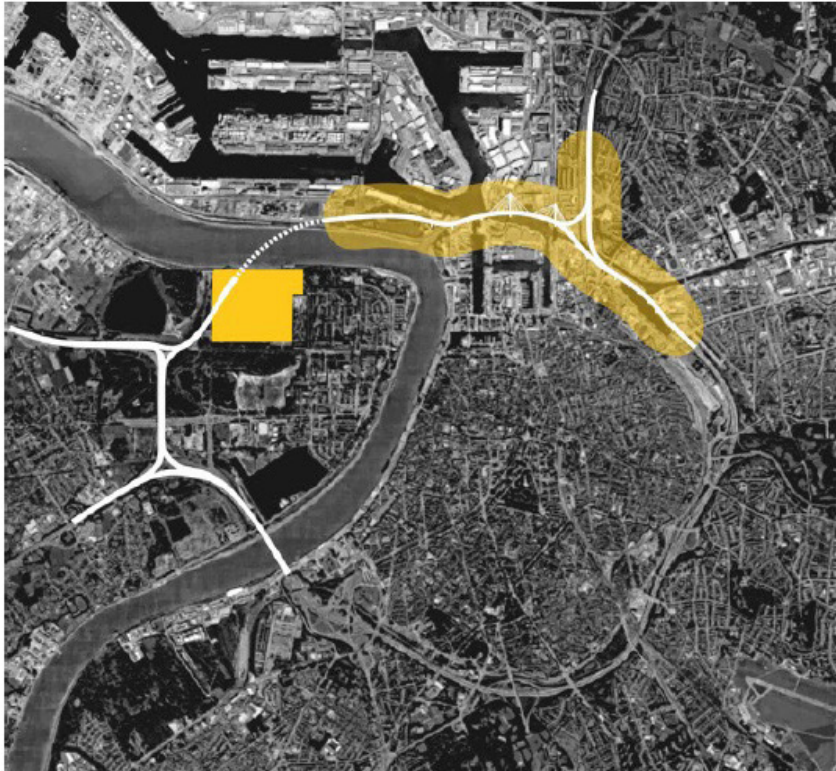


Missions: a Systems approach



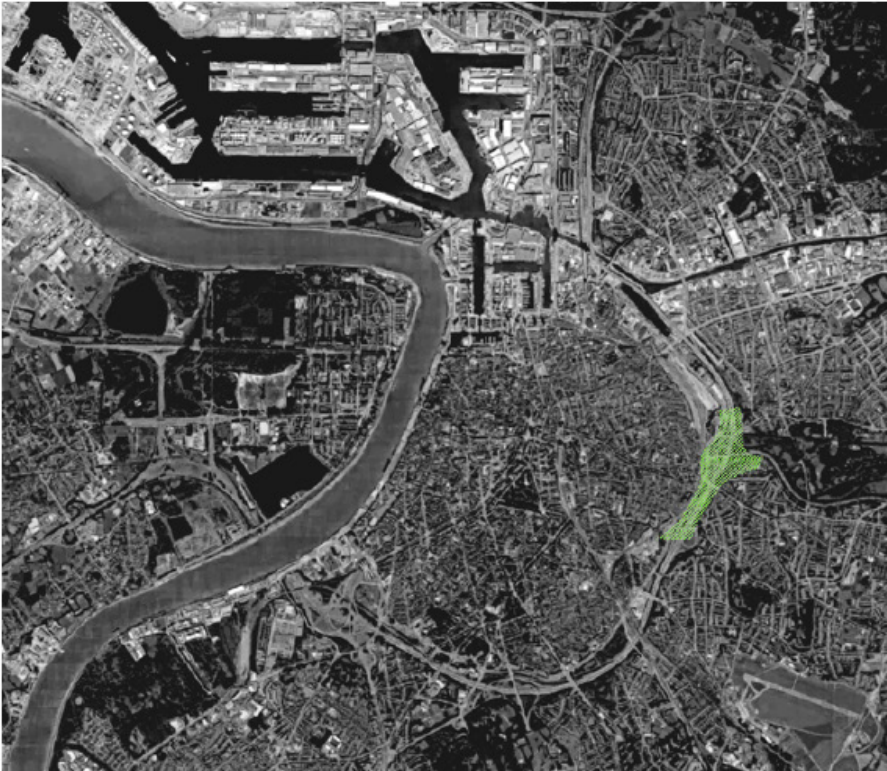
Missions... Impossible

1996



Flanders: Close the Northern Ring

2004



Local commitee: Cap the existing Ring



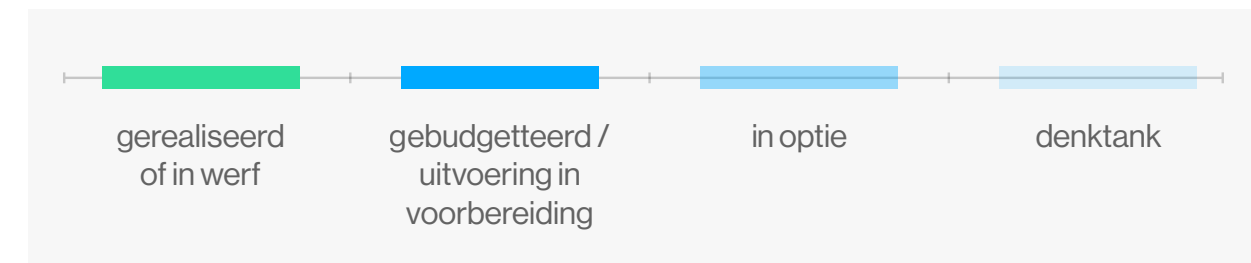
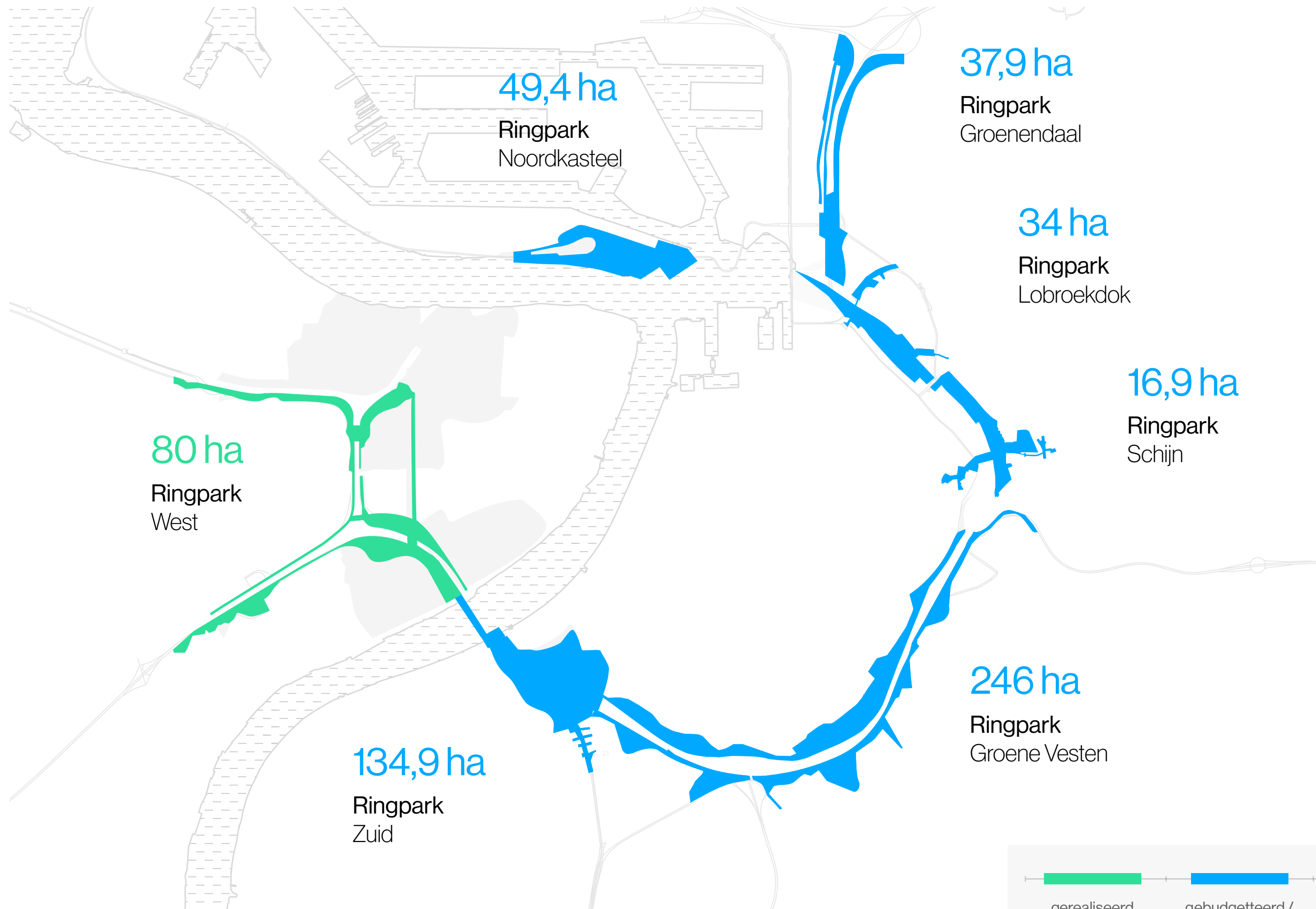


Antwerp today



Antwerp tomorrow

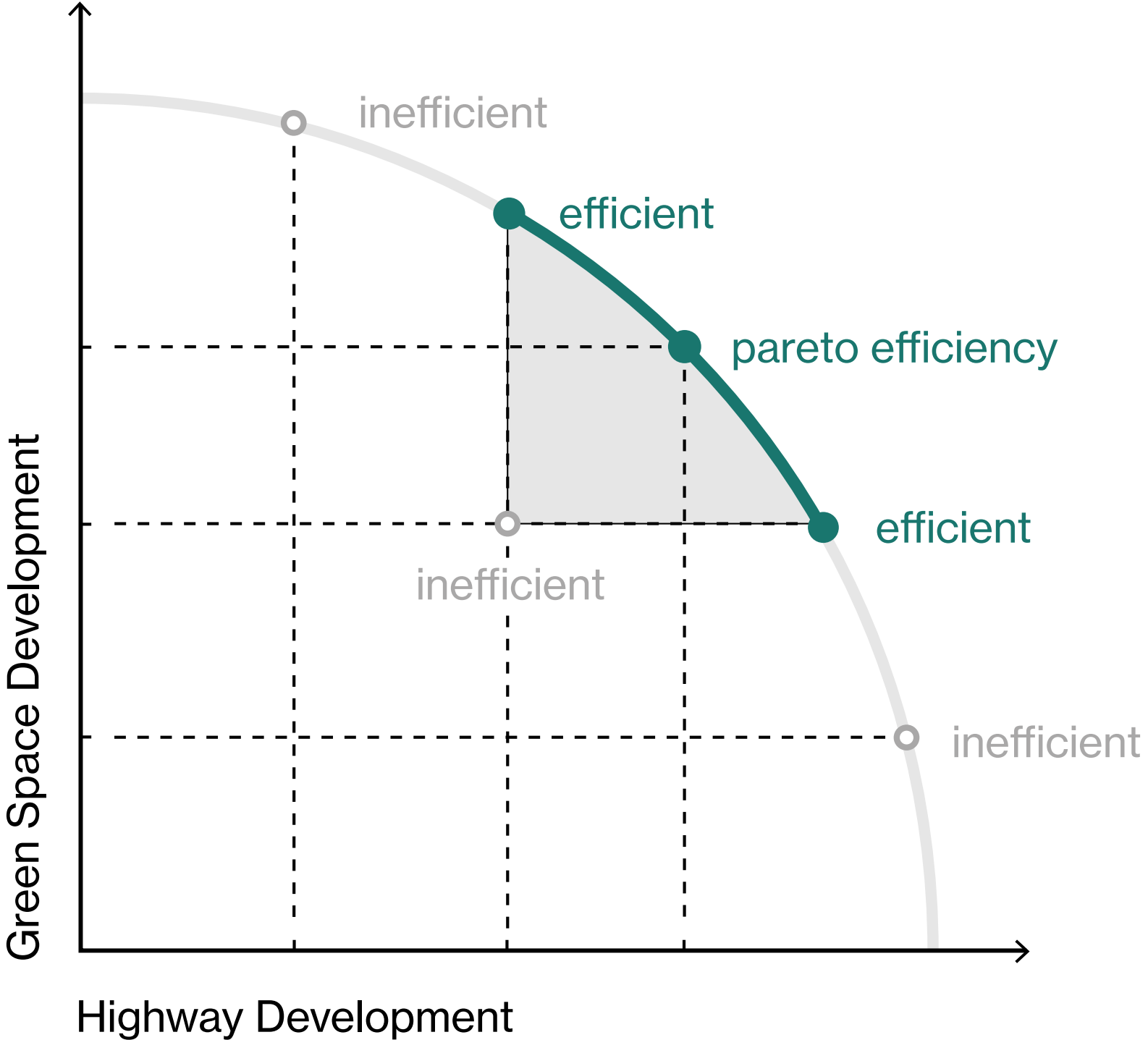


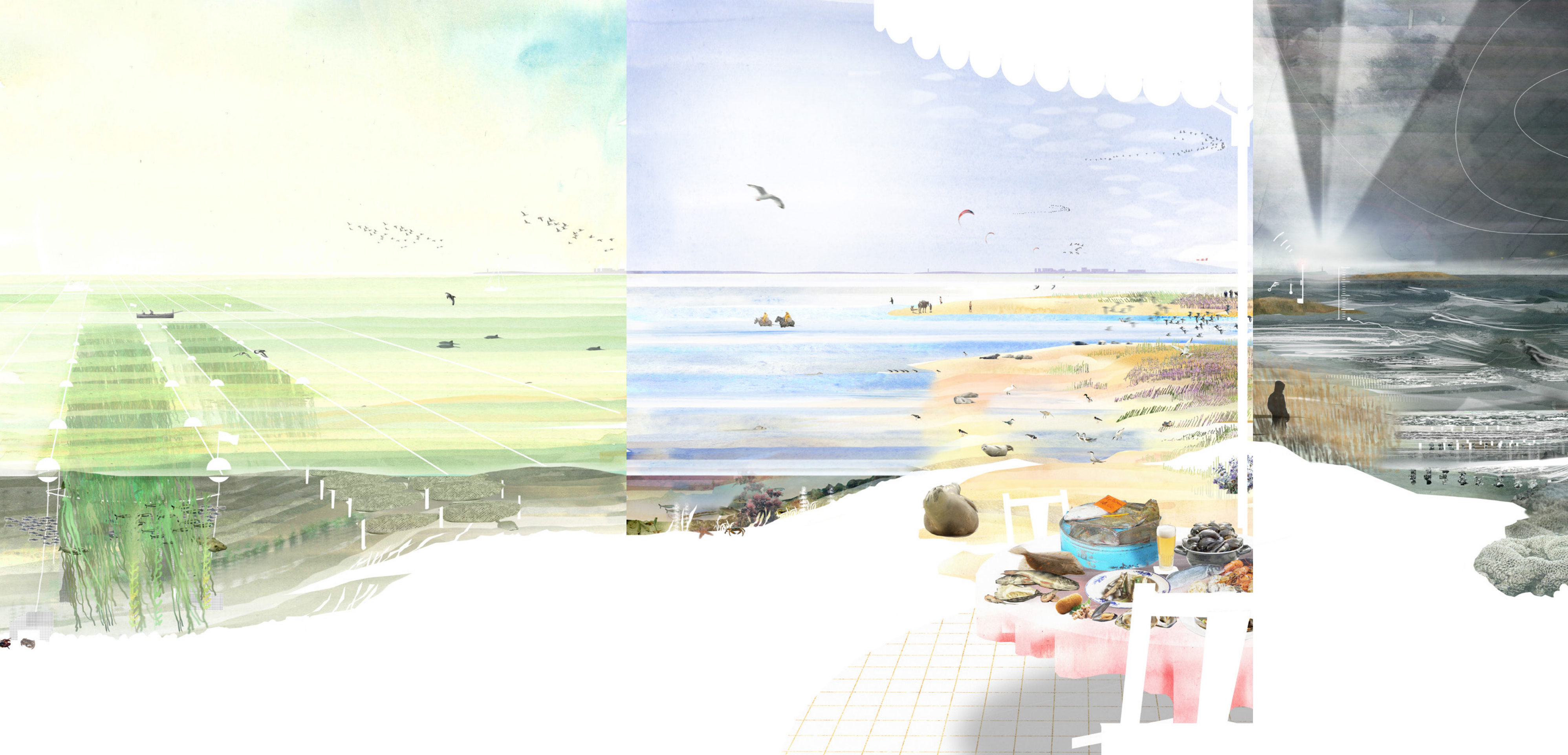


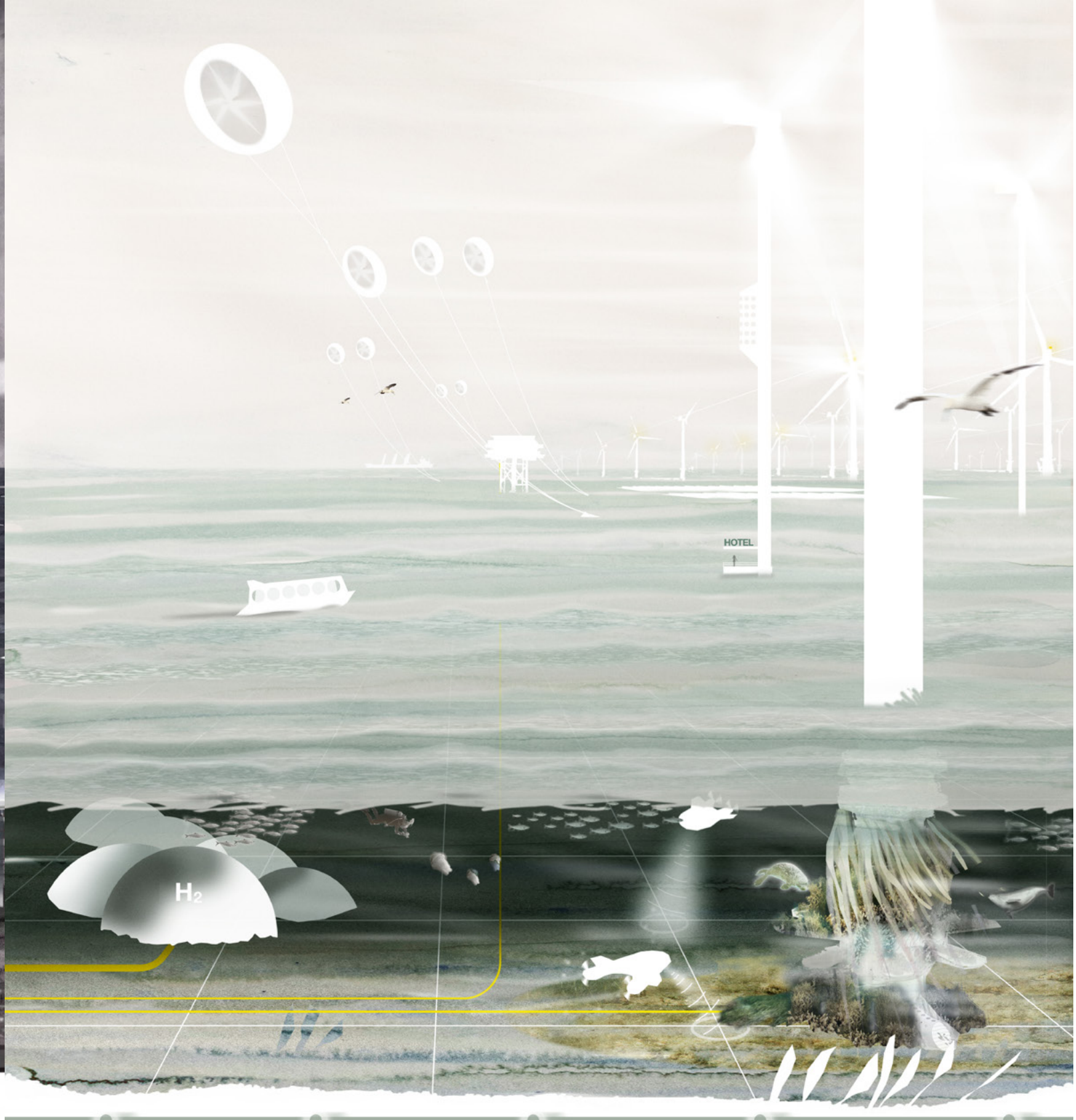
Coalition building & process management



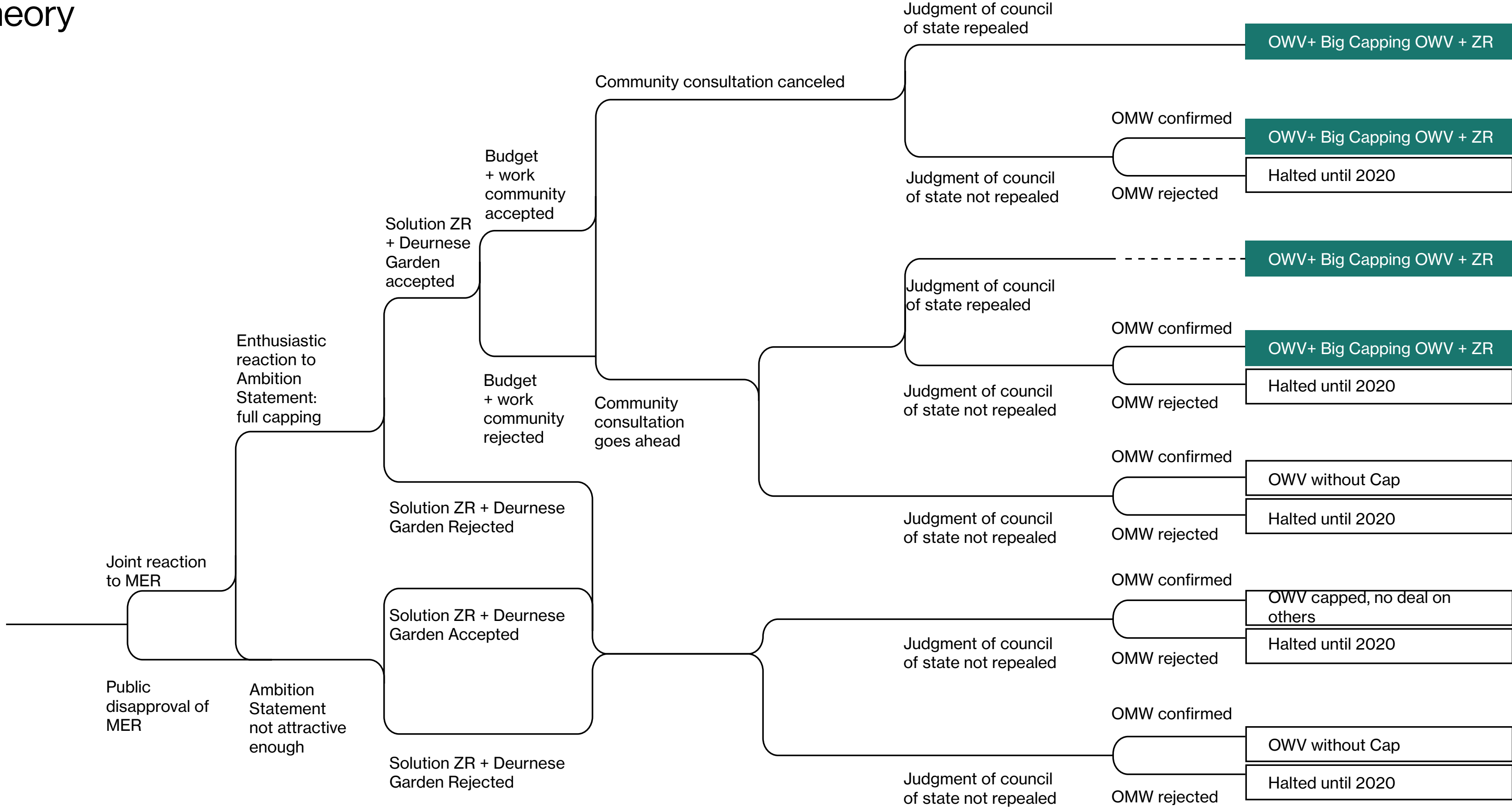
Space as a generous medium

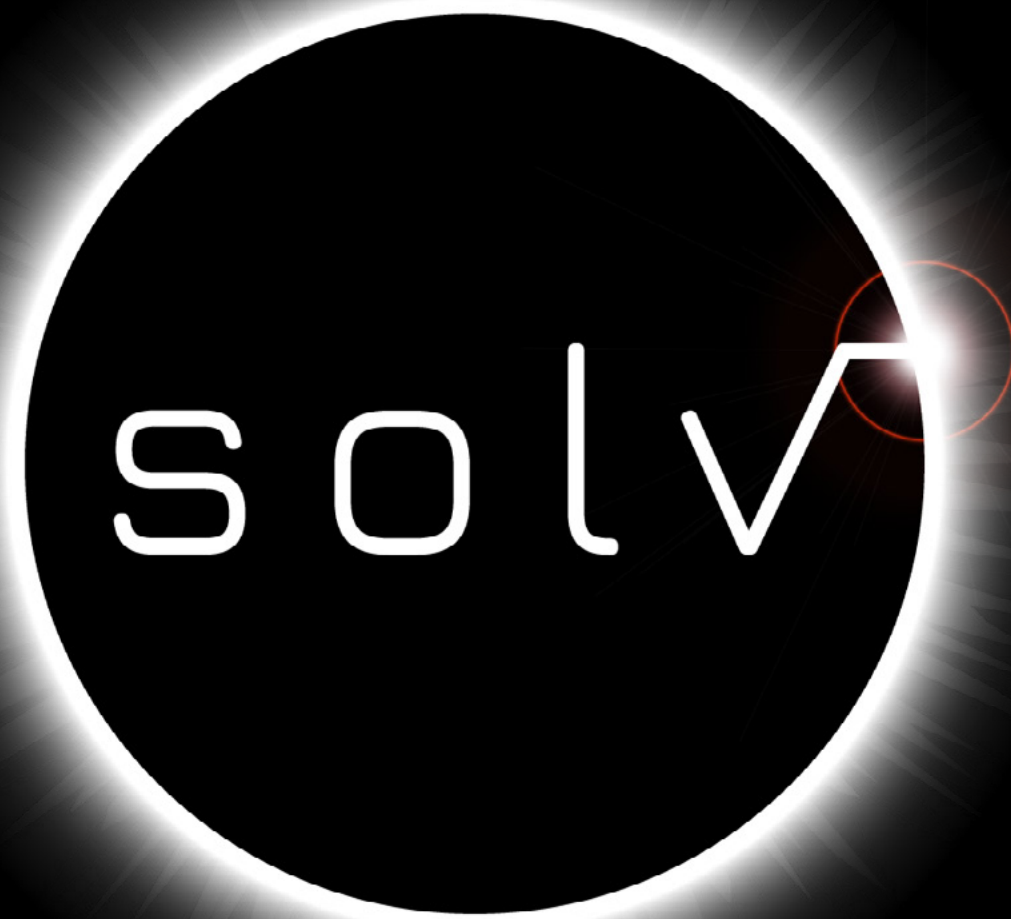






Game theory

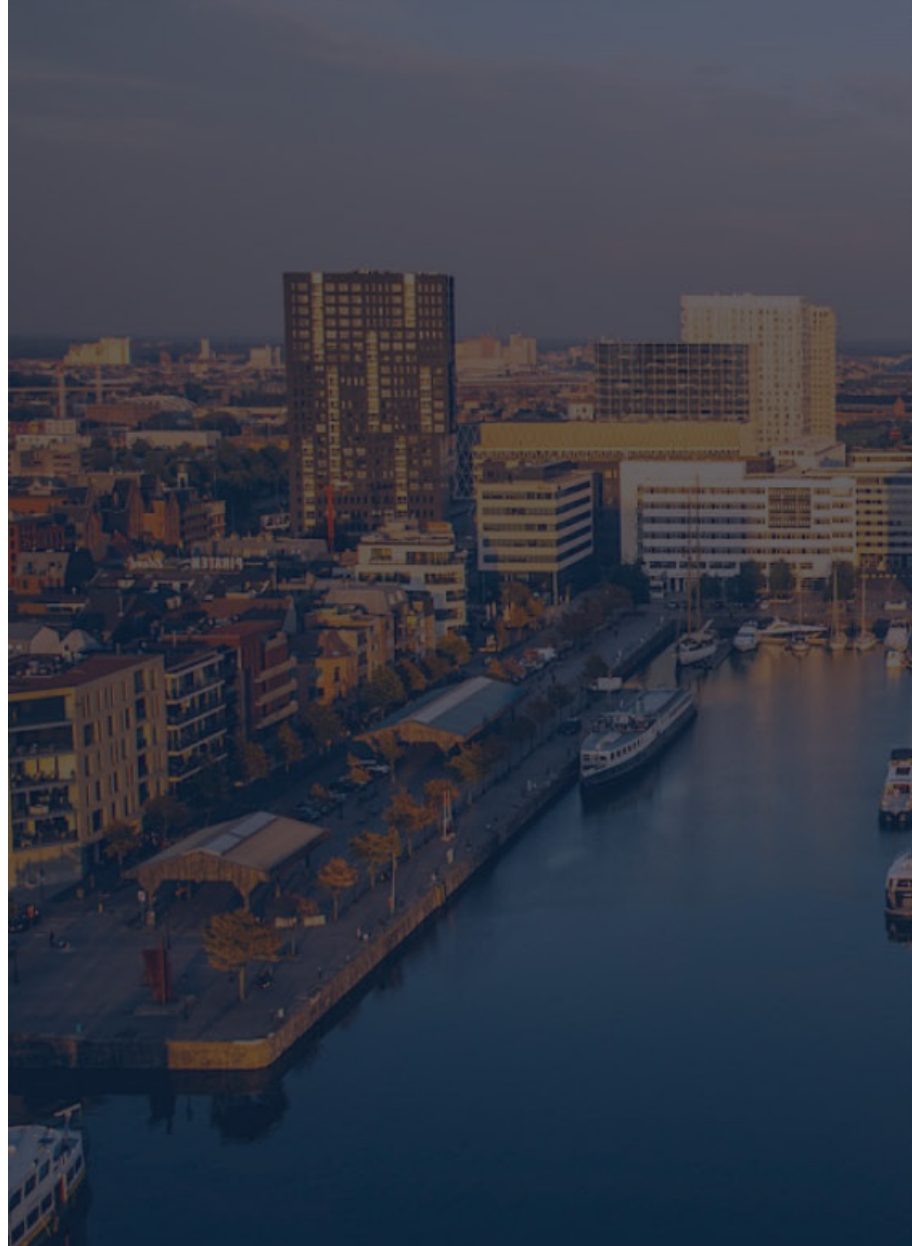




Maximal impact, minimal risk

Antwerp

Oosterweelverbinding



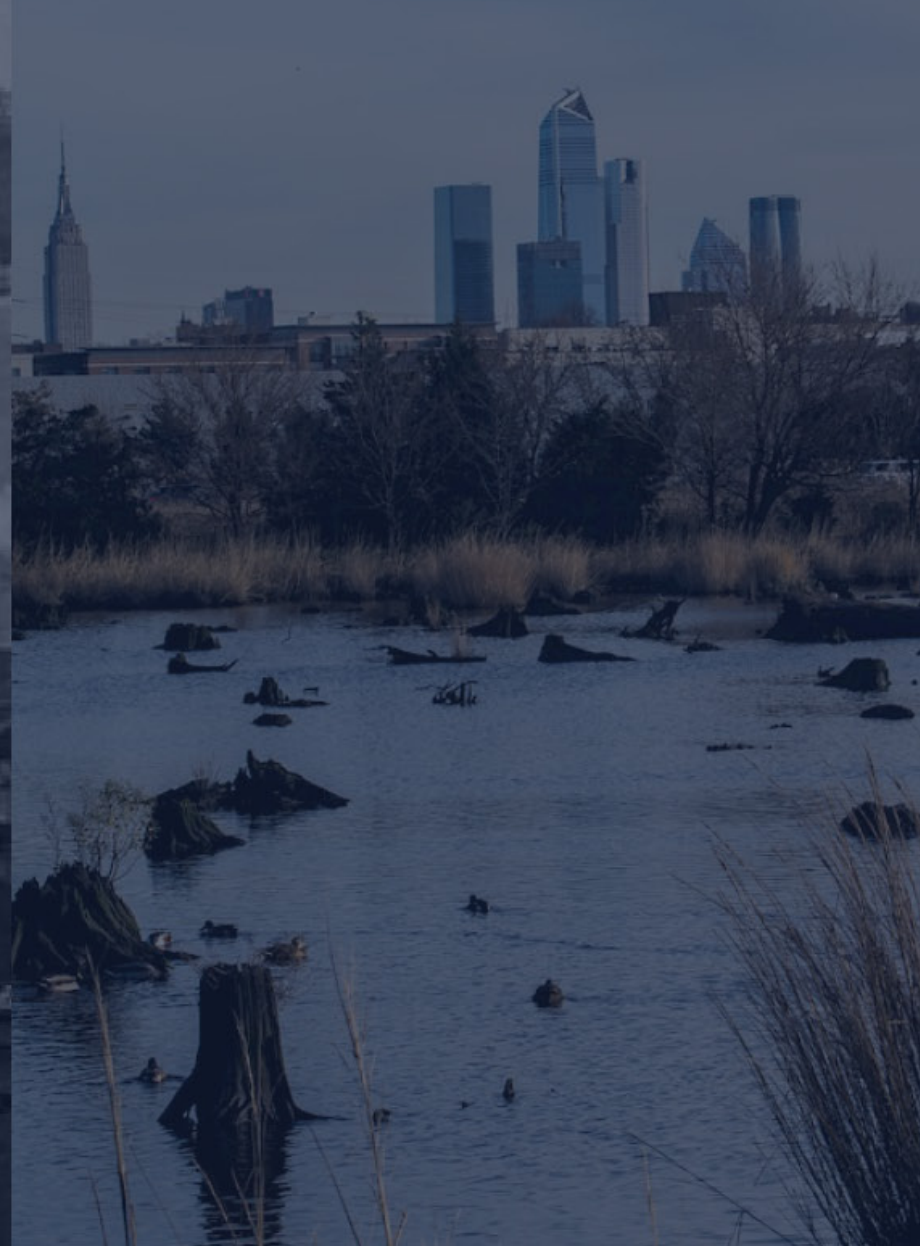
Brussels

Uplace



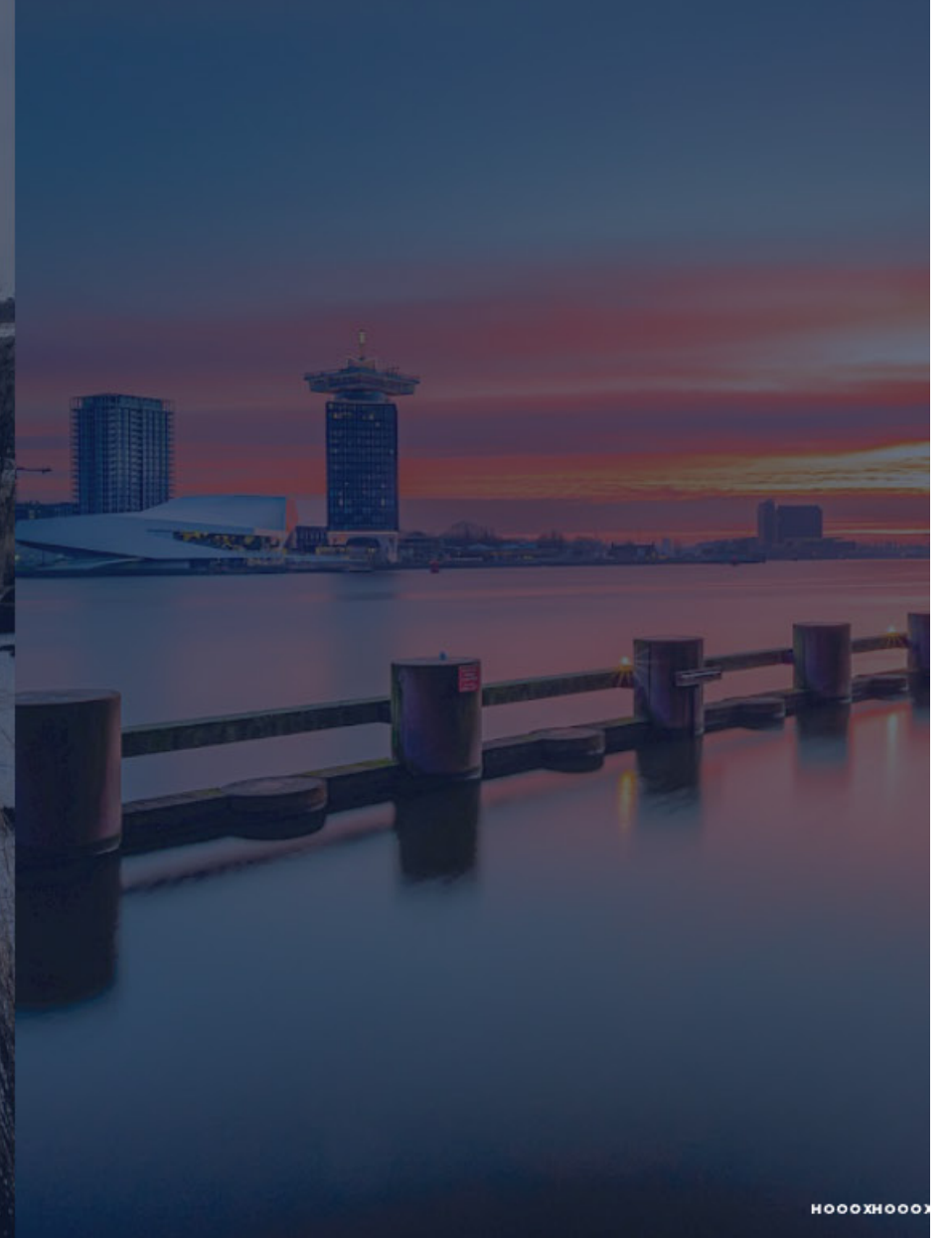
NY

The meadowlands

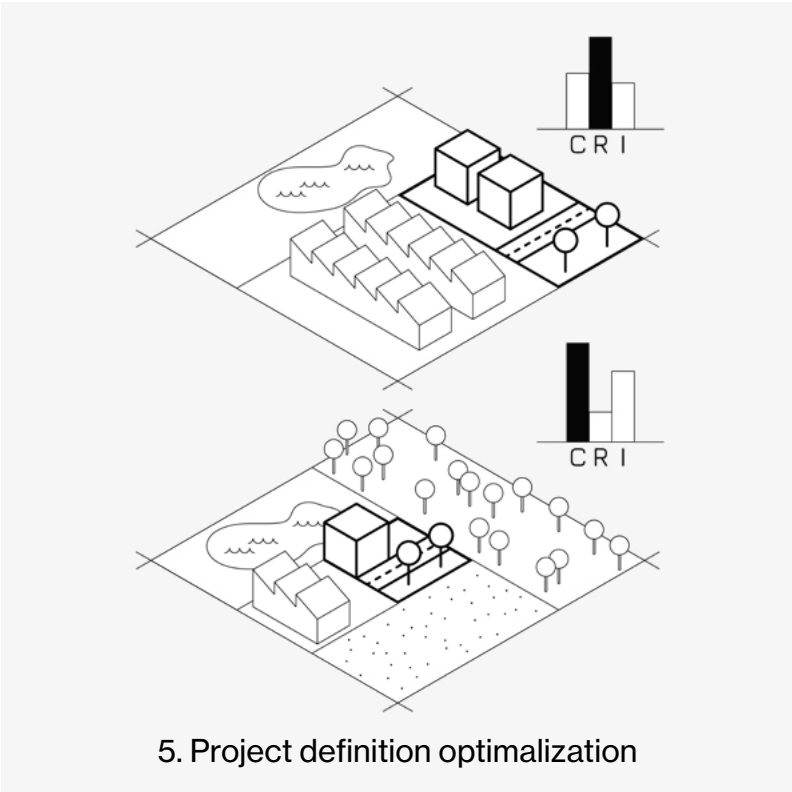
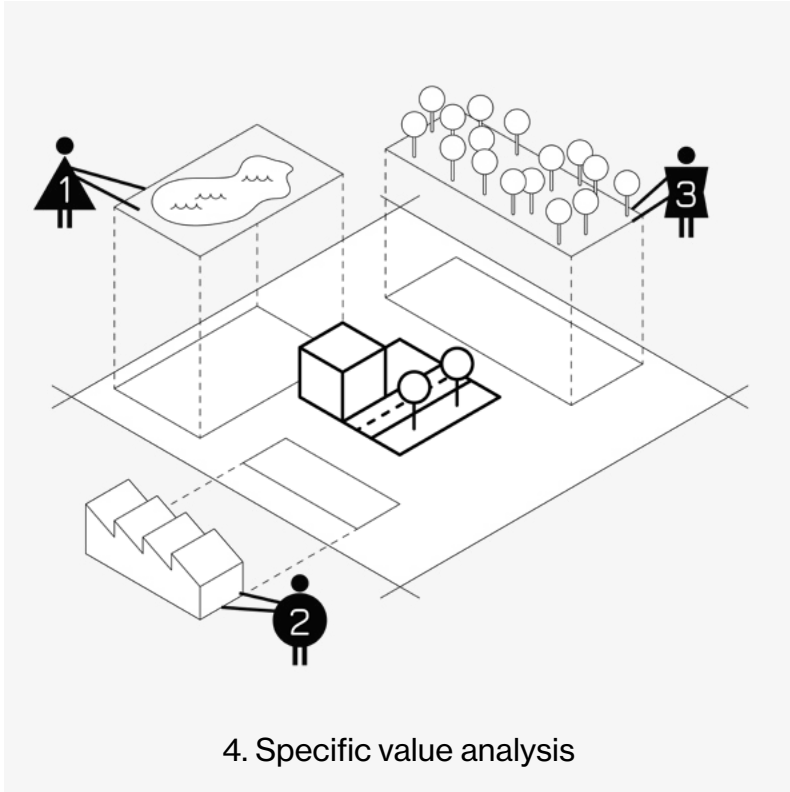
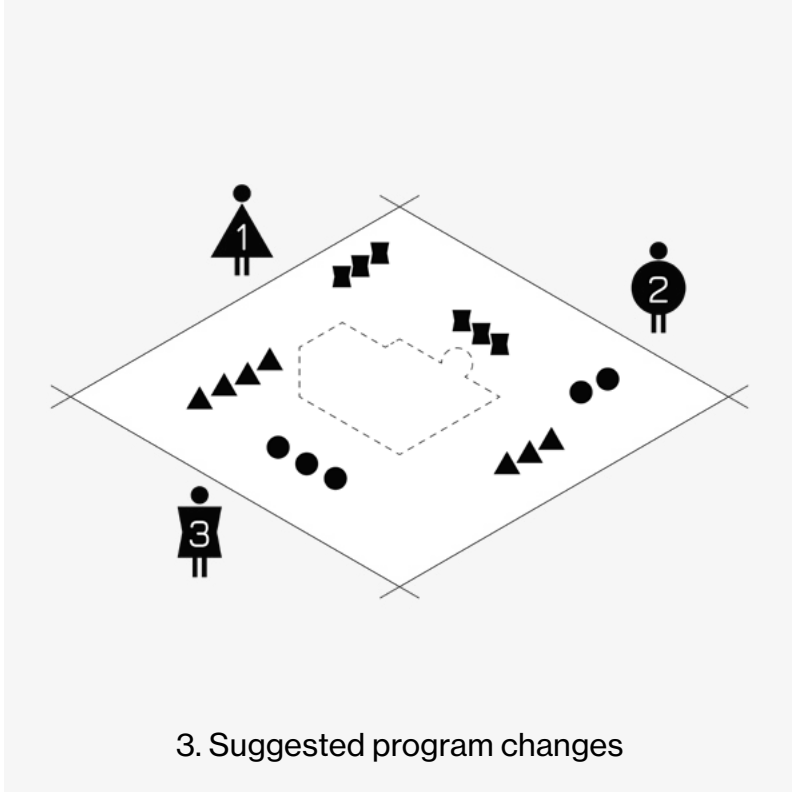
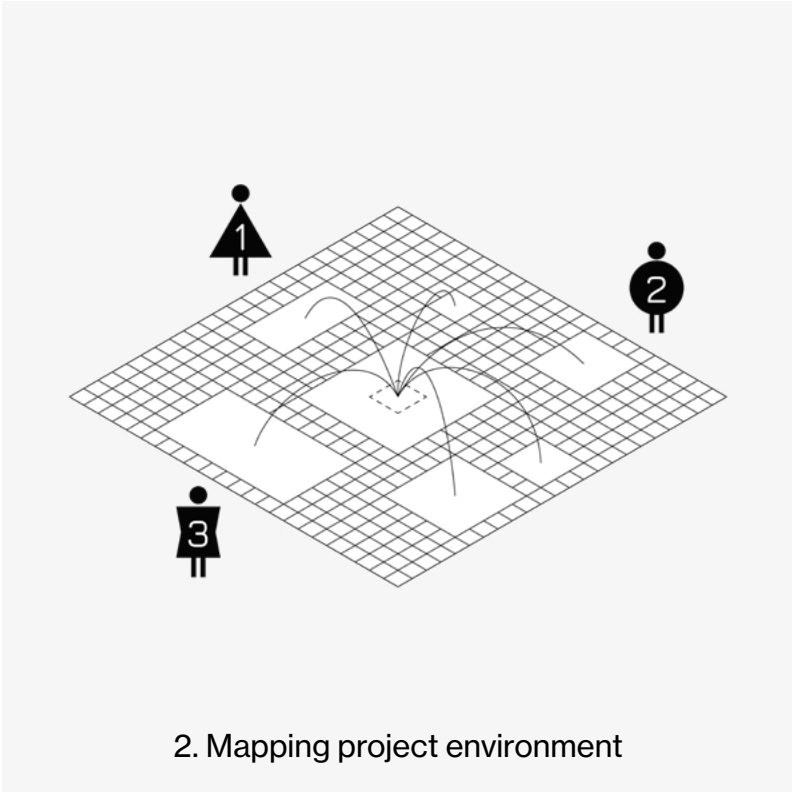
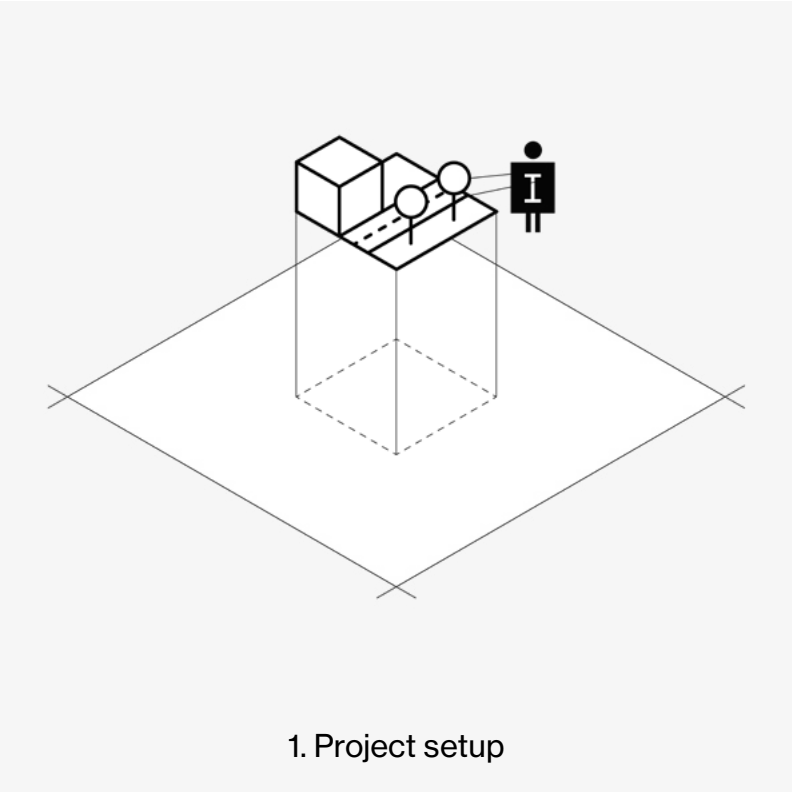


Amsterdam

U

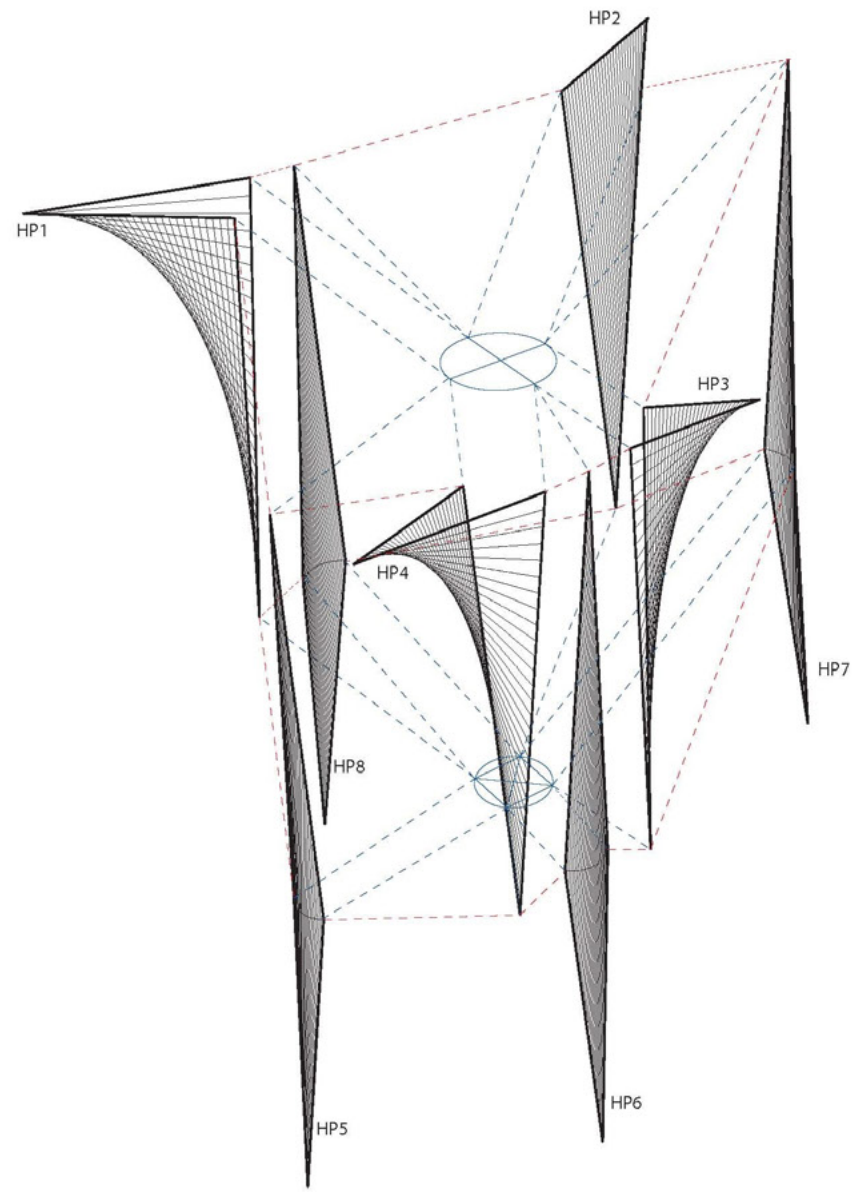


The Solv process

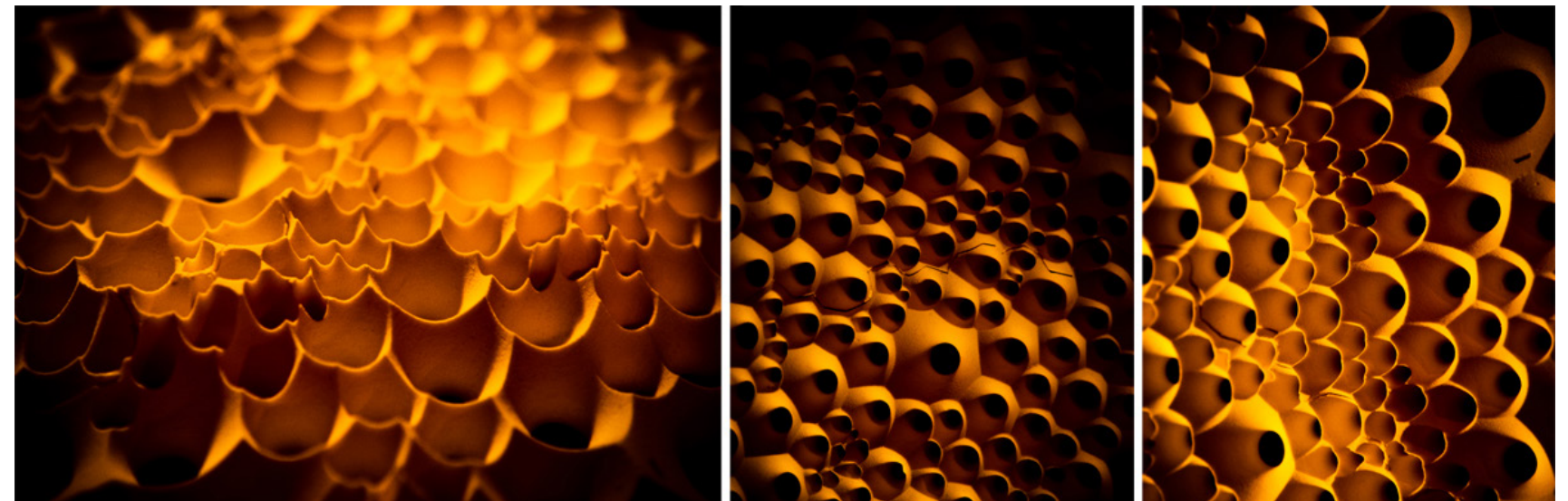
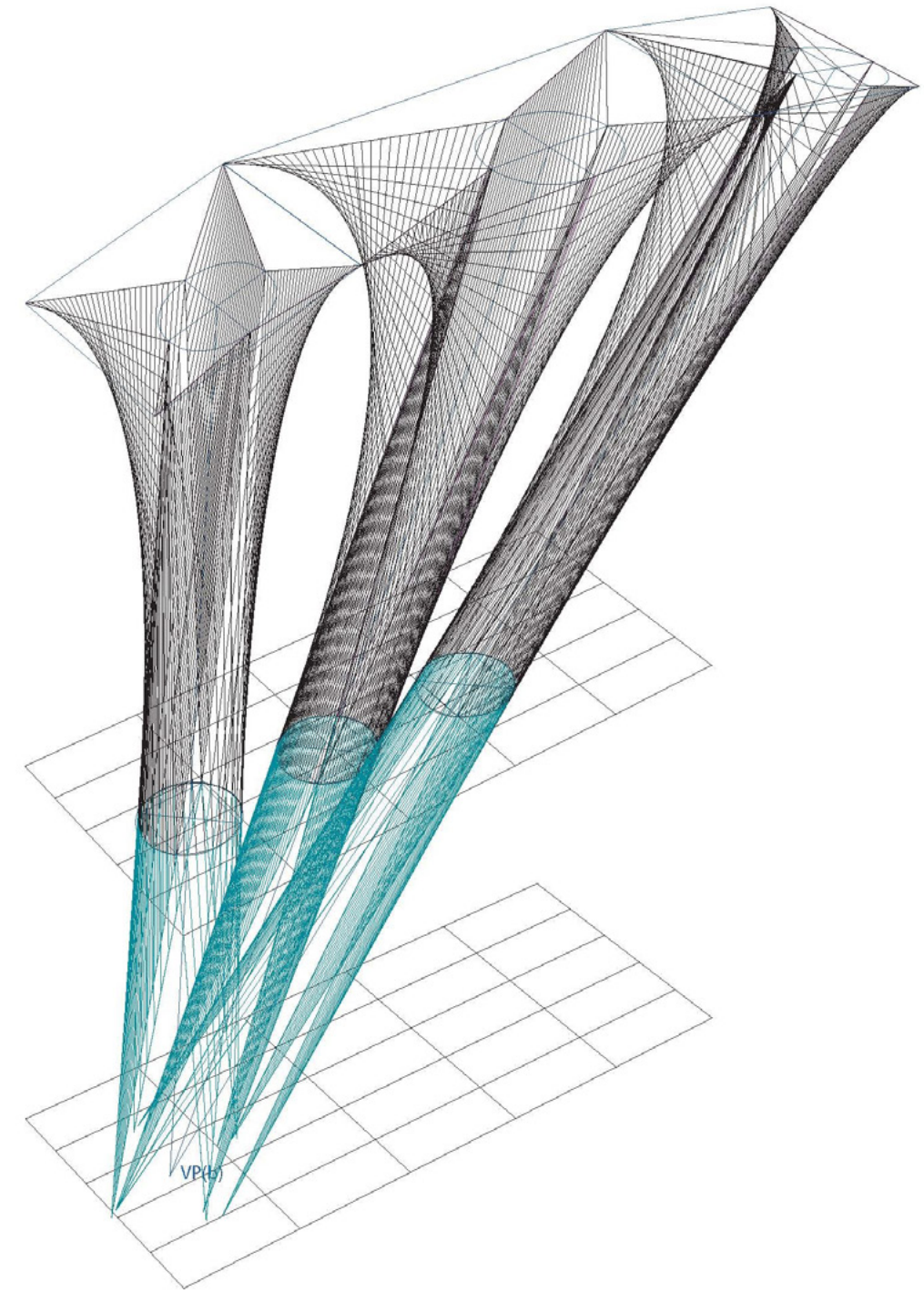
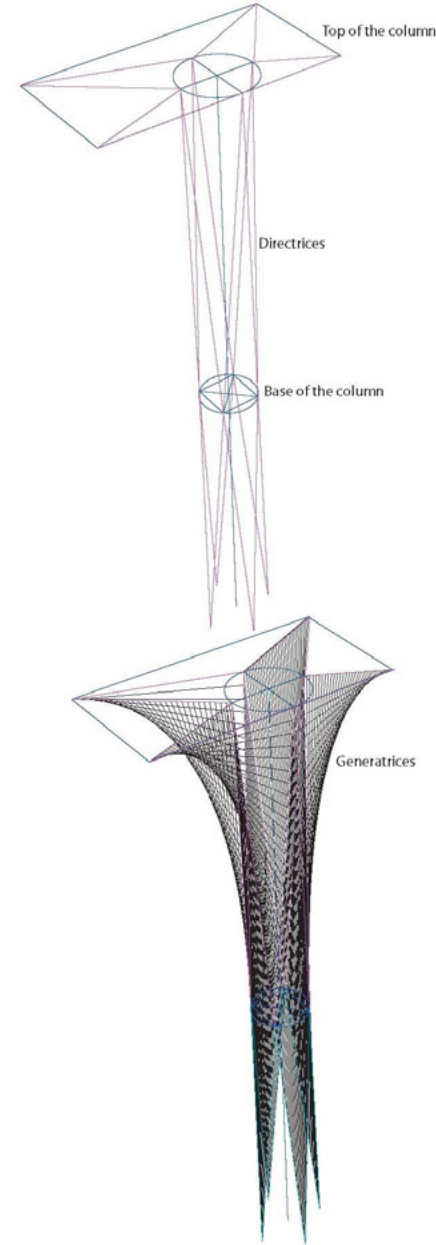
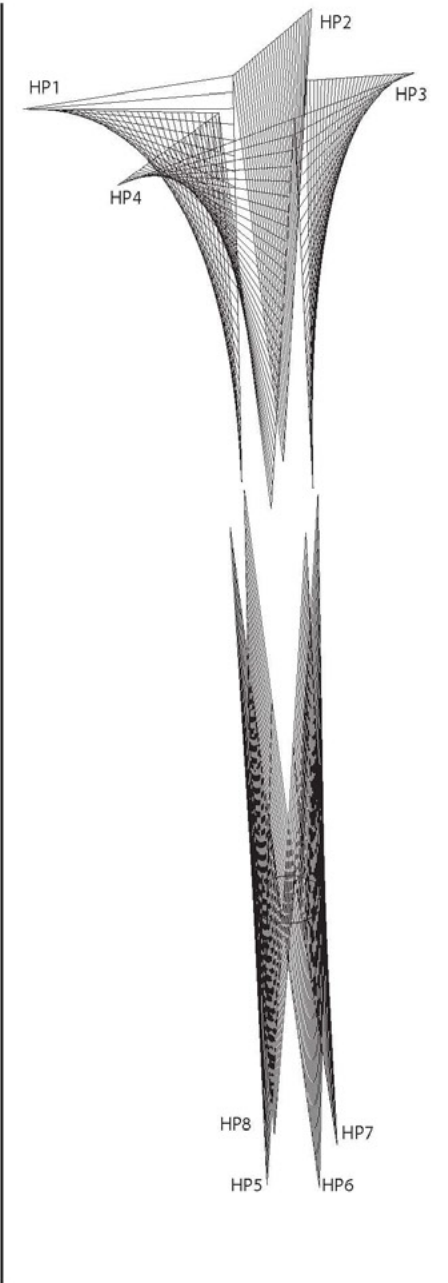


Big Data

AA_inter8_2004-2005
Term 1_Project2_Case Study
Sagrada Familia_Gaudi
The triforium columns_Assembly of HP_Forming a Column



Exploded Axonometry of the central column
_Assembly of different Hyperbolic paraboloids
_Interdependency of geometrical forms





Advanced spatial analytics

	MARSH	RIVER	ISLAND	CREEK	COAST

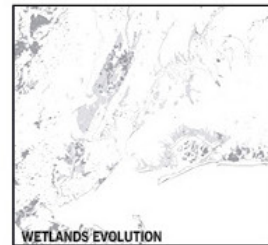
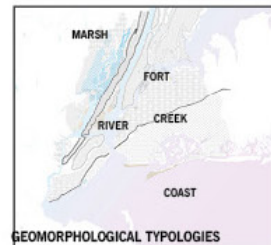
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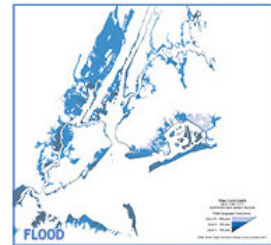
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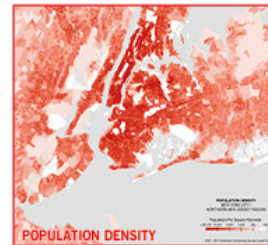
+



85%
OF THE REGIONAL
HISTORIC WETLANDS
HAS BEEN DEVELOPED
OR LOST



2.5
MILLION INHABITANTS
IN THE NEW YORK
& NEW JERSEY
METROPOLITAN AREA
LIVE IN THE FLOOD
ZONE



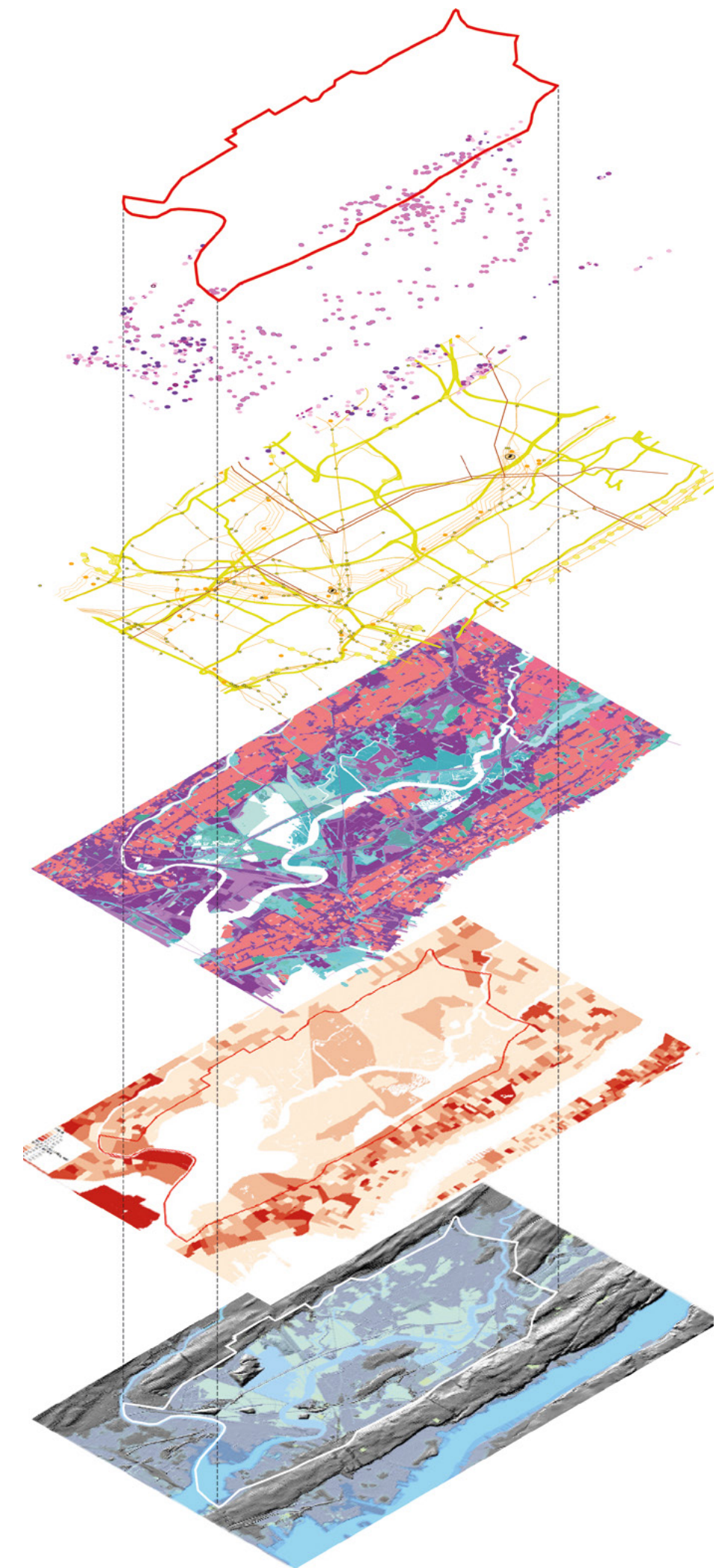
66%
OF THE MOST
VULNERABLE
COMMUNITIES LIVE
WITHIN A 1/2 MILE OF
THE FLOOD ZONE



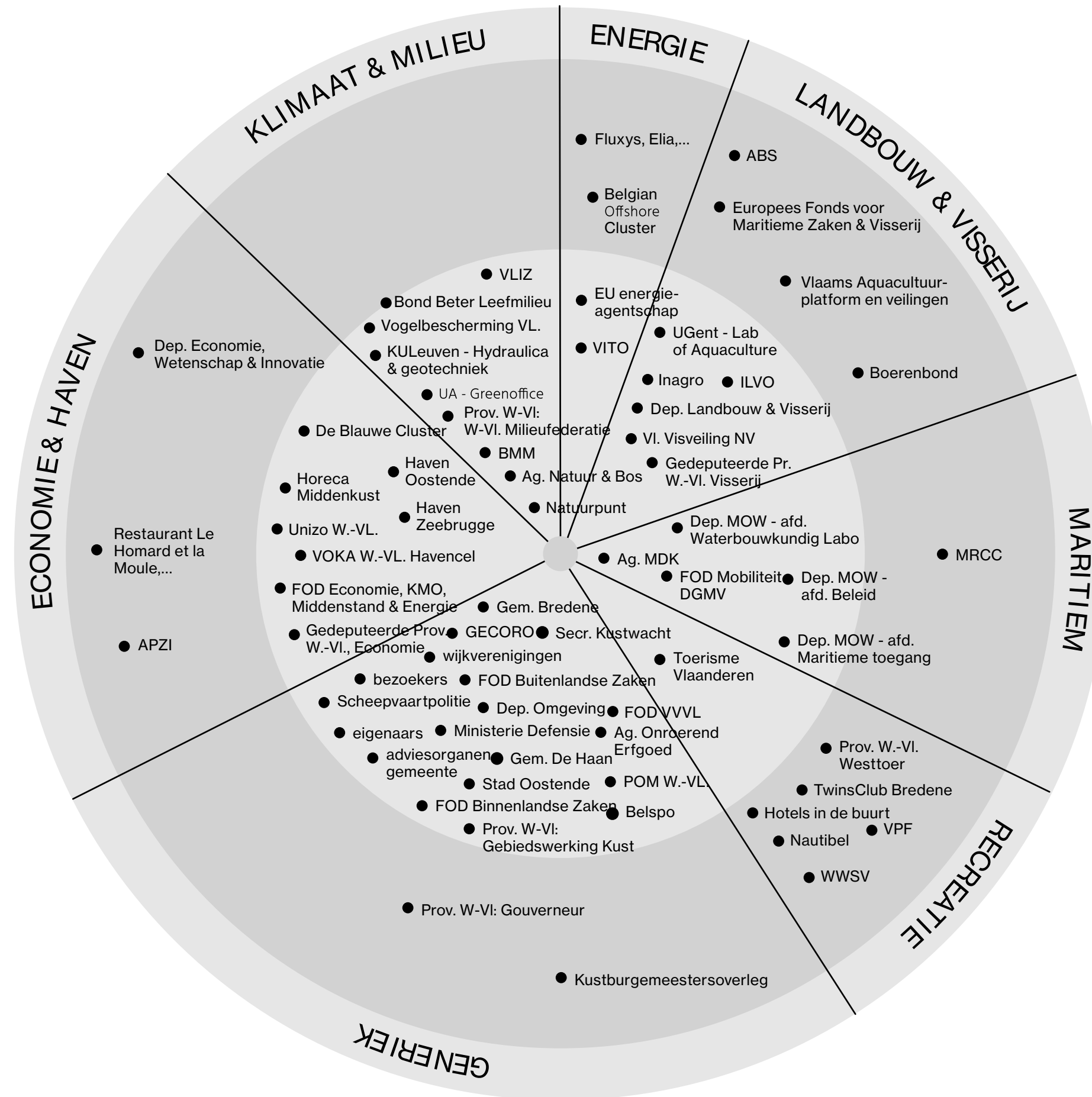
80%
OF THE REGIONAL FUEL
STORAGE IS IN THE
FLOOD ZONE



75%
OF THE NET ANNUAL
POWER GENERATION IS
IN THE 100 YEAR FLOOD
ZONE



Shared knowledge umbrella



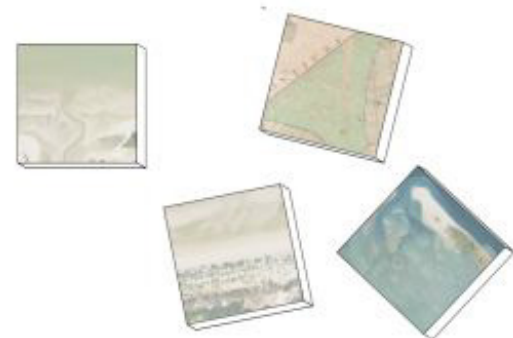
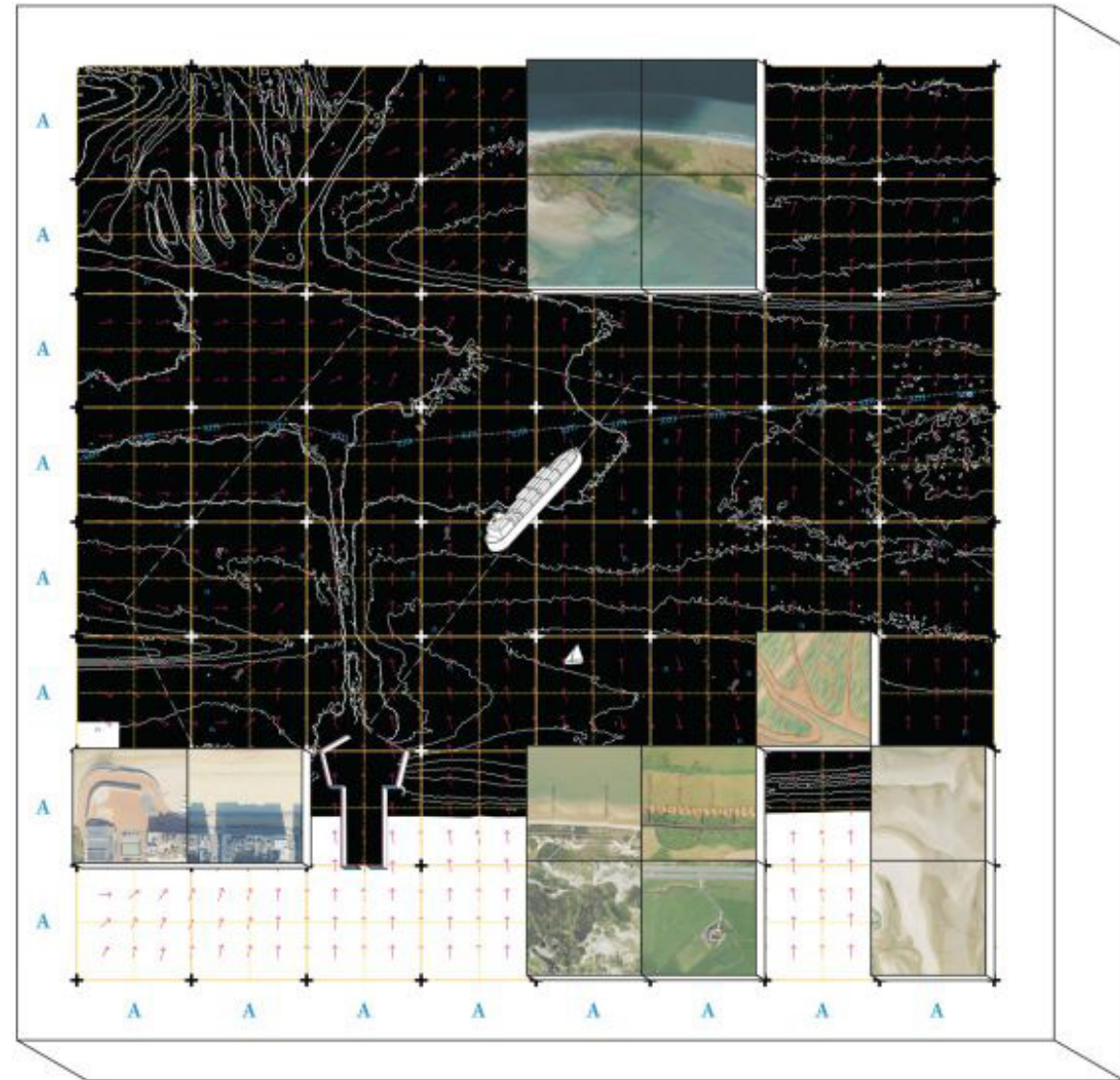
Communication



Design and planning



Investment catalog



Antwerp Capping of the Ring Investment Catalog

Evaluations	Livability Index	mobility	ecology and climate adaptation	air quality	noise pollution	lack of green space	EGS Impact	Public Support	Spatial Quality	Estimated Cost Per Project	Recommended Budget Per Project	Recommendation for Basic investment 1.25 billion	To be financed from property proceeds	
													€	€
TOTAAL										2.772.125.000	€ 1.800.125.000	€ 1.249.000.000	€ 35.000.000	€ 85.000.000
NOORD												€ 437.000.000		
Omgeving Oosterweelknoop - Noordkasteel	+	-	-	+	-	-	+	+	+/-	€ 14.000.000	€ 14.000.000	€ 14.000.000		
Bermenlandschap RI-Noord	+	+	-	+	+	+	+	+	++	€ 35.000.000	€ 35.000.000	€ 35.000.000		
Verlaagde heraanleg RI zone Groenendaallaan	+	+	+	+	+	+	+/-	+	+	€ 70.000.000	€ 70.000.000	€ 70.000.000		
Verlaagde heraanleg RI noordwaarts	-	-	-	+	-	-	-	+/-	-	€ 35.000.000	€ 35.000.000			
Groene brug over het Albertkanaal	+	+	-	-	-	-	-	+	+/-	€ 5.000.000	€ 20.000.000	€ 20.000.000		
Stationsomgeving Luchtbal	+	+	+	+	+	+	+	+	++	€ 298.000.000	€ 298.000.000	€ 298.000.000		
Stationsplein + Doorbraak Luchtbal	+	+	+	+	+	+	+	+/-	++	€ 22.000.000	€ 22.000.000			€ 22.000.000
Groen hart Luchtbal-Lambrechtschoeken	+	+	+	+	+	+	+/-	-	+/-	€ 162.000.000	€ 162.000.000			
NOORDOOST												€ 292.000.000		
Steenborgerweert-Merksem-Dam	+	+	+	+	+	+	+	+	++	€ 15.000.000	€ 15.000.000	€ 15.000.000		
Kap Sportpaleis	+	+	+	+	-	-	+	+	++	€ 147.000.000	€ 147.000.000	€ 147.000.000		
Bermenlandschap Albertkanaal	+	+	+	+	-	-	+	+	+	€ 6.000.000	€ 6.000.000	€ 6.000.000		
Kalverwei - open sleuf met schermen	+	+	+	+	+	+	+/-	+	+	€ 159.000.000	€ 124.000.000	€ 124.000.000		
Kalverwei - extra voor ribbenkap	-	-	+	+	+	+	+/-	-	+/-	€ 32.000.000	€ 32.000.000			
OOST												€ 185.000.000		
Station Schijnpoort	+	-	-	-	-	-	+	+	+/-	€ 28.000.000	€ 28.000.000	€ 28.000.000		€ 28.000.000
Waterpark - zonder verbindingsweg	-	+	+	+	+	+	+	+	---	€ 221.000.000	€ 15.000.000	€ 15.000.000		
Waterpark - extra voor overkapping verbindingsweg	-	+	-	+	+	+	+	+	+	€ 48.000.000	€ 48.000.000	€ 48.000.000		
Nieuw Oost - Ontwikkeling Spoor Oost + Spoorpark	-	+	-	+	+	+	+/-	+	+/-	€ 35.000.000	€ 35.000.000			€ 35.000.000
Bermenlandschap Schijnvallei + Kap Ter Lo-Deurne	+	+	-	+	+	+	+/-	+	+	€ 122.000.000	€ 122.000.000	€ 122.000.000		
De Knoop: Turnhoutsepoort	+	+	-	-	-	-	+/-	+	+/-	€ 11.000.000				
ZUIDOOST												€ 55.500.000		
Nieuw-Zurenborg & Luysbekelaer	-	+	-	+	-	-	+/-	+	+/-	€ 98.000.000	€ 250.000	€ 250.000		
Grote Markt Berchem	+	+	+	+	+	+	-	+	---	€ 250.000.000	€ 250.000	€ 250.000		
Ecobrug Brialmont	-	+	-	-	+/-	-	-	-	+/-	€ 44.000.000	€ 32.000.000	€ 32.000.000		
Groene Grote Steenweg	+	+	-	+	+	+	+/-	-	-	€ 29.000.000	€ 29.000.000	€ 29.000.000		
Bermenproject Longitudinaal Ringpark	+	+	-	+	+	+	+	+	++	€ 23.000.000	€ 23.000.000	€ 23.000.000		
De Nieuwe Singel	+	+	-	-	-	-	+/-	+	+/-	€ 2.000.000	€ 2.000.000			
ZUID												€ 81.000.000		
Scheldebalcon	-	-	-	-	-	-	+	+	+	€ 28.000.000	€ 22.000.000	€ 22.000.000		
Park knoop Zuid + fietsverbinding	+	+	-	+	-	-	+/-	+	+/-	€ 140.000.000				
Station Zuid	+	-	+	-	-	-	+	+	++	€ 176.000.000	€ 35.000.000			€ 35.000.000
Nieuwe kap Jan de Voslei en verlagings onderliggende A12	-	+	+	+	+	+	+/-	+/-	+/-	€ 145.000.000	€ 145.000.000			€ 35.000.000
Heraanleg huidige kap Jan de Voslei	+	-	-	-	-	-	-	-	-	€ 625.000	€ 625.000			
Bermenlandschap van knoop Zuid tot Lemanstraat	+	+	+	+	+	+	+	+	++	€ 53.000.000	€ 55.000.000	€ 55.000.000		
Herinrichting bruggen J. Van Rijswijk en Legrellelaan	+	+	-	+	-	-	+/-	+	+/-	€ 3.000.000	€ 3.000.000	€ 3.000.000		
Fietsverbinding Parken: Legrellelaan naar Nachtegalepark	+	-	-	-	-	-	+	+	+/-	€ 3.500.000	€ 3.500.000	€ 3.500.000		
Fietsverbinding Generaal Lemanstraat	+	-	-	-	-	-	+	+	-	€ 6.000.000	€ 6.000.000	€ 6.000.000		
Proefproject Tunnelmonden	-	-	+	-	-	-	+	-	-	€ 30.500.000	€ 500.000	€ 500.000		
WEST												€ 196.500.000		
Regionaal Park fase 1: Fietsverbinding Laar- & Palingbeek	+	+	-	-	-	-	+/-	-	-	€ 8.000.000	€ 8.000.000			
Regionaal Park fase 1: Ecopassage + Water er rond	-	+	+	-	+	-	+/-	+	-	€ 65.000.000	€ 25.000.000	€ 25.000.000		
Regionaal Park fase 2: Blancfloerlaan	-	+	-	-	-	-	+/-	+	+	€ 8.500.000	€ 8.500.000			
Regionaal Park fase 2: Aanleg Middenvijver + Waterwerken	+	+	-	-	-	-	+/-	+	+/-	€ 15.000.000	€ 12.000.000	€ 12.000.000		
Celuidsproject Zwijndrecht - Burcht	-	+	-	+	-	-	+/-	+	+	€ 48.000.000	€ 48.000.000	€ 48.000.000		
Celuidsproject Linkeroever	-	+	-	+	+	+	+	+	+	€ 36.000.000	€ 36.000.000	€ 36.000.000		
Fietsnetwerk/Vlonders + fietsbrug E17	+	+	-	-	-	-	+/-	+	+	€ 46.000.000	€ 26.500.000	€ 26.500.000		
Scheldebrug	+	-	-	-	-	-	+	+	+/-	€ 49.000.000	€ 49.000.000	€ 49.000.000		
OVERKOEPELEND												€ 2.000.000		
Studie verkeerskundig systeem ZO en tunnelveiligheid toekomstige overkappingen	+	-	-	-	-	-	+	+	+/-		€ 2.000.000	€ 2.000.000		

ORG systems



So...

Who is your coalition?

What is your mission?

How can you serve?

Your mission is our mission



Thank You



ORG Permanent Modernity

@orgpermod
info@orgpermod.com
www.orgpermod.com

Brussels

Koolmijnenkaai 30-34
1080 Brussels, Belgium
T +32 2 460 44 08

New York

540 President Street
Brooklyn, NY 11215, US
T +1 646 470 7484