

Monumental Infrastructures for an Open Society

Urbanism in the Age of Populism

Transformative Impact in times of Populism

Distrust in elites is a function of their incapability to impact the world of the many in a beneficial way.

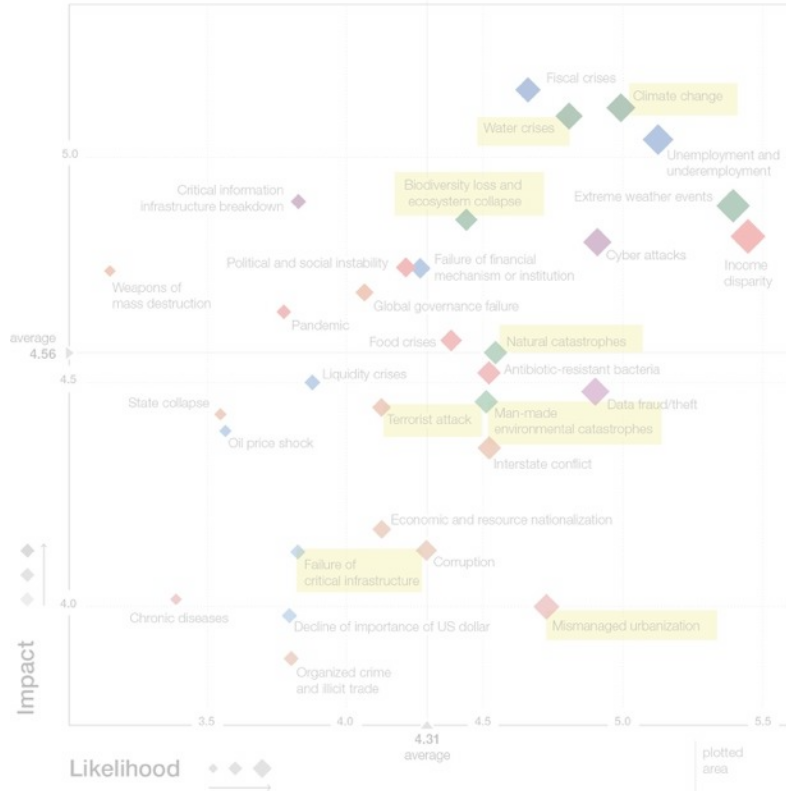
How to demonstrate **transformative impact?**

That means: which endeavors can provide visible, measurable progress for many?

This requires:

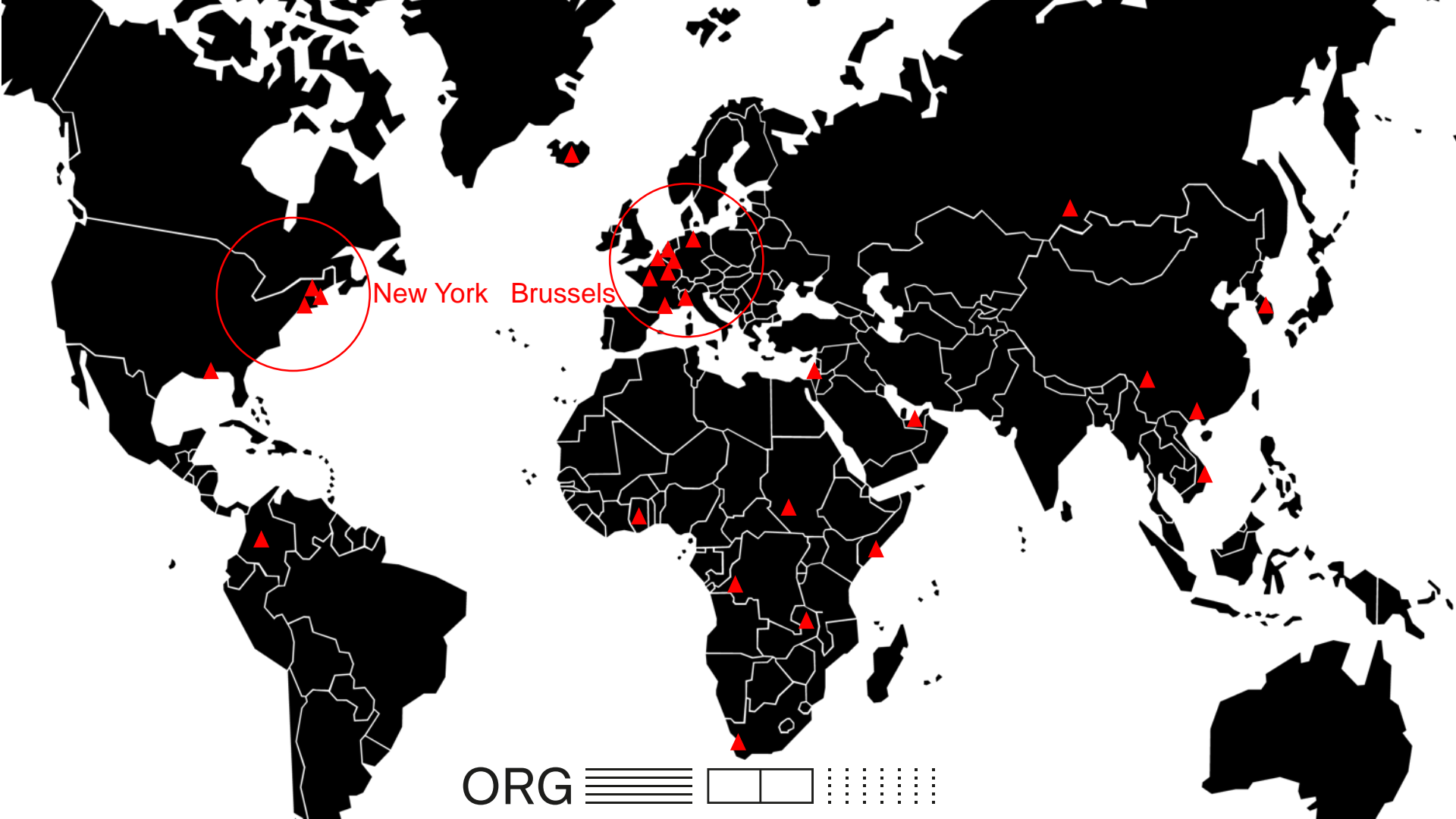
- (a) Build a *joint purpose*, then *realize* it engaging large communities
- (b) Manipulate the hard dynamics of growth directly: *Infrastructure* and *Industry*

Urban projects are able to address systemic threats to our world



Integrate that which is necessary to remove the obstacles to realizing these projects,
into these urban projects.





ORG

a design company in urbanism, architecture, and elements.

29 contributors - 5 academics - 4 Ph.D.'s - 8 nationalities

MAKE things

www.orgpermod.com





Connect
Architecture, Planning + Engineering Knowledge
to solve big problems



Support Transformative Faculty Work
Prof. Sarah Williams, Nairobi Transportation

Climate Adaptation Urbanism

Health + Urbanism

Technology + Mobility + Urbanism



Joint Teaching
e.g. with Prof. A. Berger. Systems + Objects studios.
Bilbao Studio, MIT, 2012



Establish Global Presence
Queen Mathilde of Belgium opening CAU show at
Shenzhen Biennale



250+ attendees

Leadership in Academics, Business, Government



INFRASTRUCTURAL
MONUMENT
8-9TH APRIL



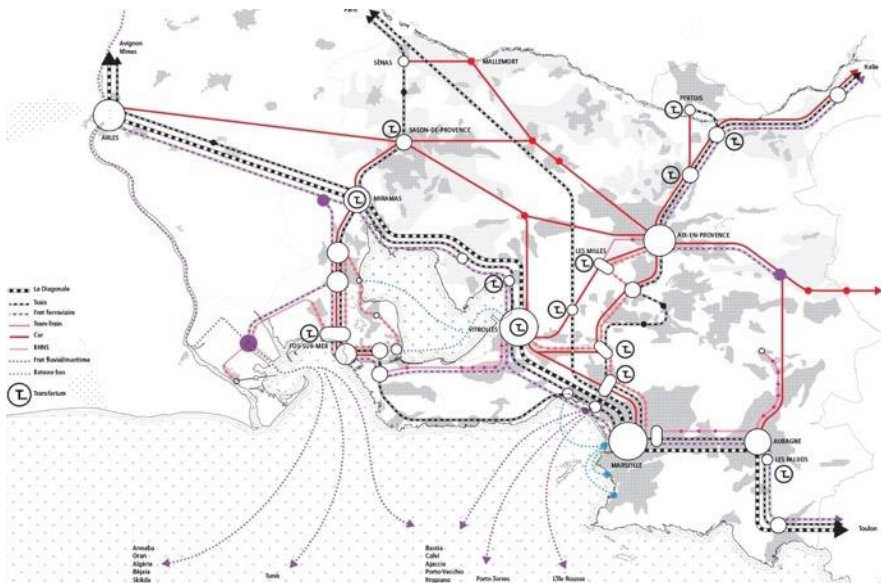
INFRASTRUCTURAL
MONUMENT
8-9TH APRIL

**Research Acquisition + Fundraising
+ USD 15M**

Now LCAU

Infrastructure: Legibility on the large scale

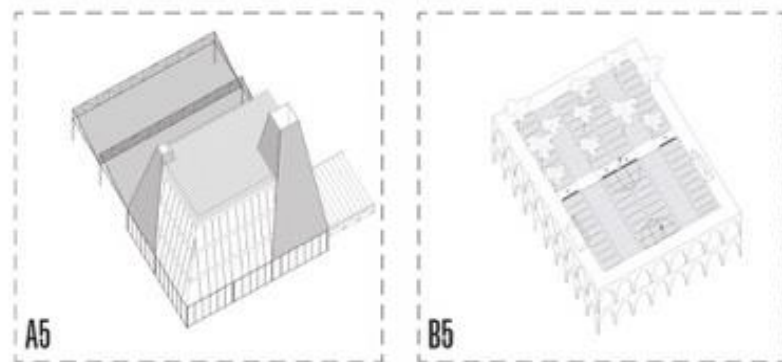
Or 'orientation'. In the exploded city, where and how is 'we'?

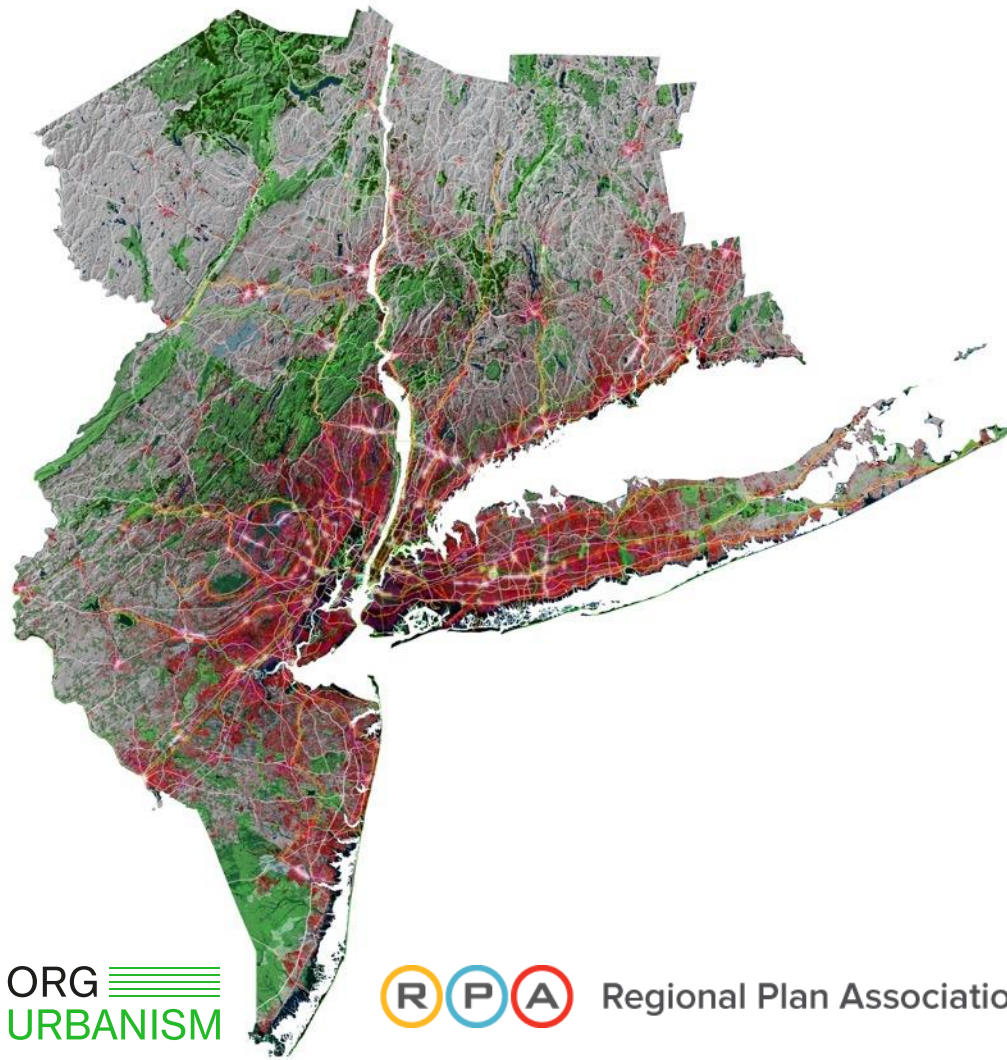


	A	B	C	D	E	F	G	H	
FONCTION	TOITURE signes, air d'attente, ombrage	PARKING multifonctionnel	CIRCULATION interconnexion entre modes	SERVICES bibliothèques, salles de réunion, information	ENERGIE solaire, recharge auto, récupération des eaux	VILLE/NATURE connections aux parcs	EVENEMENTS accueil d'événements métropolitain	MARCHE production locale, marché forain	
ECHELLE									
1	(2) MODES 200-500 logements								1
2	(2-3) MODES 500-2000 logements								2
3	(3-4) MODES 2000-5000 logements								3
4	(3-4) MODES 5000-10000 logements								4
5	(4-5) MODES 10000+ logements								5
	A	B	C	D	E	F	G	H	

Marseille-Aix-en-Provence Regional Plan

with LIN Architects. Competition Win.





ORG
URBANISM



Regional Plan Association



ORG Permanent Modernity / RPA Fourth Regional Plan



ORG Permanent Modernity / RPA Fourth Regional Plan



SIDE WALK LABS

1 Dec 2017

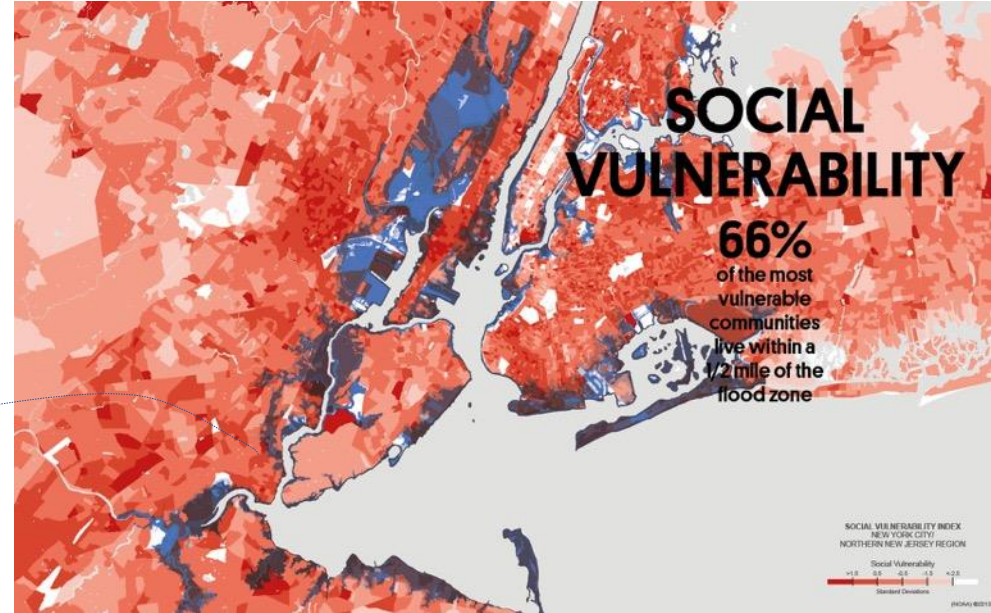
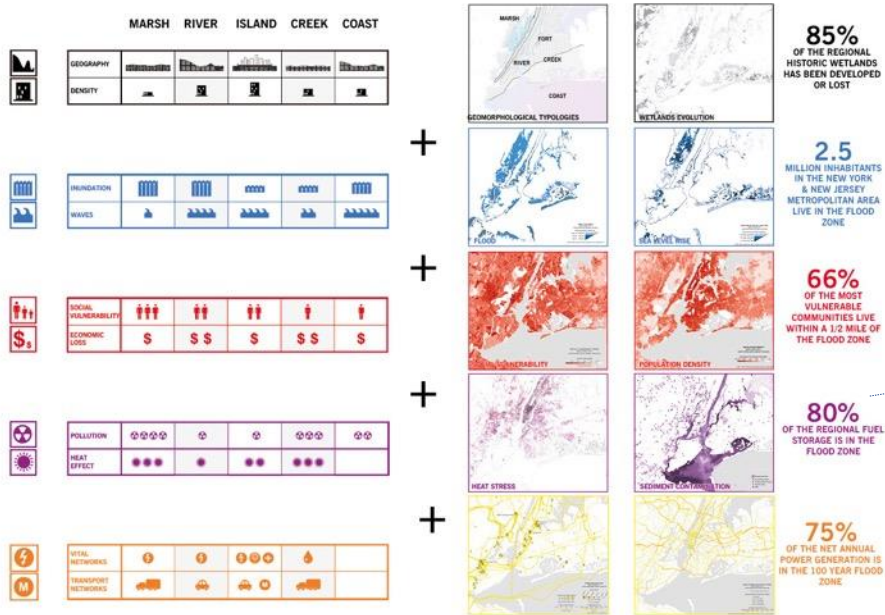




The metropolitan region, outside the city:



Multiple Vulnerabilities: The Hazard Sandwich



New Meadowlands Research + Design

Competition Win, 2014. with MIT CAU, ZUS, Urbanisten



Granularity in Large Objects

How to create large open-ended platforms, yet break down the scale of current XL investments?



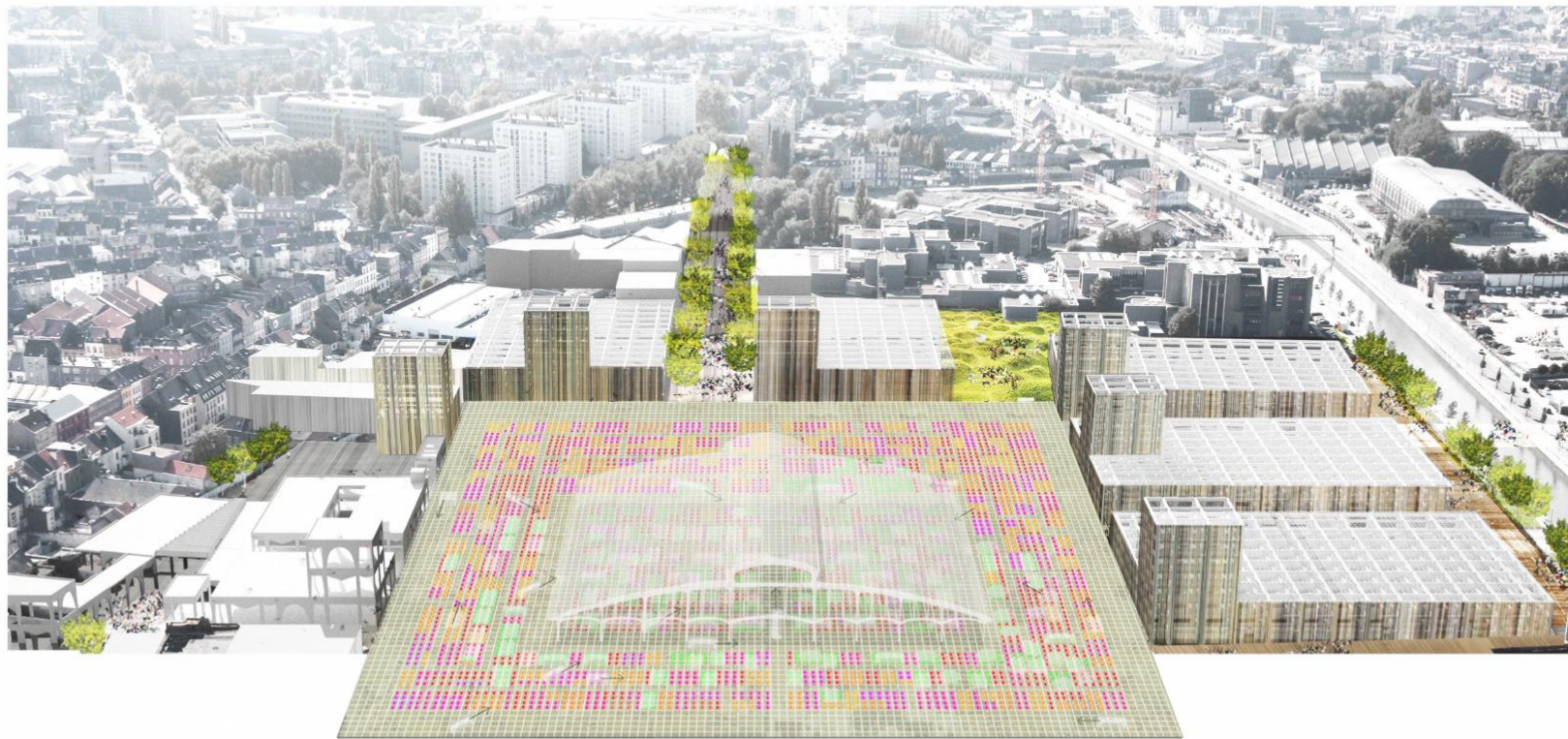




ABATTOIRS ET MARCHÉS D'ANDERLECHT-CUREGHEM.









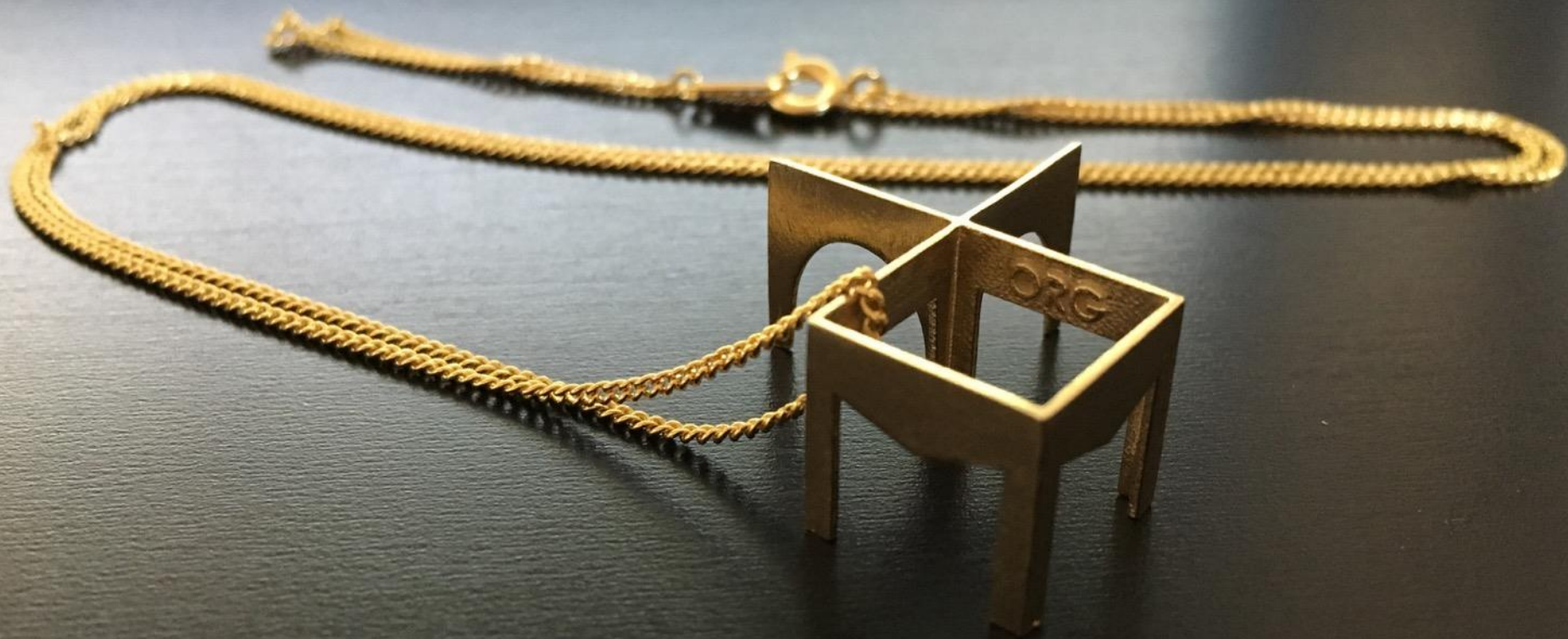




Brussels Food Markets Phase 2: Urban Farm
(construction 90% complete)

Next... Zurich Museum fur Gestaltung, Oct 2018!



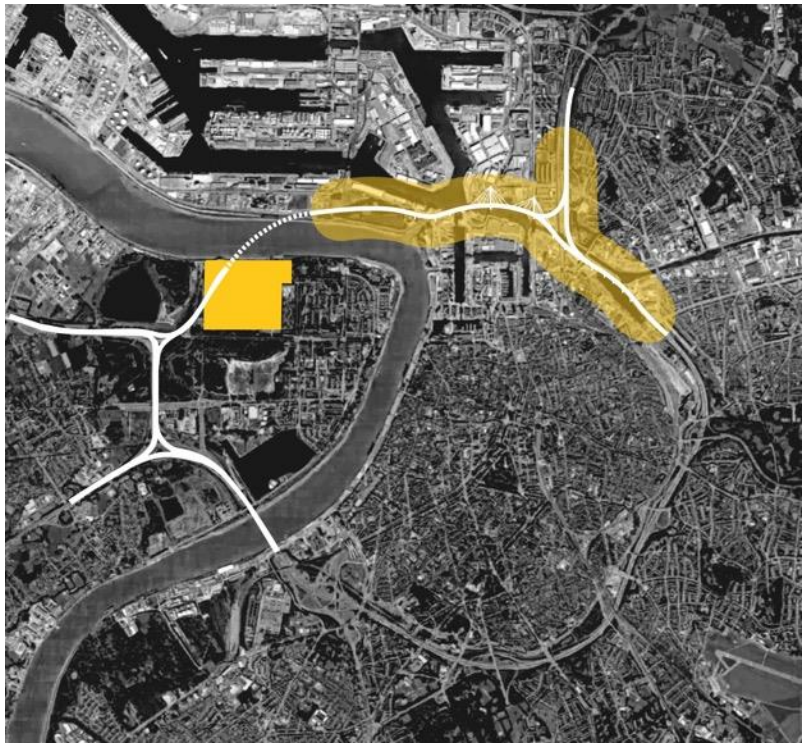


Joint Fact Finding

How to engage diverse stakeholders in a society with distributed power towards a common project?

e.g. Antwerp Curator for the Cap (1.25 Billion EUR). ORG + ARUP + Common Ground + Deltares

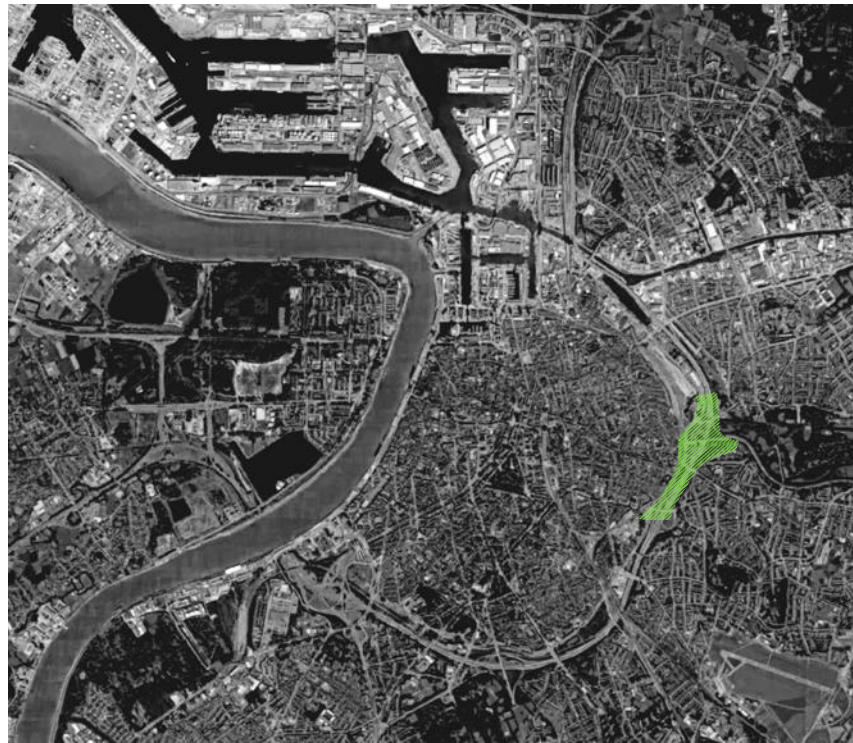
1996



Flanders: Close the Northern Ring

< >

2004



Local Committee: Cap existing Ring



Alternative Trajectories? (2004-2016)



Plebiscite: NO (2007-2010)



'Ringland' Action Committee (2013-)



MOBILITY

Infrastructure design
Traffic Engineering
Tunnel Safety
Traffic planning
Public Transportation Planning



PUBLIC RESEARCH

Engage & Participate
Build Trust
Communicate
Learn Together

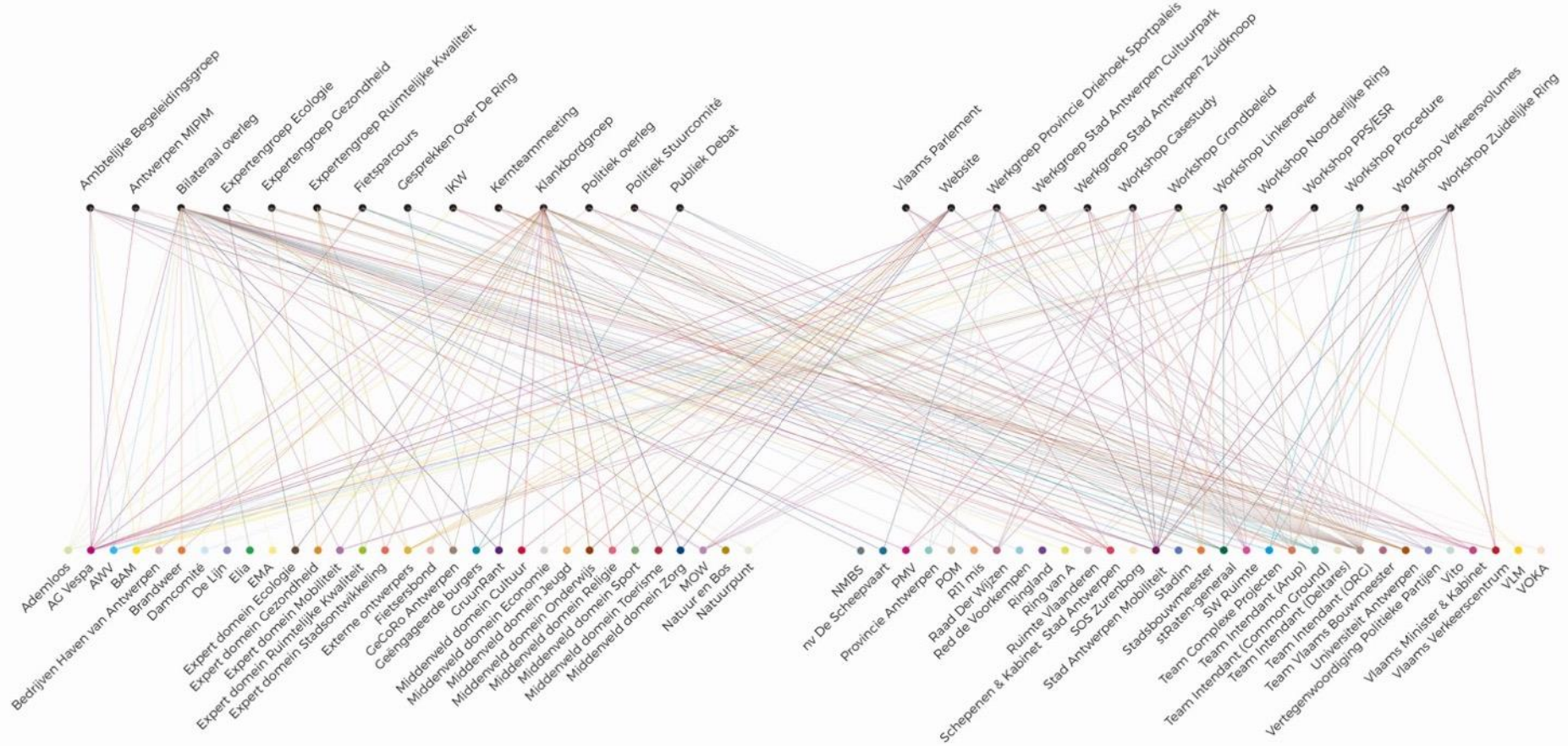


URBANISM + HEALTH

Urban Design
Landscape Design
Architecture

Acoustic Research
Air Quality Research
Pollution Analyses

Draw and Calculate in large groups





www.overdering.be/ambitienota/

Design as Diplomacy

e.g. Antwerp Curator for the Cap (1.25 Billion EUR). ORG + ARUP + Common Ground + Deltares

Space to Breathe

ADEMRUIMTE

Groenruimte

Bomen		
'Kern'		
'Mantel'		
'Zoom'		
Grasland		
Verhard		
Volkstuin		

* Deze indeling werd geteld op basis van bestaande toestand, de visie uit het BKP Groene Zingel, lopende projecten en de visie van het interdisciplinair team voor een verbeterde correctiviteit: ze weerspiegelt dus niet de huidige werkelijkheid en is niet bindend.

Nieuwe groenruimte door overlapping

Zones waar vergroening en stadsontwikkeling/afwerking hand in hand gaan

Andere parken en groenruimtes

Water

Bestaand		
Suggestie voor buffering		
Suggestie oude Brilmont-schansen		
Mogelijke Schijn-Scheldeverbinding		

Groentekorten

Tekortzone buurtgroen

Tekortzone wijkgroen

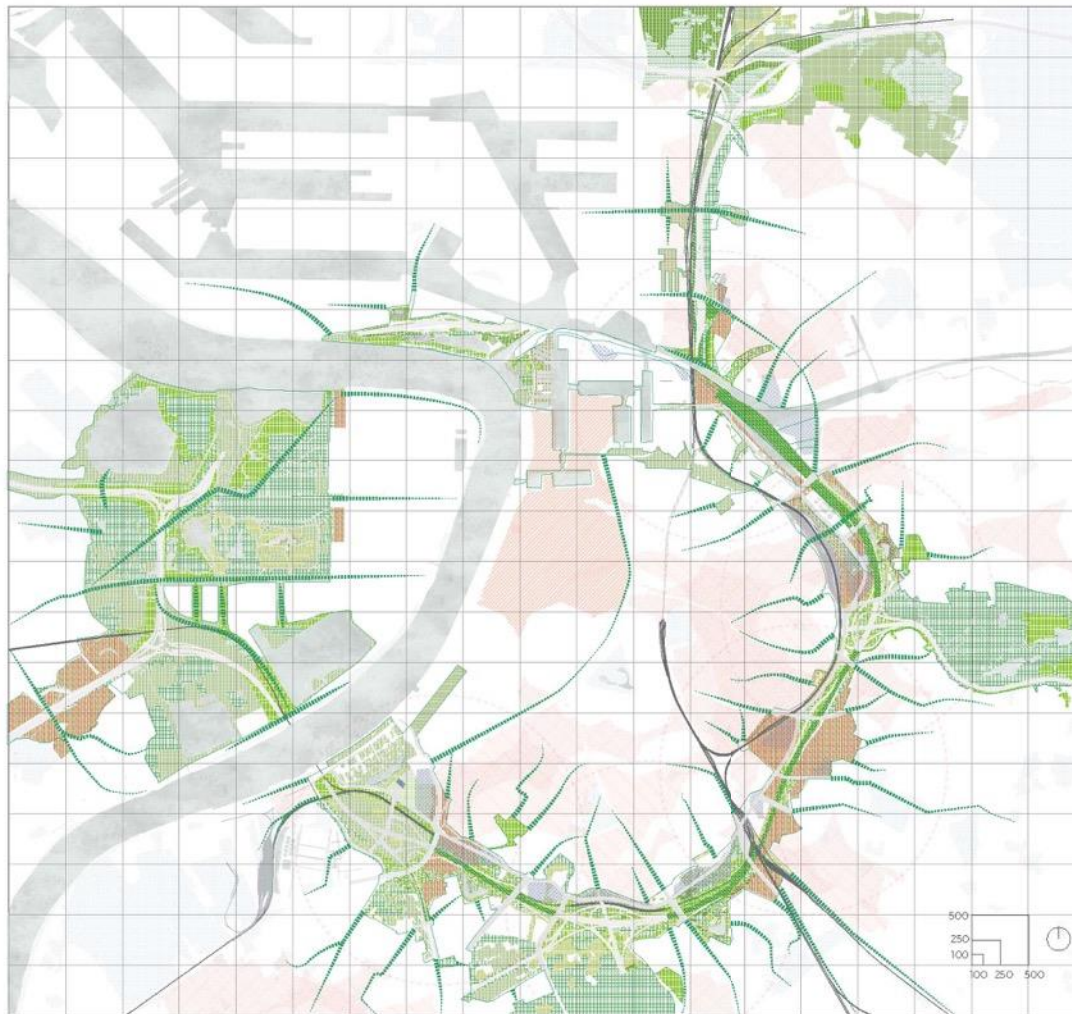
Straal van 800m: de zone die de ringruimte kan bereiken qua wijkgroen mits oplossen van barrières

Concept

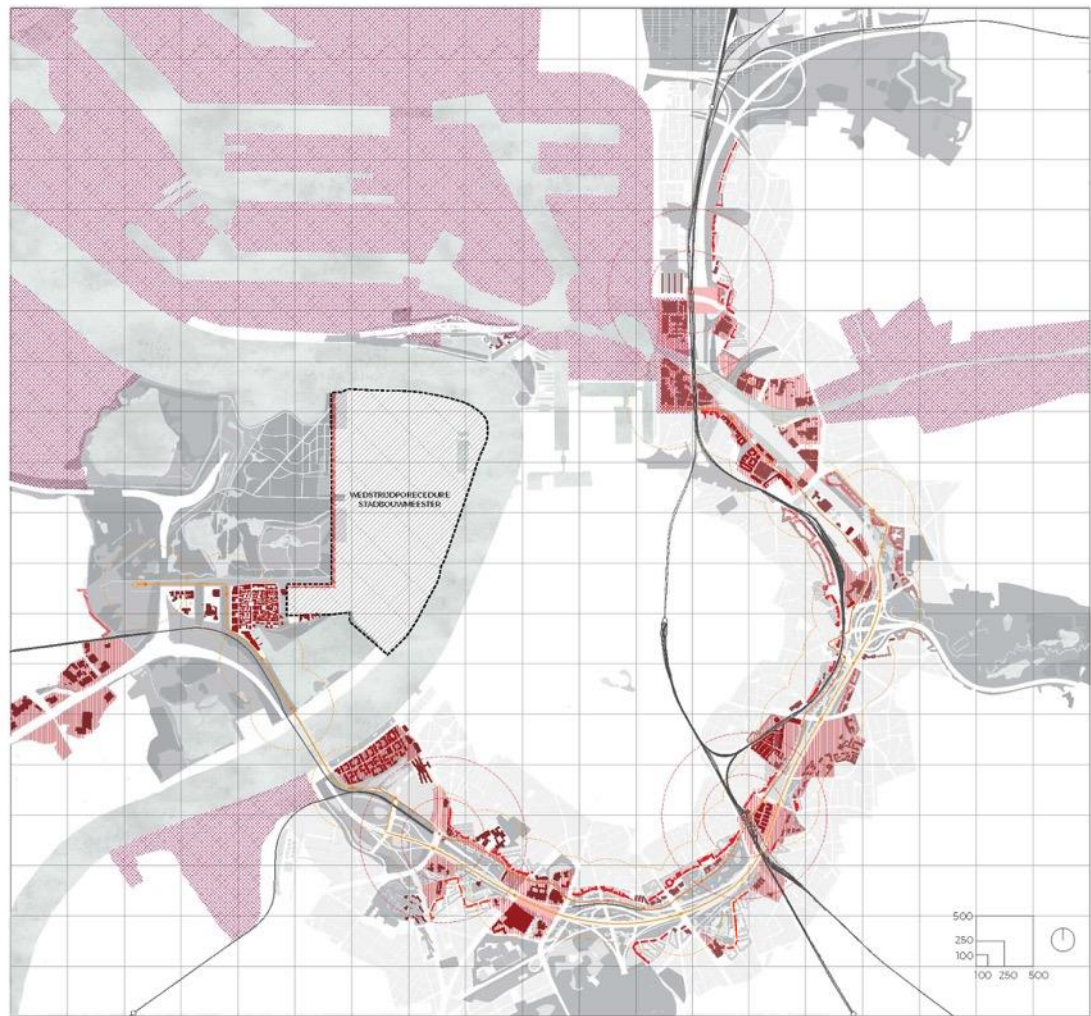
een aaneengesloten groen ringgebied, verbonden met haar uitlopers

nerven tot diep in de stad voor verbeterde bereikbaarheid van de groenruimte

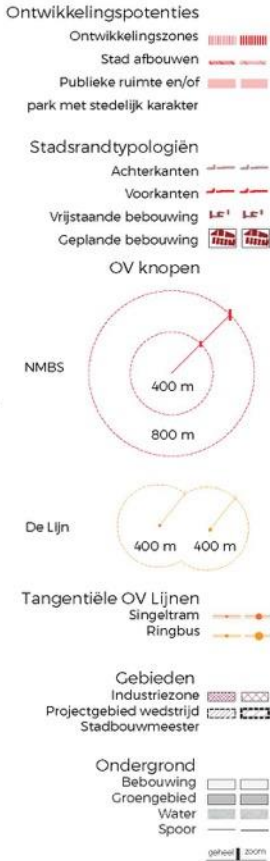
geheel zoom



Make City

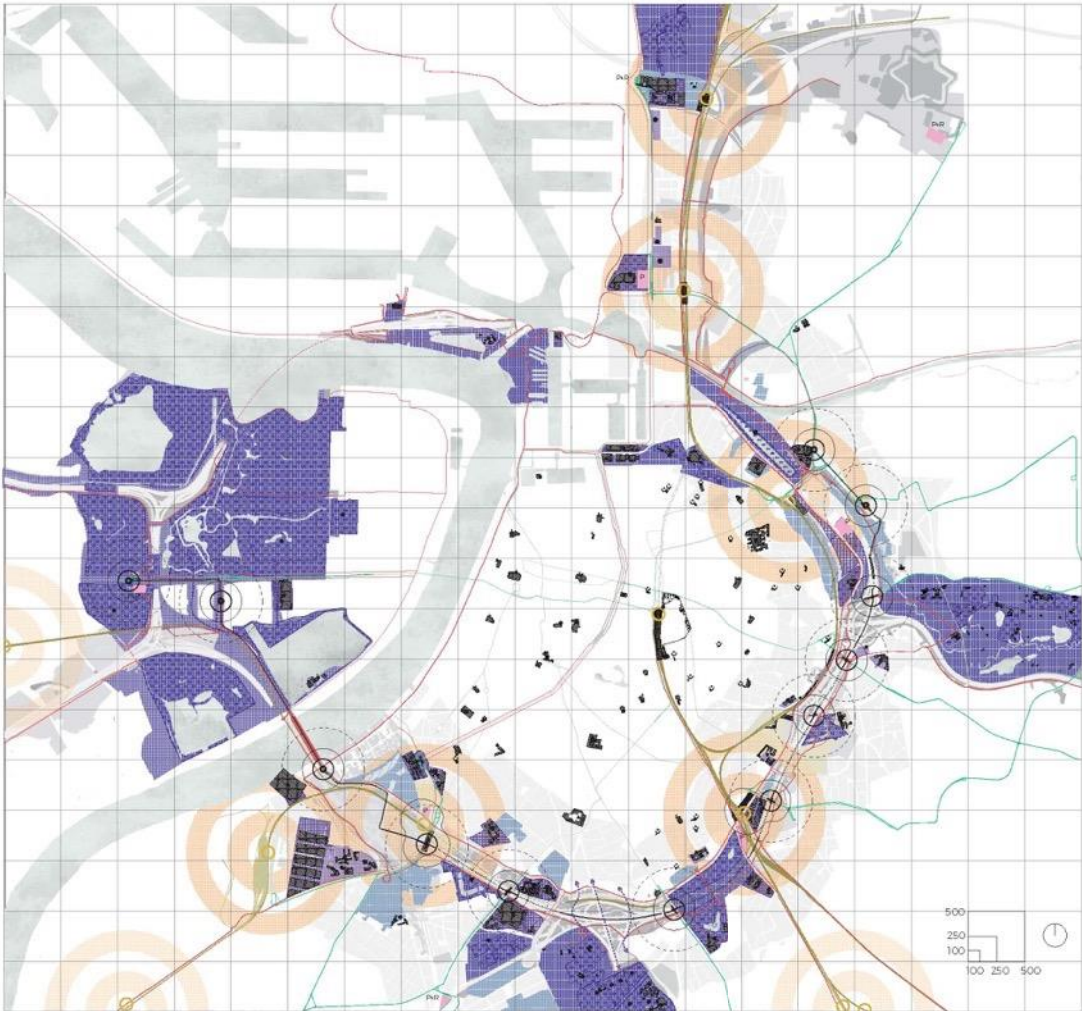


STAD MAKEN





Ringspace for Metropolitan Culture



METROPOLITANE RINGCULTUUR

- Lijnen**

 - Hoofdstructuur fietsnet
 - Nieuwe zachte verbindingen
 - Tramnet binnen de ring
 - Tramnet buiten de ring
 - Premetronet
 - Spoorweg
 - Spoorweg overkapt
 - Ringbus
 - Ringbus overkapt
- Vlakken**

 - Voorziening op stadsregionaal niveau
 - Voorziening op stedelijk niveau
 - Voorziening op lokaal niveau
 - Bovenlokaal groengebied
 - Lokaal groengebied
 - Overstapmogelijkheid auto - OV
- Symbolen**

 - Ringbushalte in het stedelijk ov-net
 - Ringbushalte onder de steenwegen
 - Lightrailhalte *
 - *in het kader van een stedelijk voorstadnet
 - Verdichtingszone rond OV-knoop
- Figuren**

 - Diensten
 - Relgie
 - Zorg
 - Onderwijs
 - Cultuur en recreatie
- Ondergrond**

 - Bebouwing
 - Groengebied
 - Water



2016

ambitienota
over de ring

"waarover zijn we het eens?"

2017

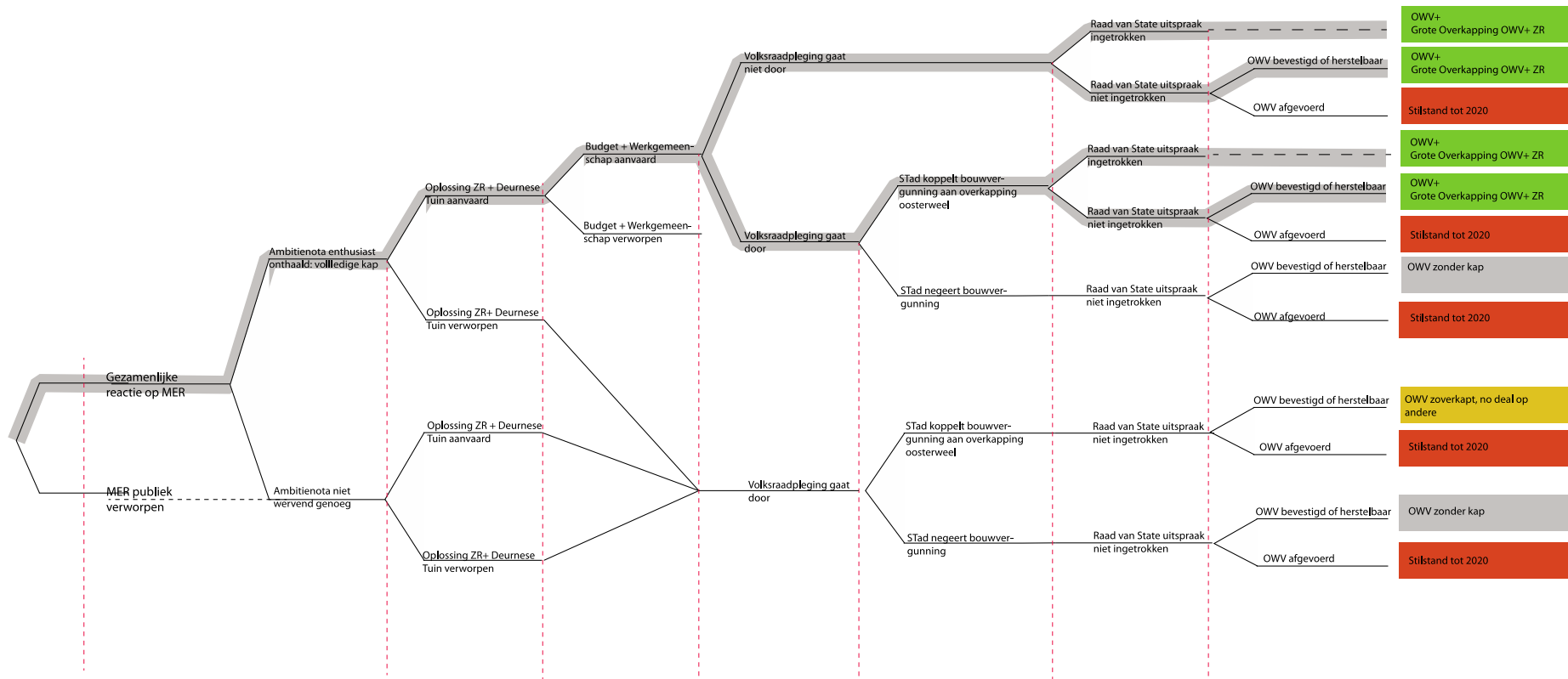
bestek

hogedrukketel:
ontwerp van de
overkapping, incl. 1^{ste}
fase-projecten

draagvlak als criterium

Possible outcomes of sequence of decisions by plurality of players each with a little bit of power

Possible outcomes of sequence of decisions by plurality of players each with a little bit of power





COVENANT FOR THE FUTURE OF ANTWERP

+ Covenant for the Future of Antwerp, signed March 15 2017

Capping the Ring highway through Antwerp

Completing the Ring at Oosterweel

Completing a Northern bypass around the region for through-traffic

Realizing a Modal Shift 50/50

+ New working method 'arbeitsgemeenschap':

citizens, experts, and administrators

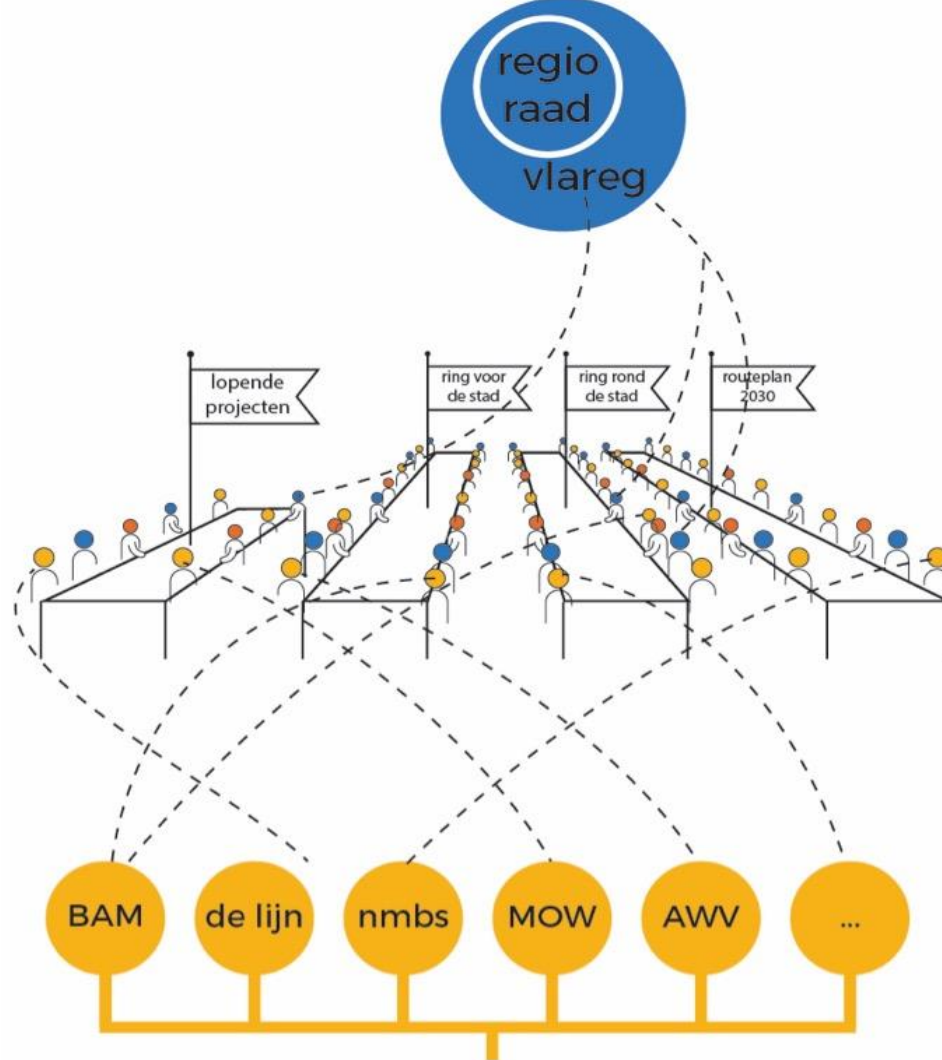
Ring voor Stadsregionaal verkeer, Doorgaande stromen rond de stad

Tjismanstunnel
Liefkenshoekertunnel

R2
E1
E34
E17
R1
A102
E313
A12
E19
E16

Doorgaand verkeer
Stadsregionaal verkeer.





6 design consortia provide synthesis at neighborhood scale

**WEST: OMGEVING /
URBANISTEN / COBE**

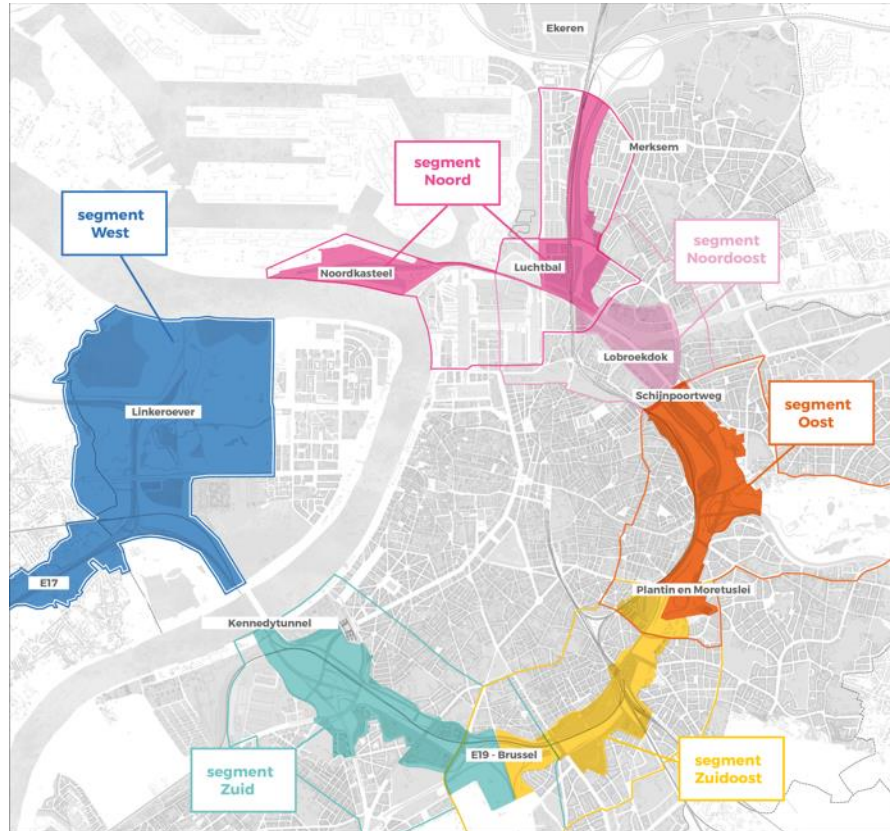
**NOORD: BUUR / LATZ /
S333 / GREISCH**

**NOORDOOST: TEAM VAN
DE INTENDANT**

**OOST: 51N4E / NDVR /
H+N+S**

**ZUIDOOST: STUDIO
VIGANO / MAARCH /
GRAFTON**

**ZUID: AGENCE TER / TVK /
ARCADIS**



Workshops, tours,
exhibitions, and more
workshops, presentations,
discussions

5000+ suggestions and
ideas by 4000+ citizens,
institutions and
businesses.



Gezocht:

over de ring

ring bou wers

RINGDAGEN
6 - 13 SEPTEMBER 2017

Vanaf september geven we
het startschot en ontwerpen we
samen de overkapping van de ring.

Doe mee en schrijf je in op
www.overdering.be

Urban design as integration of knowledge fields

Expert Weeks (+200 workshops): calendar 15-19 januari 2018

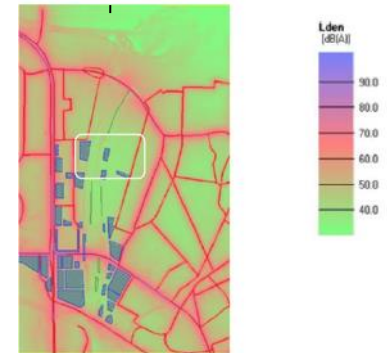


urban design: designers + engineers

lucht en geluid di. 09.30u-13.00u: sessie door VITO en UCent met de 6 teams (plus een aantal experts) resultaten van de eerste doorrekening	sessies team intendant di. 14.00-15.30: OOST di. 15.45-17.15: WEST wo. 09.45-11.15: NOORDOOST wo. 11.30-13.00: NOORD wo. 14.00-15.30: ZUID wo. 15.45-17.15: ZUIDOOST	ecologie wo. 09.30-10.30: ZUIDOOST wo. 10.45-11.45: WEST wo. 12.00-13.00: ZUID wo. 14.00-15.00: OOST wo. 15.15-16.15: NOORDOOST wo. 16.30-17.30: NOORD	mobiliteit wo. 09.30-10.30: ZUID wo. 10.45-11.45: OOST wo. 12.00-13.00: WEST wo. 14.00-15.00: ZUIDOOST wo. 15.15-16.15: NOORD wo. 16.30-17.30: NOORDOOST
burgerbewegingen wo. 09.30-10.30: NOORD wo. 10.45-11.45: ZUID wo. 12.00-13.00: ZUIDOOST wo. 14.00-15.00: NOORDOOST wo. 15.15-16.15: WEST wo. 16.30-17.30: OOST	participatie wo. 09.30-10.30: WEST wo. 10.45-11.45: ZUIDOOST wo. 12.00-13.00: NOORDOOST wo. 14.00-15.00: NOORD wo. 15.15-16.15: OOST wo. 16.30-17.30: ZUID	civieltechniek do. 10.00-12.30: OWV RO (teams N, NO, O) do. 13.30-16.00: Z-O RING (teams O, ZO, Z) do. 16.30-18.00: OWV LO (team W)	ontwerpgemeenschap vr. 10.00-13.00: workshop met de zes teams (2 pers. per team) + kernteam stakeholders

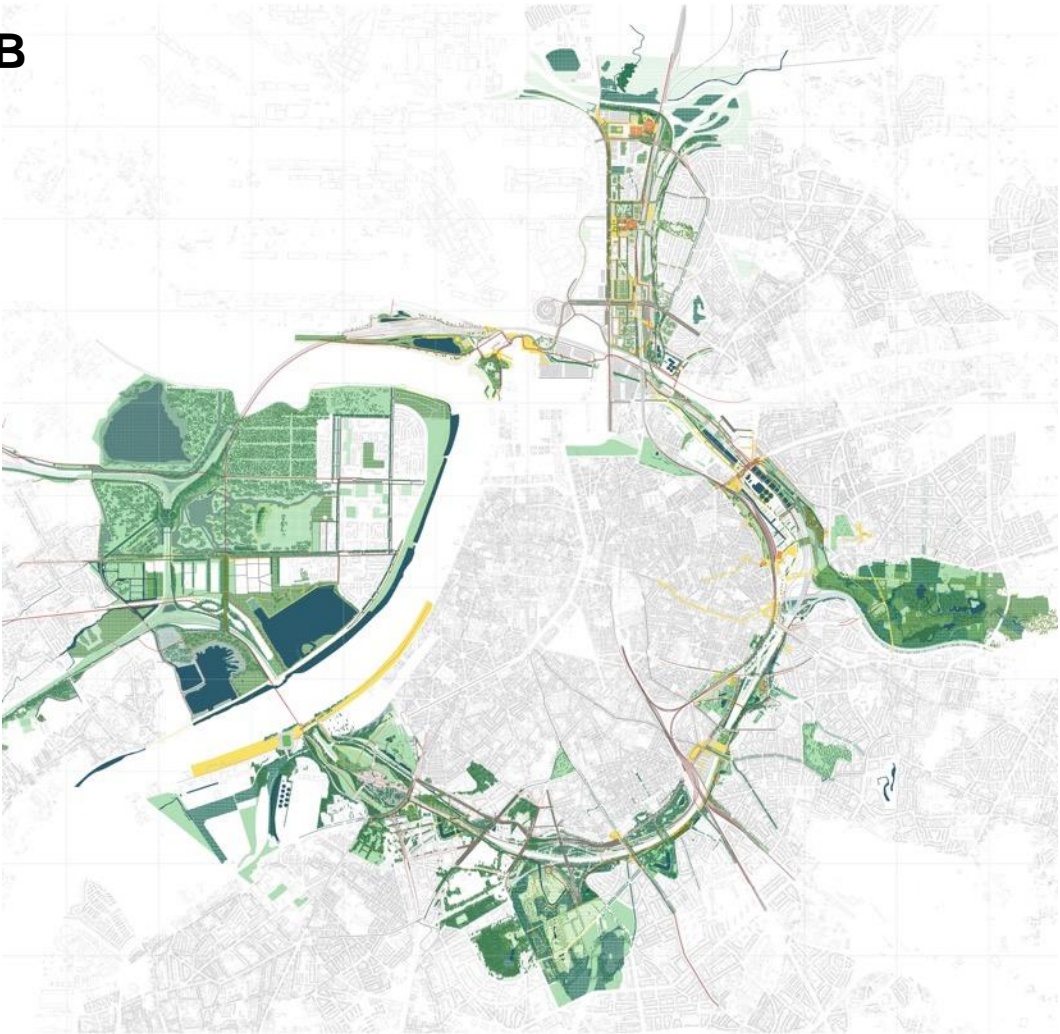
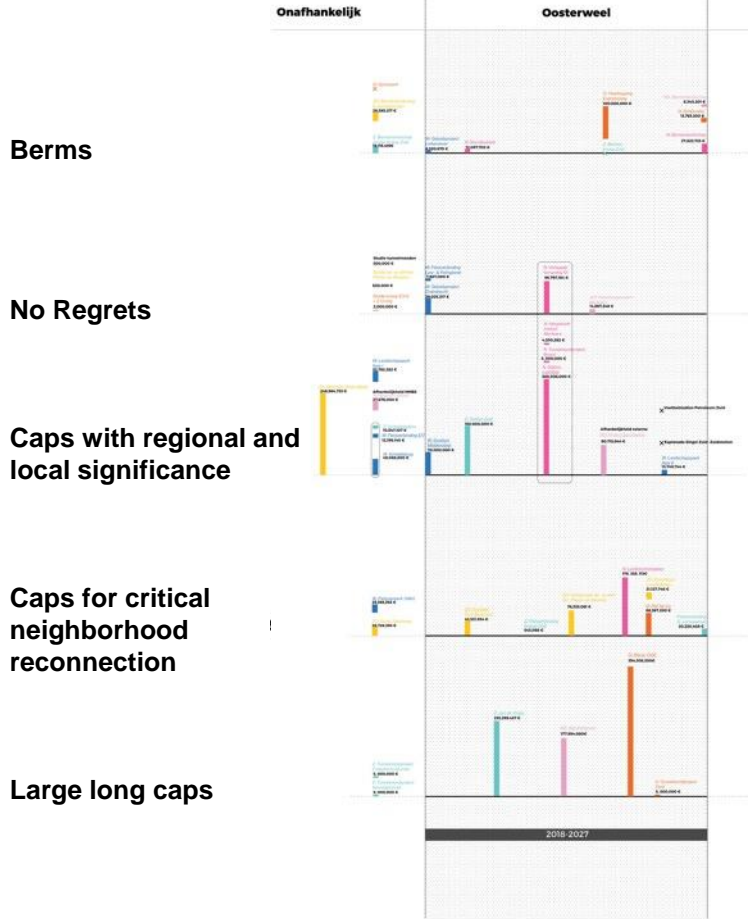


Feedback from lived everyday urban experience: citizens

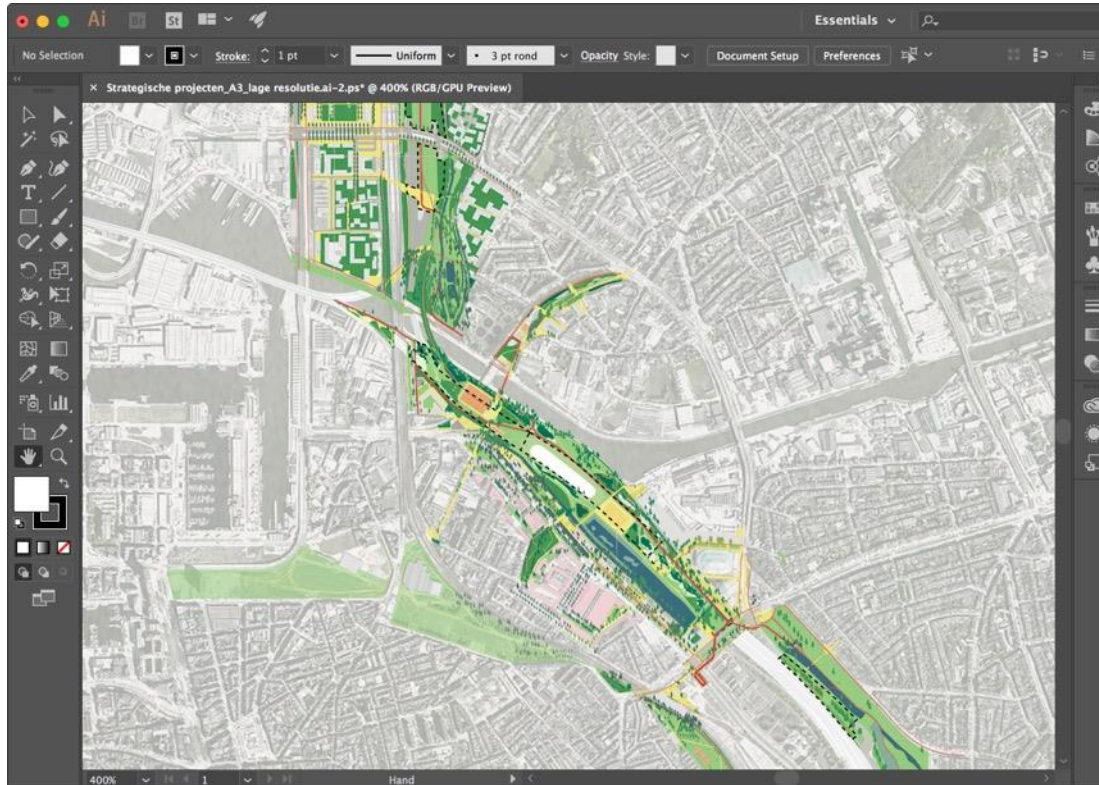


Sound quality simulation
Prof. Botteldoorn, U. Gent

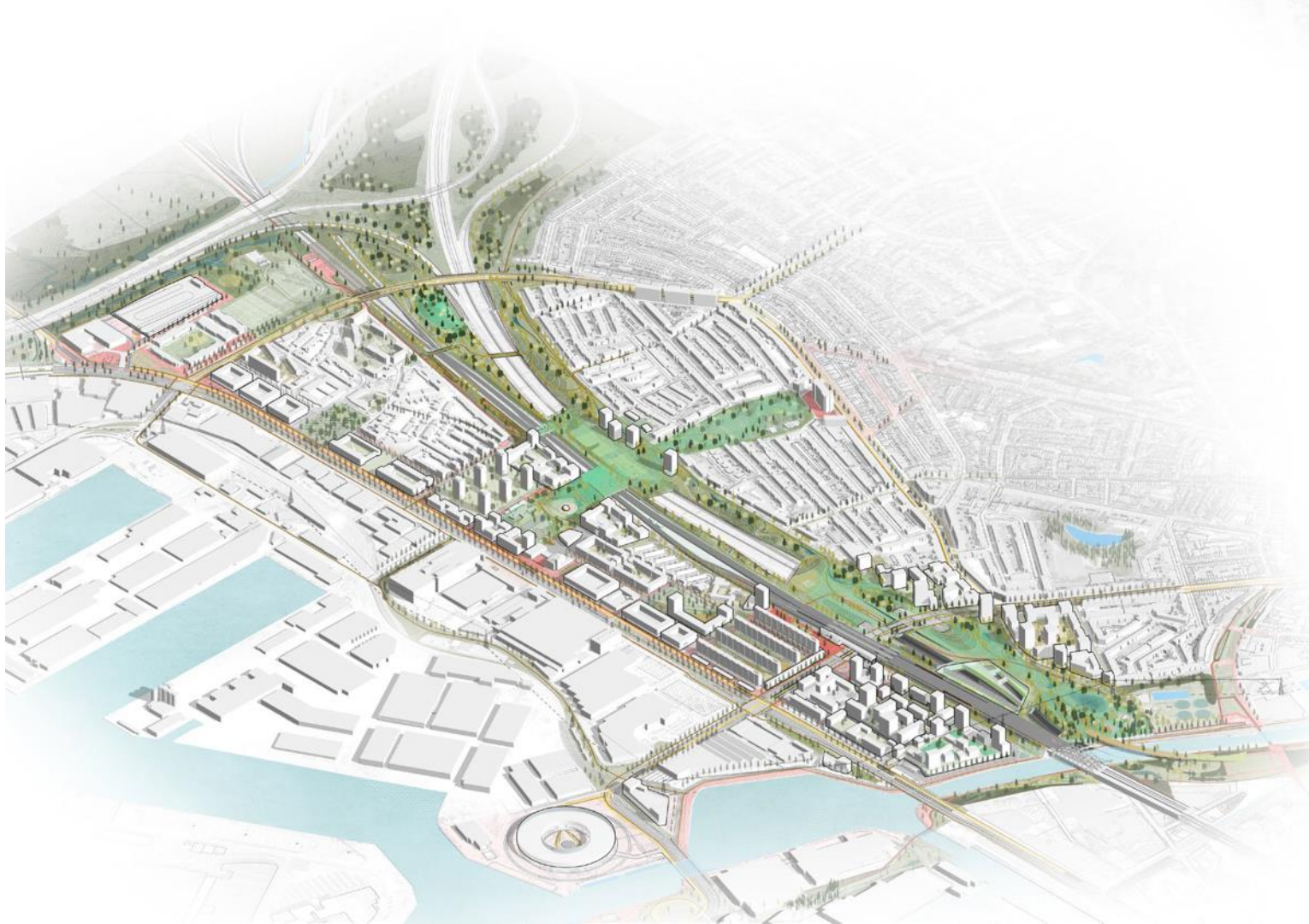
27 Strategic Projects for EUR 2.7B



Evaluation to select 1.25B worth of projects



- 1
Health Performance
Ecological Benefits
- 2
Quality of Urban Space
Design
- 3
Cost-Benefit Analyses
- 4
Popular Support

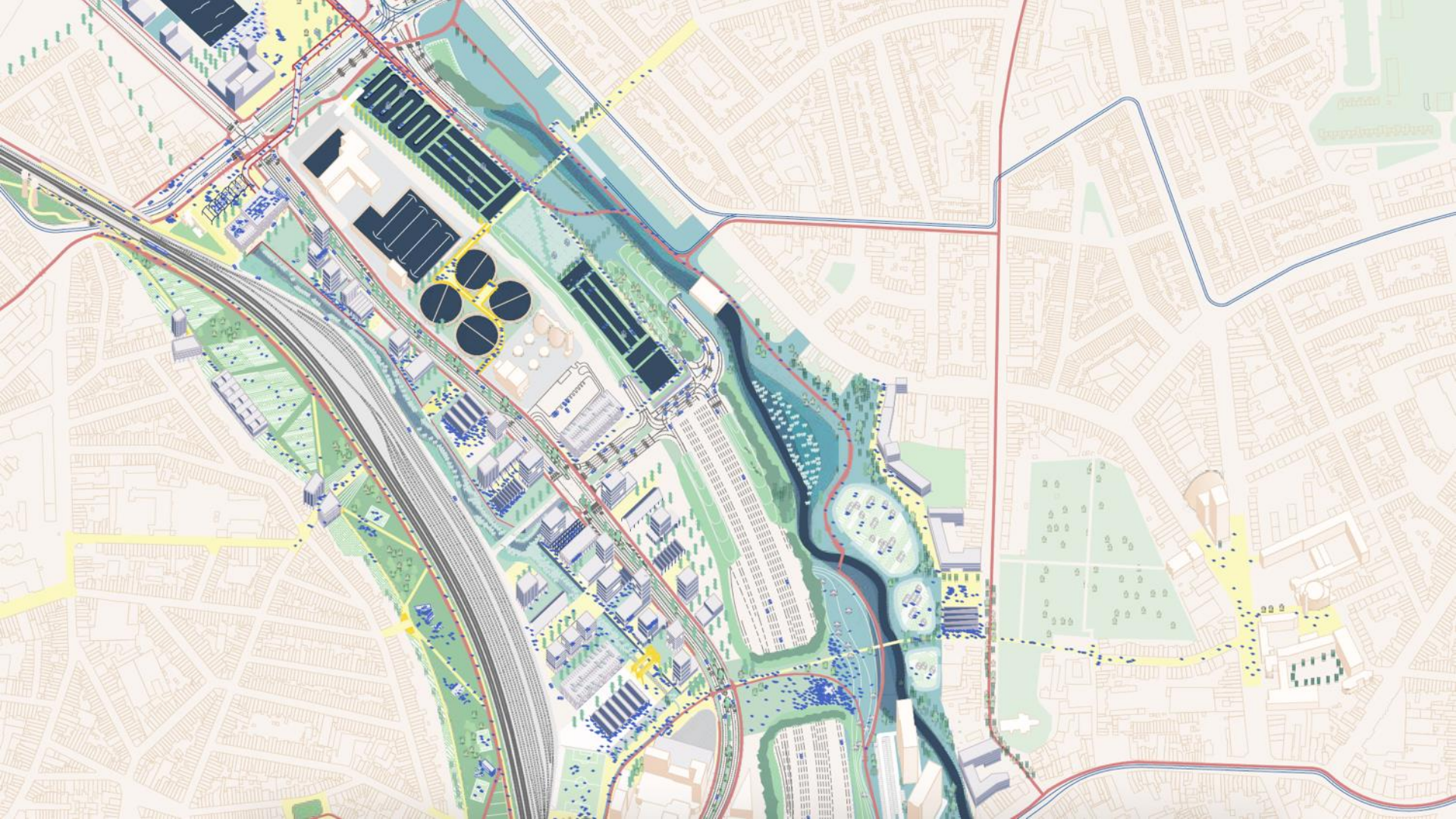




























**Construction has already started.
By 2027 all this is built: the future is looking bright.**

