

NICE TO MEET YOU...

The Amsterdam University of the Arts, Codam, and the AMS Institute would like to introduce you to our recently established Open Knowledge Coalition. With this initiative, we aim to contribute to the development of Marineterrein into an innovation district for the learning city. Under the direction of the Marineterrein Bureau, many partners in the field of 'learning, working, living' have been brought together in recent years. By combining our strengths as educational and learning organizations, we aim to act as a catalyst for the many individuals and organizations working at Marineterrein on solutions for Amsterdam's future.

Through our Open Knowledge Coalition, we particularly seek to learn how to come up with workable solutions. The process of learning and experimenting together is just as valuable as the concrete ideas and plans that will arise from our Open Knowledge Coalition and underlining the importance of research, education, and entrepreneurship - three disciplines that are central to our three organizations. Every person has a talent that can be further developed. That is why our Open Knowledge Coalition is accessible to everyone: from neighbors to other residents inside and outside the city.

This vision map provides insight into how our Open Knowledge Coalition will shape learning and experimenting together. We show why the intersection of Art, Tech & Science promotes innovation. By showcasing some recent projects and a preview of the Marineterrein of the future, we explain which values and principles form the foundation of our dream.

Above all, this publication is an invitation to join us, aimed at anyone who feels connected to the missions of our Open Knowledge Coalition, the Marineterrein Innovation District, and the ideal city of tomorrow.

See you at Marineterrein!

Annet Lekkerkerker, Amsterdam University of the Arts
Corinne Vigreux, Codam
Kenneth Heijns, AMS Institute

ART, TECH & SCIENCE: DRIVERS OF INNOVATION AT MARINETERRAIN



Art (Creativity & society) shifts the perspective from which we approach complex issues, harnessing our creative capacity and the methodologies of the arts.



Tech (Startup & engineering) enables us to connect technological and urban challenges and people in smart ways.



Science (Research & innovation) provides the foundation for analysing what is needed to shape a sustainable urban living environment.



FIND US AT MARINETERRAIN



OPEN KNOWLEDGE COALITION

We believe that everyone possesses valuable knowledge. Knowledge of theory, knowledge of practice, knowledge of life. Moreover, we see learning and talent development as a source of innovation. Talent that is continuously developing brings energy, liveliness, and inspiration. This is how we develop problem-solving abilities for the challenges of today and tomorrow. Our contribution manifests itself on three levels: at the Marineterrein as an innovative ecosystem of and for the city; in Amsterdam as a learning city that achieves sustainable systemic changes; and finally, in the Netherlands and beyond by creating social value and contributing to broad prosperity.

Our Open Knowledge Coalition is therefore open in character. We invite individuals and institutions with a love for learning to join us and forge new collaborations. Currently, more than fifty companies and institutions at the Marineterrein are addressing urban issues and building a liveable, sustainable city. By binding new ideas, people, and institutions to our Open Knowledge coalition, we think ahead in time and across borders - entirely in the spirit of the pioneering Marineterrein of the past and the Amsterdam of today.

LEARNING AS A SOURCE OF INNOVATION

LOVE OF LEARNING

By pooling our strengths and collective love for learning, our Open Knowledge Coalition will be even better able to contribute to the Marineterrein Innovation District and Amsterdam as a learning city will become even greater. Our total of 1,300 students now, and some 4,000 in the future, will contribute to the vitality of the area. We are working together on living and working concepts in collaboration with our network of investors. The numerous facilities of the Open Knowledge Coalition help to strengthen the infrastructure and ecosystem in the district. Our international network helps position and promote the Marineterrein as a breeding ground, attracting new startups and scaleups.

Our projects contribute to the green urban oasis that the Marineterrein will be. Furthermore, our Open Knowledge Coalition will foster the Art, Tech & Science climate in Amsterdam and beyond.



ART, TECH & SCIENCE

THE OPEN KNOWLEDGE COALITION AT MARINETERRAIN INNOVATION DISTRICT



"IMAGINATION IS ESSENTIAL FOR CHANGE."

Art serves as a catalyst for imagination. Art shifts the perspective from which we approach complex problems. At Marineterrein, the various academies, artists, students, teachers, and researchers collaborate across disciplines to create innovation and change.



AHK FACTS & FIGURES

- Trains students for the (inter)national field of arts, culture, and heritage, with Amsterdam as a hub
- Six leading academies spread across the city: Breitner Academy, Academy of Architecture, Conservatorium van Amsterdam, Netherlands Film Academy, Reinwardt Academy, Academy of Theatre and Dance
- In total, about 3,300 students and 50 researchers spread across 7 research groups
- Contribution to the Innovation District Marineterrein: collaborating and learning about (among other things) inclusion and diversity, sustainability, and interdisciplinarity

Located at Marineterrein are:

- Culture Club: living room for meeting and sharing knowledge and experiences
- LearningLab, including: AHK Research Centre, ArtechLab, CASE (Centre for Arts & Sciences Education), Research Group Social Justice and Diversity in the Arts, Research Group Architecture and Circular Thinking, Master's Programme and Research Group Art Education
- MakerSpace: shared workshop
- VR Academy & Space: education and studio for Virtual & Augmented Reality, motion capture, interactive visuals, and spatial audio

AHK

"NO CLASSROOMS, NO TEACHERS, NO BOOKS; ONLY HUNDREDS OF IMACS."

Codam is the first, freely accessible programming school in the Netherlands and is located at Marineterrein. Codam is a unique institution that trains young people to become successful software developers. Anyone can apply to Codam, regardless of their educational background or prior experience. The education programme, which lasts on average one and a half to two years, is free and provides a great diversity of talent.



CODAM FACTS & FIGURES

- Is part of 42 Network, with 47 campuses worldwide and over 15,000 students
- Has 350 students on location, of which 36% are women
- 30% of the students do not have a prior qualification, 20% have a degree in HBO (higher vocational education) or WO (academic education)
- Annually 360 participants in the training and selection period known as Piscine
- Has 2 curricula: Codam Core & Codam Advanced
- More than 100 companies work with Codam interns and alumni
- Students do not pay tuition fees
- 100% job guarantee
- Opened in the presence of Queen Máxima and Ingrid van Engelshoven, former Minister of Education, Culture and Science
- Has an extensive network of tech startups, scaleups, and other types of companies and institutions

CODAM

"REINVENTING CITIES WITH TOP RESEARCHERS, STUDENTS, STARTUPS, AND 1000+ PARTNERS."

World-class research must find its way into practice and vice versa, to quickly arrive at practical sustainable solutions for and with the city and its residents. This can only be achieved by consistently seeking collaboration with practice, experimenting, and continuously learning. The Amsterdam Institute for Advanced Metropolitan Solutions (AMS Institute) is the joint research institute of Wageningen University & Research (WUR), TU Delft, and Massachusetts Institute of Technology (MIT). In close collaboration with the City of Amsterdam and with the city as a living laboratory, the institute works on metropolitan challenges. Through research, education, and entrepreneurship, AMS Institute develops innovative solutions for Amsterdam and cities around the world to make them liveable, sustainable, resilient, and just.



AMS FACTS & FIGURES

- Leading research institute founded by top universities Wageningen University and Research (WUR), Delft University of Technology (TU Delft), Massachusetts Institute of Technology (MIT), and the City of Amsterdam
- Transdisciplinary TUD/WUR Master's programme in Metropolitan Analysis Design and Engineering (MADE). An average of 60 MSc MADE graduates per year, 21st century urban engineers
- 6 urban themes: circularity, digitization, energy, climate resilience, mobility, and food
- 28 Principal Investigators (PIs), 30 Research Fellows (RFs), and 64 staff members. Project portfolio valued at €200M
- Unique transdisciplinary ecosystem of students, engineers, designers, natural and social scientists, and 1000+ national and international partners
- Approximately 25 startups per year
- The city serves as a testing ground for research and experimentation in all AMS Institute projects
- Collaboration with citizens and stakeholders in 9 living labs in Amsterdam leads to accelerated, sustainable and practical solutions for the city
- The AMS Institute building serves as a platform for collaboration and home base for the mission-driven community, with open and flexible spaces, a Makerspace, greenscreen studio, and lecture hall
- AMS Institute receives international recognition and hosts delegations from all over the world who want to learn from the institute

AMS Institute

CASE AMS INSTITUTE URBQUAY

Researchers and partners working with the AMS Institute on the Urbiquay programme are focused on sustainable, innovative solutions for managing, restoring, and renewing civil infrastructure. They develop knowledge about future-proof bridges and quay walls that can be applied in other circumstances or other cities. Three consortia work on the research projects Livequay, Stability, and Logiquay to monitor the condition of bridges and quay walls. They also develop environmentally friendly restoration methods that take into consideration cultural-historical values, as well as methods for improving the (circular) approach and logistics of such complex construction projects.



CASE AHK X CODAM FUN IN FAILURE

Fun in Failure emphasizes experimentation and playing with programming code through workshops on coding and artistic programming. Failure is allowed and visibly appreciated. Competition gives way to collaboration, connecting the worlds of art and science. Fun in Failure is a project by AHK Master of Arts Education students Gina Sanches and Melvin van de Woude, commissioned by Codam.



CASE CODAM CODAMX

The CodamX series is an online and physical platform for opening up a discussion between students and professionals from the tech industry. Experts contribute to the education and development of Codam students by sharing their experience in the development and use of technology in business, government, and non-profit organizations. This provides insights that help Codam students to learn and improve their professional skills. CodamX is accessible to students from AHK and AMS Institute, as well as students from the University of Amsterdam.



CASE AMS INSTITUTE SPACE FOR FOOD

What can cities learn from space technology? Innovation in space is largely focused on finding smart, efficient, and circular ways to sustain astronauts. How can they continue to eat, drink, and breathe during their long space journeys and otherworldly conditions? The Space for Food programme explores how we can develop sustainable food systems for cities based on space technology.



CASE AHK CULTURE CLUB

The AHK Culture Club is a multifunctional hotspot in the middle of Marineterrein where students, teachers, and recent graduates from various institutions come together, meet each other, and exchange ideas. The various art forms intersect here and find expression in multidisciplinary projects. There is space and a stage for public presentations, performances, discussions, and other activities. The stage takes the form of a half-doughnut, symbolically referring to Kate Raworth's Doughnut Economics. In addition to the six academies of the AHK, institutions such as ROC Amsterdam and VMBO Denktank en Kennisnetwerk also make use of the Culture Club.



OUR JOINT CONTRIBUTION TO MARINETERRAIN INNOVATION DISTRICT

LEARNING TO WORK, LEARNING TO LIVE, LEARNING TO LEARN,

BY LEARNING TO COLLABORATE, EXPERIMENT, RESEARCH, INNOVATE AND CONNECT.

LEARNING AS A SOURCE OF INNOVATION

SHARED VISION

At the end of 2021, the City of Amsterdam presented the policy document outlining the future development of Marineterrein. In the further development of Marineterrein as a leading innovation district in Art, Tech & Science, the Open Knowledge Coalition considers four values as crucial success factors. These values have been translated into ten guiding principles to strengthen collaboration and take further steps.

MARINETEERREIN INNOVATION DISTRICT

CONTRIBUTION OPEN KNOWLEDGE COALITION
AHK | CODAM | AMS INSTITUTE

LEARNING AS A SOURCE OF INNOVATION:
LEARNING TO WORK, TO LIVE AND TO LEARN

4 RADICAL VALUES

Radical adaptivity	Radical accessibility	Radical nature inclusivity	Radical cross-pollination
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TRANSLATED IN 10 GUIDING PRINCIPLES

A breeding ground for Art, Tech & Science	Building on the existing basis	Everything contributes	One integrated innovative system	Encouraging spontaneous encounters	Over size as quality	Material positive	A healthy future	Development as a means	The process is never finished
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4 RADICAL VALUES

The knowledge coalition has defined four values that enable learning as a source of innovation and are crucial for a leading Innovation District Marineterrein.

Radical adaptivity: Radical adaptivity means designing Marineterrein as flexibly and adaptively as possible, both spatially and programmatically. Nothing on Marineterrein should be set in stone. By designing and developing organically and creating spatial excess, Marineterrein can respond to changing needs for years or even decades.

Radical accessibility: We believe everyone has talent and can contribute to Innovation District Marineterrein in their own way. Radical accessibility means offering experiences and solutions for the broadest and most diverse group of people possible. Accessibility also means keeping living, working, and learning affordable.

Radical nature inclusivity: The importance of a healthy, natural living environment cannot be underestimated. Radical nature inclusivity means creating a Marineterrein where nature is an integral part and where preserving and enhancing greenery benefits liveability and biodiversity.

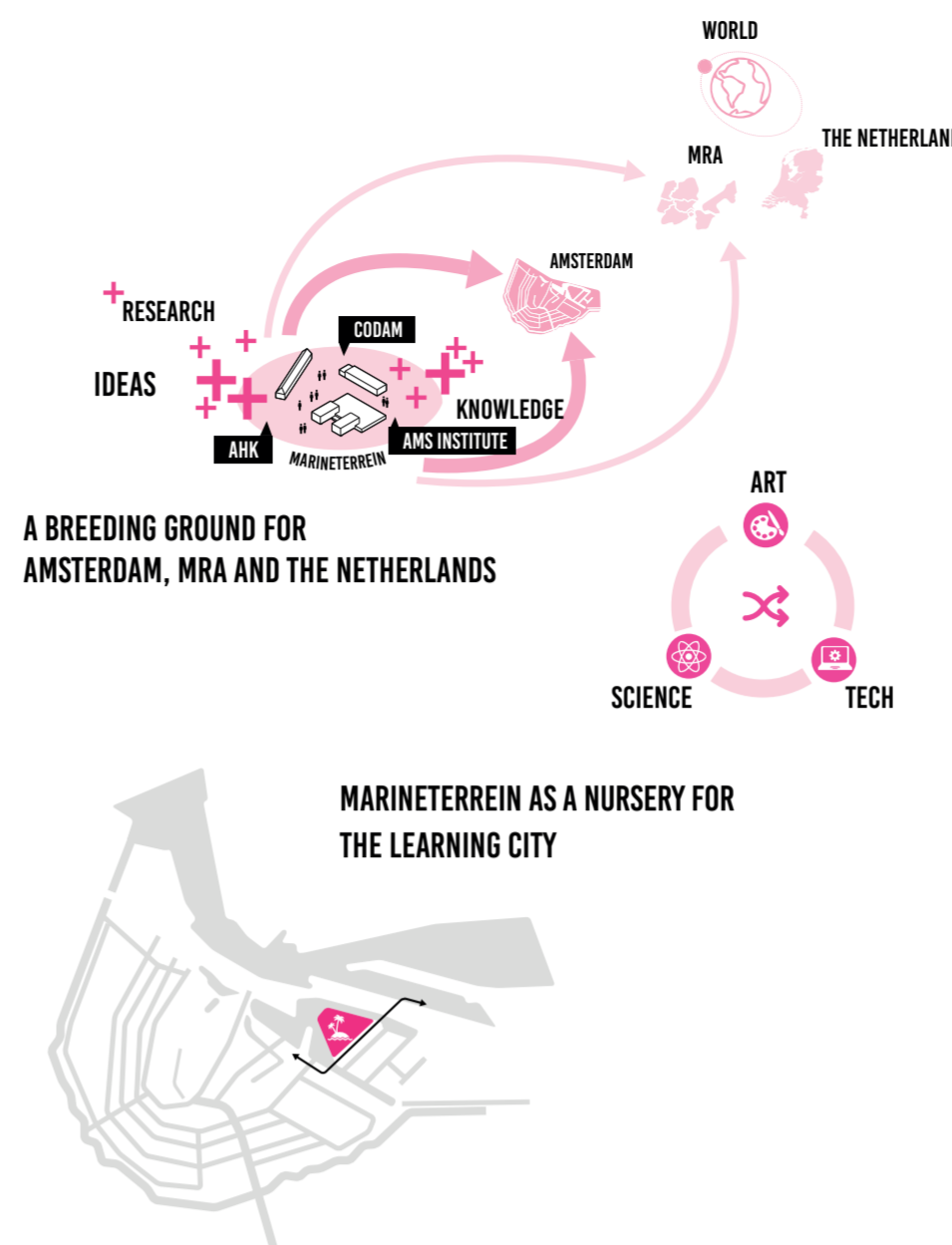
Radical cross-pollination: Innovation thrives when you encounter people who think and act differently. Radical cross-pollination therefore means stimulating and facilitating chance encounters and the ideas that emerge from them. Radical cross-pollination takes place within the Art, Tech & Science field, but certainly also beyond.

10 GUIDING PRINCIPLES

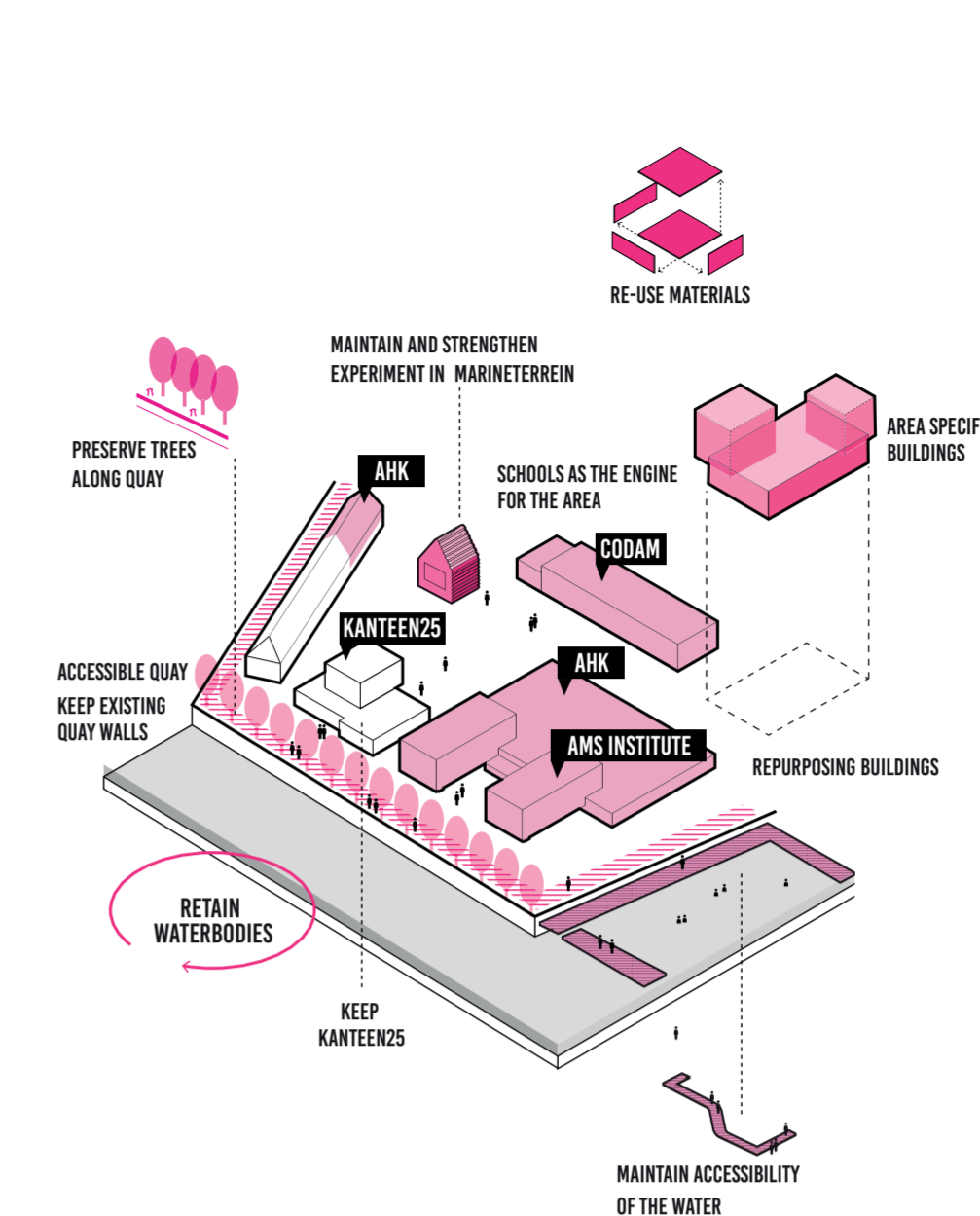
The Open Knowledge Coalition has formulated 10 guiding principles that are essential prerequisites for a successful Innovation District Marineterrein. They were formulated and evaluated by the Marineterrein community together with students, teachers, researchers, and directors from the three institutions AHK, CODAM and AMS, Research Group of Architecture & Circular Thinking, DELVA Landscape Architecture & Urbanism, Yellow Concepts, and UPwind Development.

1. A breeding ground for Art, Tech & Science.
2. Building on the existing basis.
3. Everything contributes.
4. One integrated innovative system.
5. Encouraging spontaneous encounters.
6. Over size as quality.
7. Material positive.
8. A healthy future.
9. Development as a means.
10. The process is never finished.

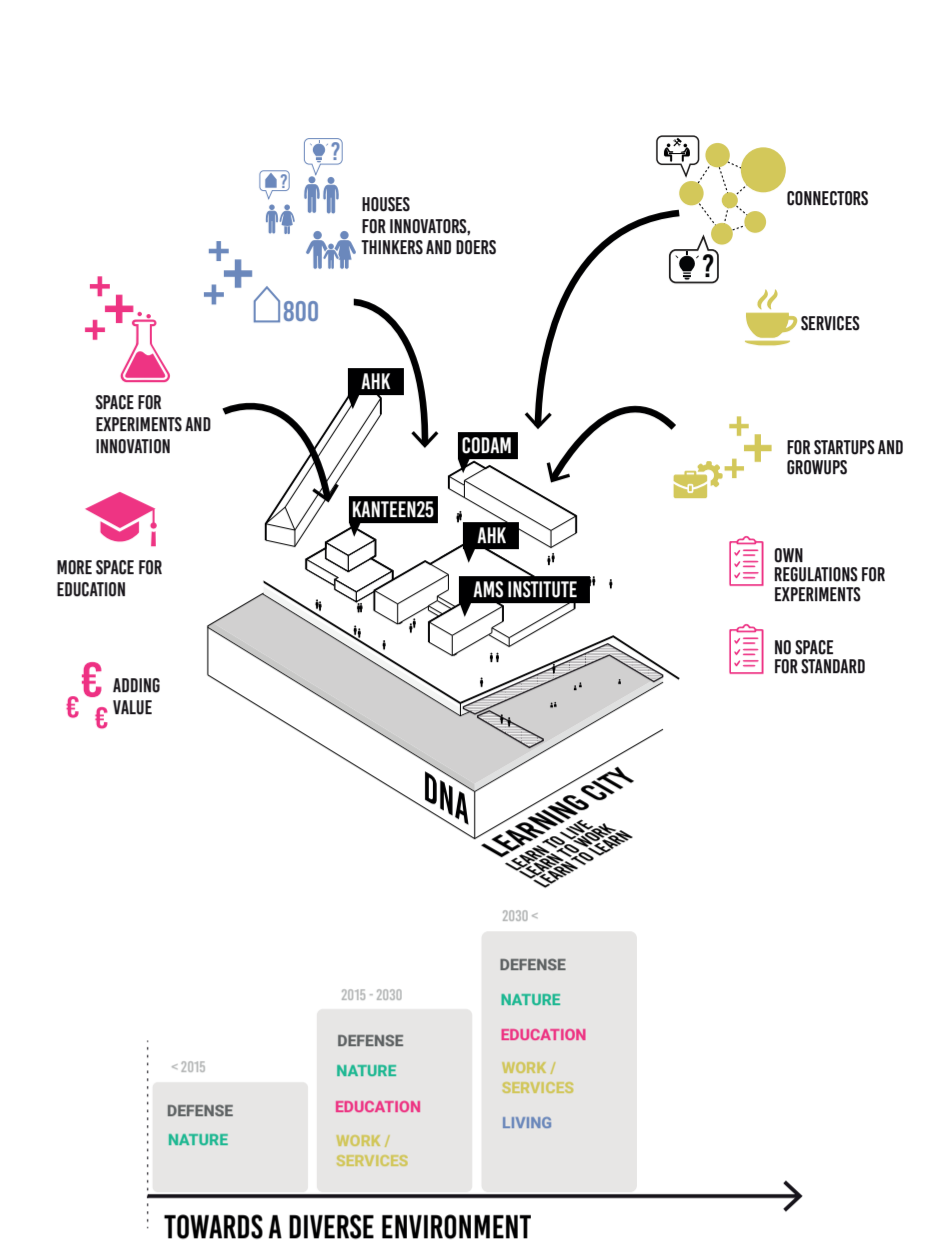
1. A BREEDING GROUND FOR ART, TECH & SCIENCE



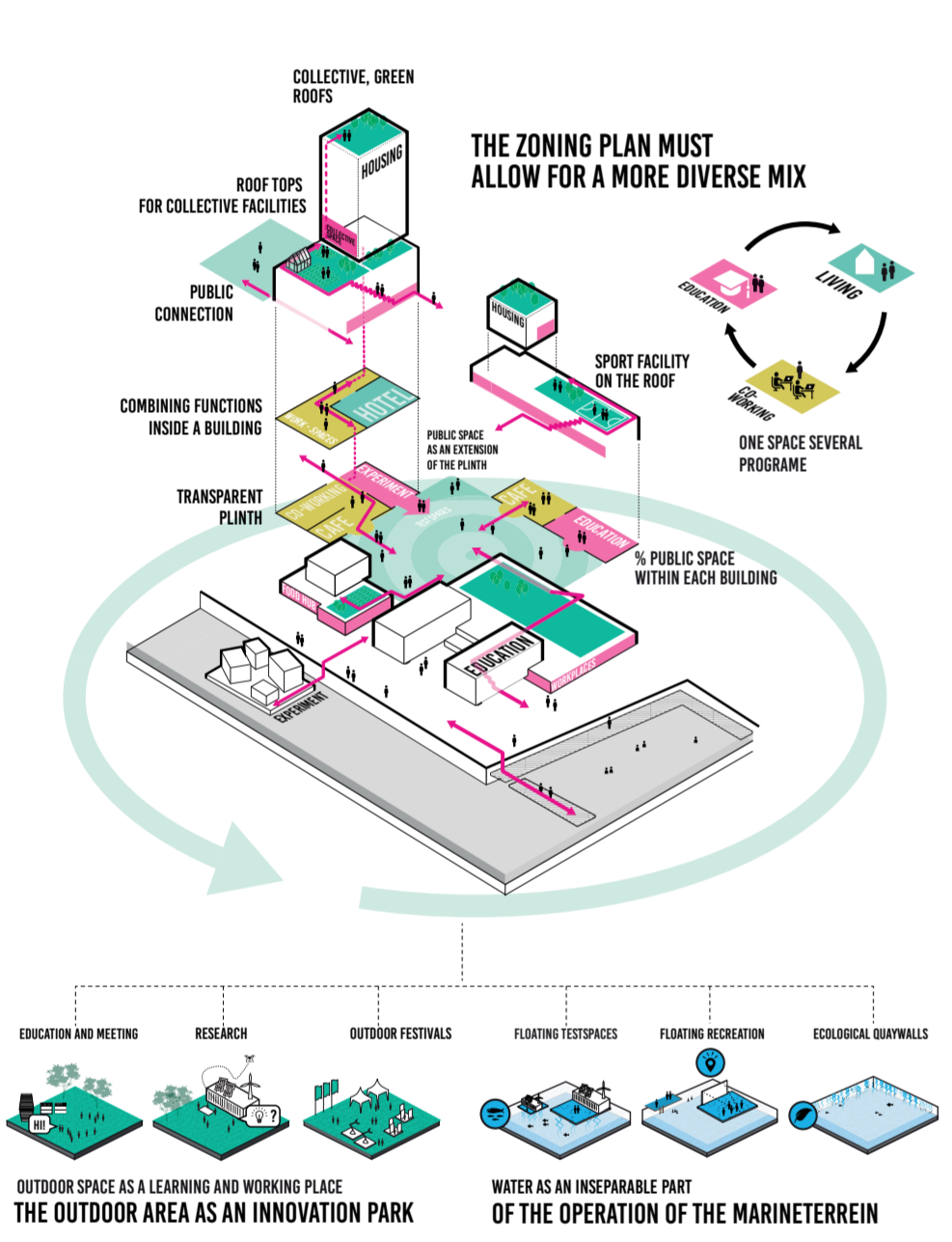
2. BUILDING ON THE EXISTING BASIS



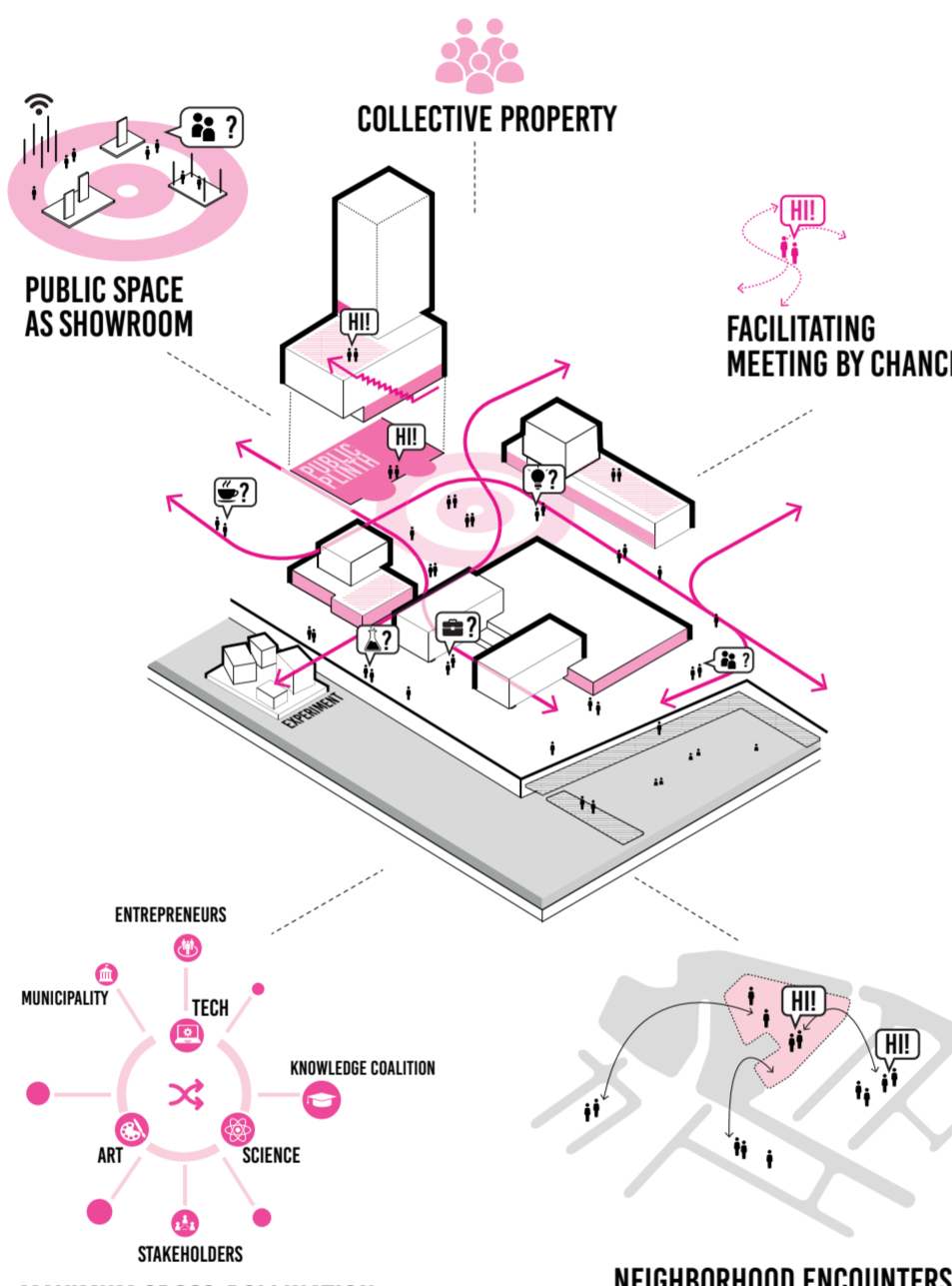
3. EVERYTHING CONTRIBUTES



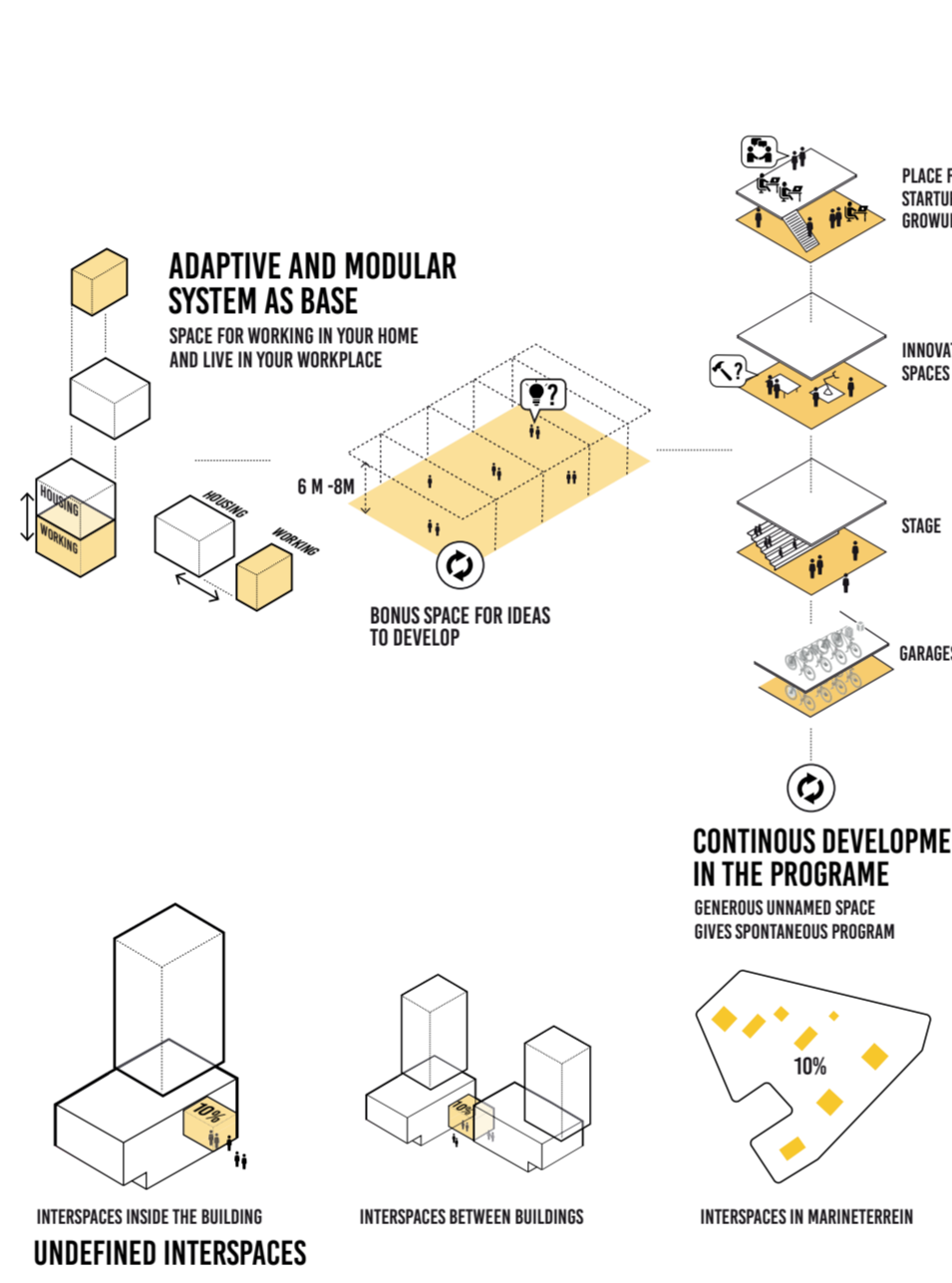
4. ONE INTEGRATED INNOVATIVE SYSTEM



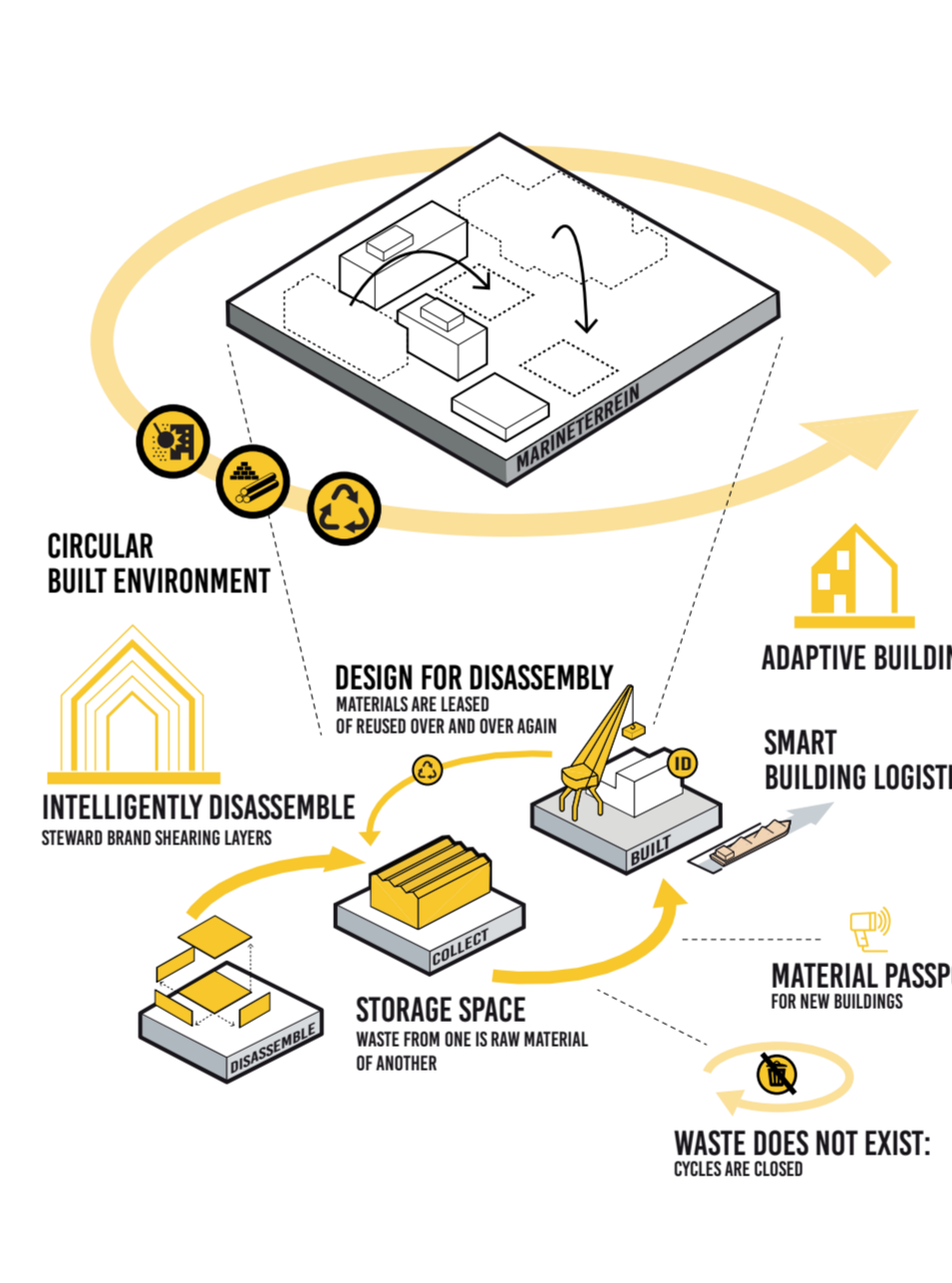
5. ENCOURAGING SPONTANEOUS ENCOUNTERS



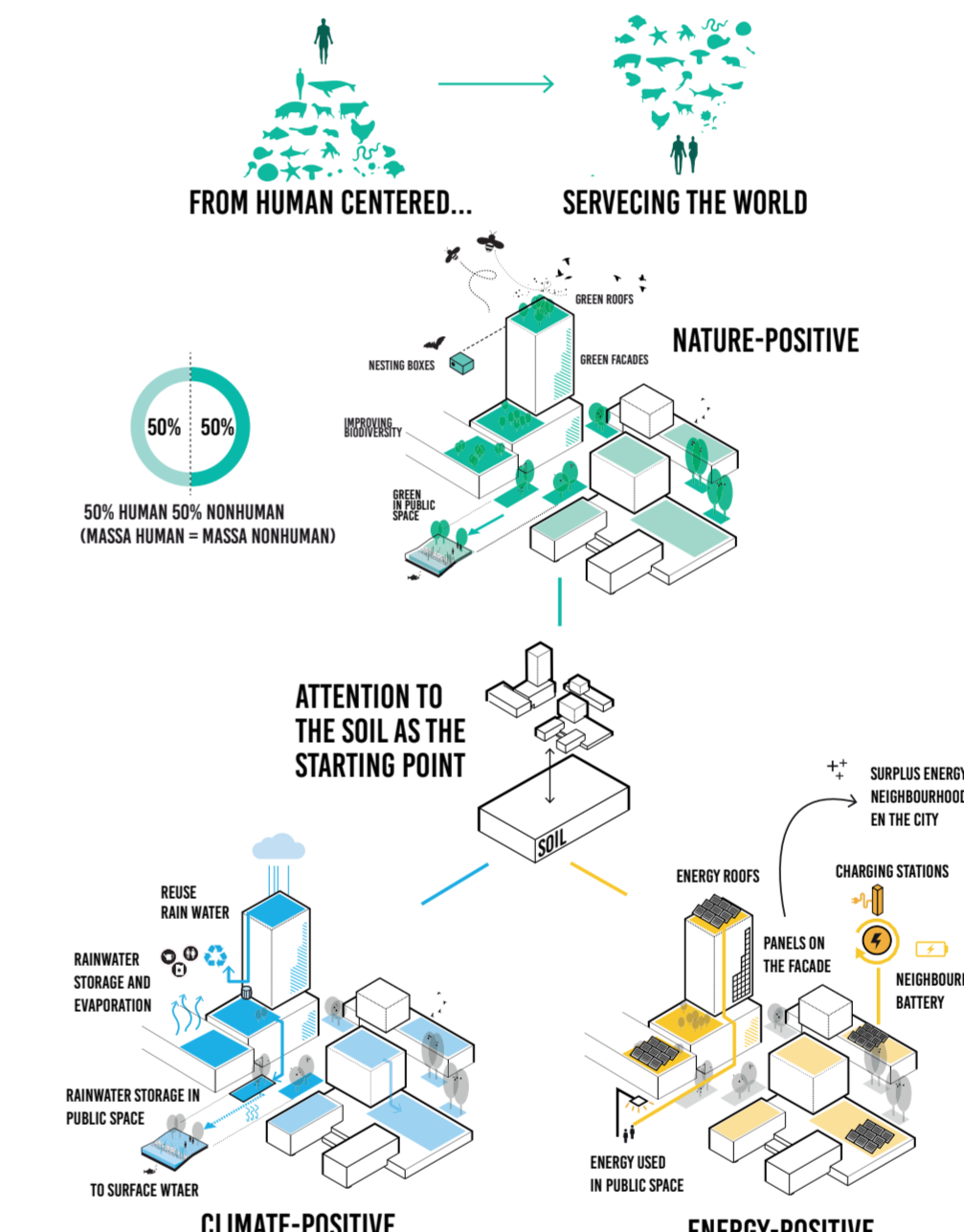
6. OVER SIZE AS QUALITY



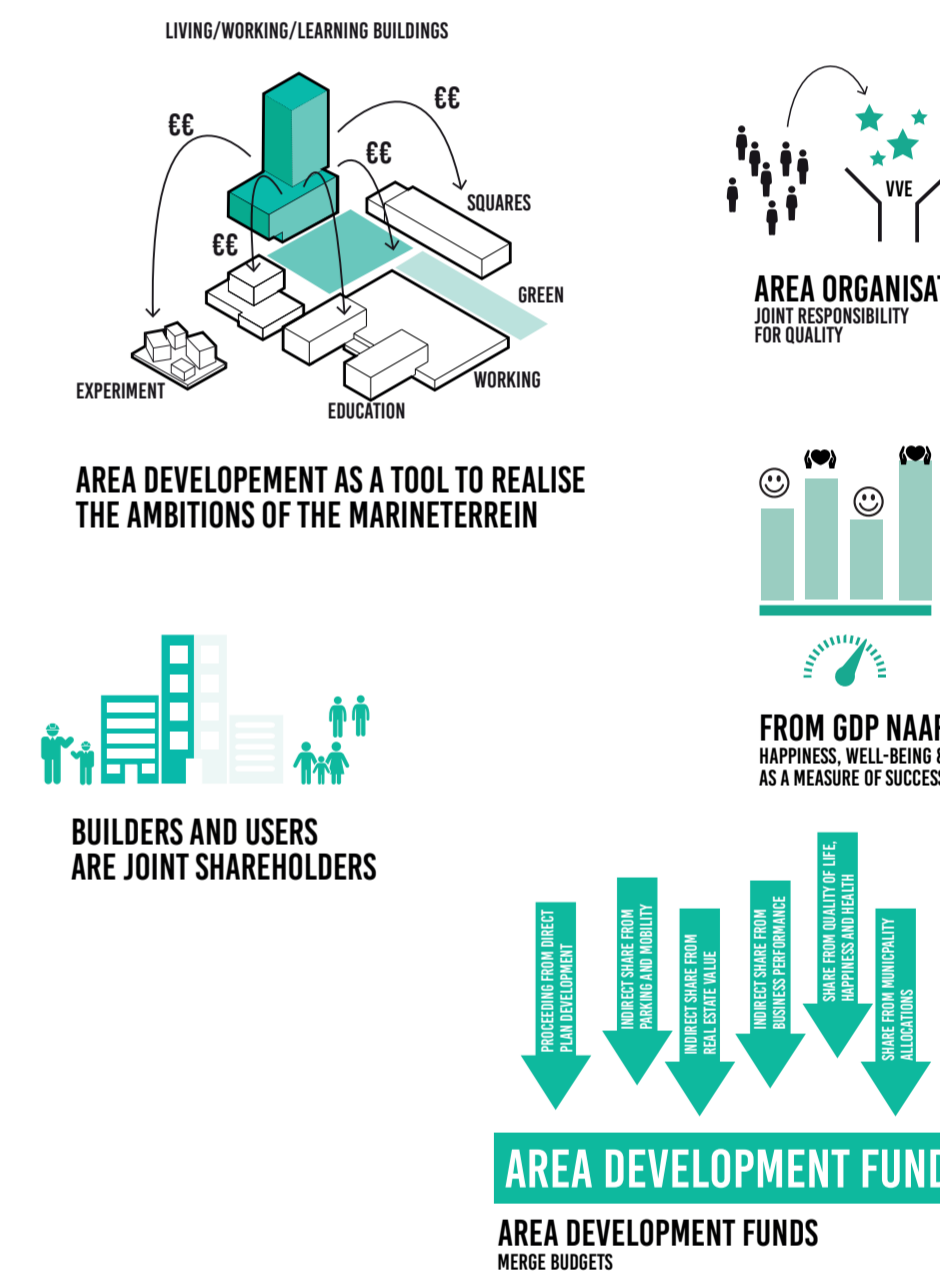
7. MATERIAL POSITIVE



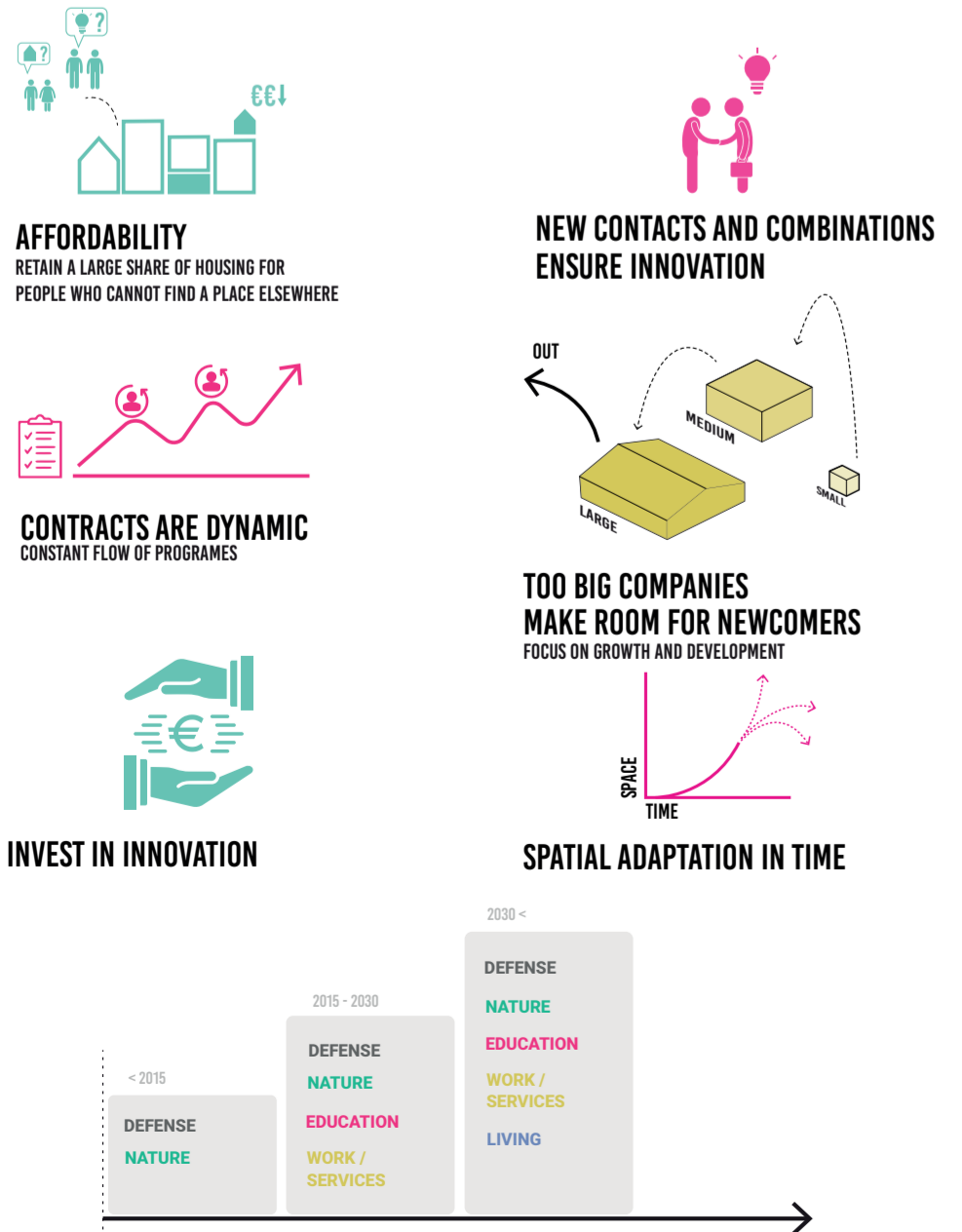
8. A HEALTHY FUTURE



9. DEVELOPMENT AS A MEANS



10. THE PROCESS IS NEVER FINISHED



WORK IN PROGRESS

INTRODUCTION

The Open Knowledge Coalition is working on many ideas and projects based on the 4 prerequisites and 10 guiding principles.

We would like to show you three "Work in Progress" examples (Building 27, Urban Food Hub and ACT NOW Building) that demonstrate how radical adaptivity, radical accessibility, radical nature inclusivity, and radical cross-fertilization are being applied in practice and what value they bring to the Marineterrein Innovation District.



WORK IN PROGRESS

BUILDING 027

Building 27 is the beating heart of the knowledge coalition: a building where everyone is welcome to gather ideas and get to work shaping the future. AMS Institute is located in Building 27, and the AHK Culture Club, VRAcademy, and Makerspace are also to be found here. Building on the building's strong innovative character, the knowledge coalition aims to expand the number of people and institutions housed here.



WORK IN PROGRESS

URBAN FOOD HUB

While global food demand is increasing, an estimated one-third of all globally produced food is lost or wasted. The Urban Food Hub is the ideal solution for producing fresh, nutrient-rich, and healthy products for the city in the heart of the community by reusing residual streams in an advanced manner. This is done through an automated and data-driven Next-Level Farm that runs on renewable energy and has minimal water consumption. It is also a meeting place and testing ground for high-quality research.



WORK IN PROGRESS

ACT NOW BUILDING

The ACT NOW Building is a study into circular design and construction, initiated by the Architecture & Circular Thinking research group at AHK in collaboration with Codam and AMS. The aim is to investigate what a building on the Marineterrein would look like if all four shared values and ten guiding principles were applied, and what role circular architecture could play in a circular economy.



SIGN UP

ARE YOU IN?

Our doors are open. We invite everyone to work and learn with us. Experimentation and testing can be done at Living Lab and Makerspace, among others, within Marineterrein. Starting your (social) enterprise can be done at the Startup Booster and the various Startercafés. Want to collaborate on urgent issues? You can do this within our Hackathons. If you simply want to meet us, come to the Culture Club to exchange experiences, and meet new people.

Sign up via hallo@innovatiedistrict.amsterdam or visit www.innovatiedistrict.amsterdam.