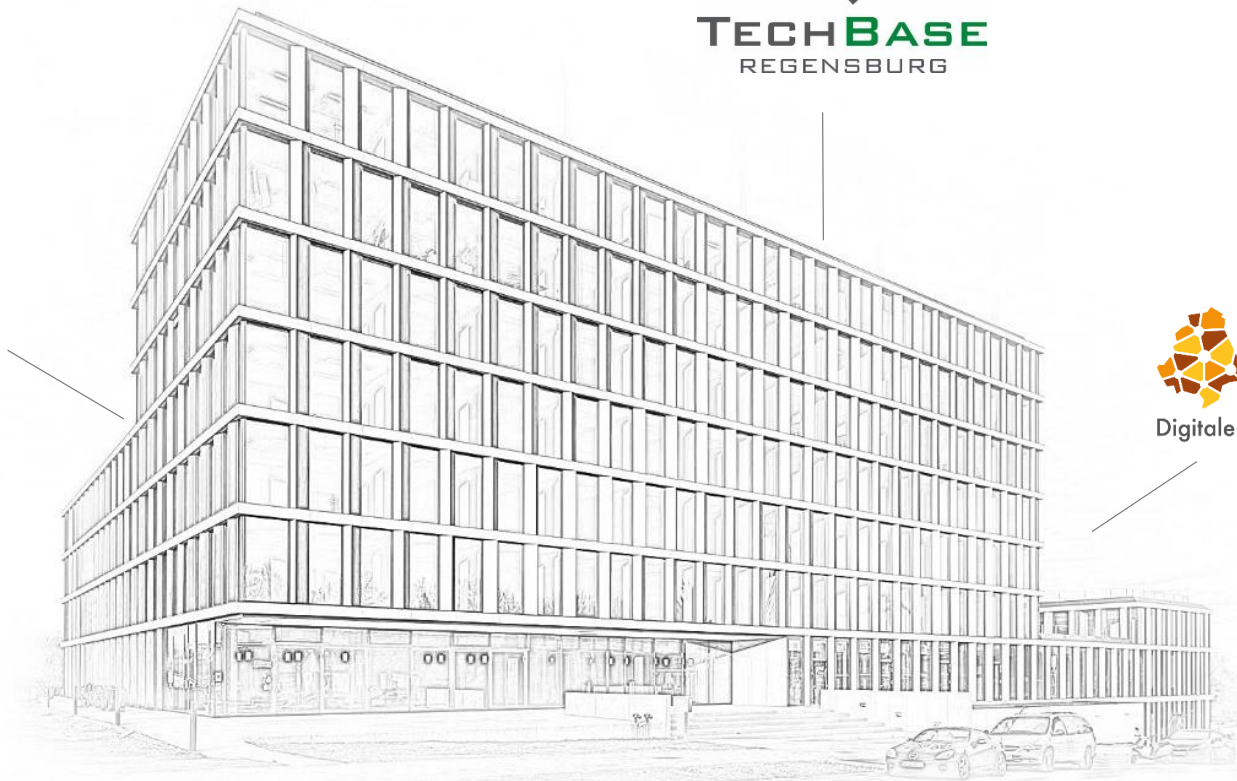


Agenda

- 1 **Cluster Mobility & Logistics**
- 2 **HY2.ZERO**
- 3 **RECIPROCITY**
- 4 **REGENSBURG_NEXT**



Projects of the R-Tech GmbH



*THE ECOSYSTEM FOR
MOBILITY & LOGISTICS*



Cluster
Mobility & Logistics

Getting technology on the road



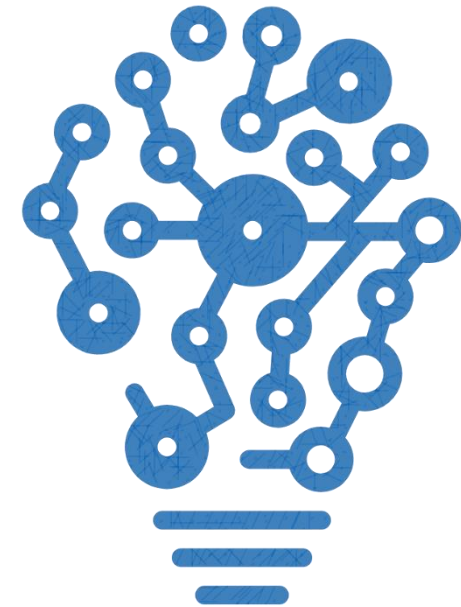
WHAT IS THE TARGET OF OUR INNOVATION CLUSTER?

"Our innovation cluster serves to support innovations. It promotes the development of particularly innovative collaborative R&D projects.

Our cluster brings together companies, research institutions, further education institutions, as well as administration and politics in one region and one sector."

Joining our innovation cluster has advantages:

- Integration with a dynamic industrially based competence network
- Advancing the exchange of experience, building up the network
- Expanding technological potential
- Finding partners and financial support for projects
- Increasing the visibility of the company or facility/institution



OUR FOCUS– MOBILITY



- VEHICLES & INFRASTRUCTURE



- SUSTAINABLE MOBILITY



- DATA & NETWORKING

OUR FOCUS– LOGISTICS



- PRODUCTION LOGISTICS



- INTRALOGISTICS



- TRANSPORT LOGISTICS

National Projects



Transformationsnetzwerk
Automobilindustrie
transform.by

HYHOT

Working Group
KI in der Logistik

UniCon

Multirange

SICM3S

CityTrain

Nefton



Working Group
KI Energie & Mobilität

Sensorcloud

People Mover
Emilia



Innovationsbus
Emil



NIEMOB

EMDENETZ

CURRENT PROJECTS

European Projects



Remobilise



National Projects



MobiCM



IntelliZell
Netzwerk Intelligente Energieverteilung
zur Netzentlastung auf Zellebene

Loadbalancer



SHORT

SEMP

SGLGB

NoFaRe



SCC

Frala

COMPLETED PROJECTS



Research Institutions



A network out of +100 members



Midsize companies, SME's and Startups



Municipalities, municipal enterprises and state organizations



Large enterprises



STRONG COOPERATION PARTNERS

Regional & National Partners



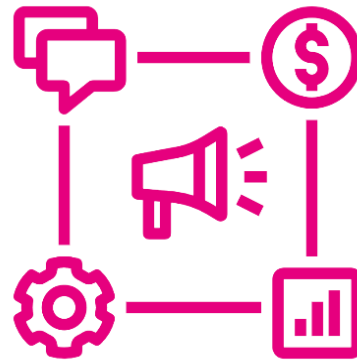
European Partners



WHAT ARE OUR SERVICES



Networking,
Cooperation,
Innovation



Marketing & PR



Events &
Workshops



Networking, Cooperation und Innovation

- Access to the **cluster's network** (+1,000 contacts)
- **Regular information** for cluster members: workshops, events and news
- **Exchange with startups** of the Digital Startup Initiative Upper Palatinate and **founders** of TechBase
- **Individual funding screening and coaching** for your project
- **Individual scouting** for suitable project partners
- Access to the **AIR-Initiative** - Artificial Intelligence Regensburg
- Collaboration in the **working groups, R&D networks and innovation platforms** of the cluster
 - Innovation platform EMIL & EMILIA
 - R&D-Network HY2.ZERO Mobility needs hydrogen
 - Working Group KI in logistics
 - Working Group KI mobility & energy
 - Working Group digitalization in production logistics



Marketing & PR

- Sharing your **news on our channels**:
 - Web (+ 30,000 views per year)
 - Newsletter (+ 800 subscribers)
 - Social media (+2,400 followers)
- Publication of **your member profile on the cluster website**
- Opportunity to **present your company** in a pitch at the cluster annual conference or participate as a **trade exhibitor**
- **Support in personnel search**, e.g. at our job fair JOBTECH or via our online job portal
- **Cluster community stands** at the LogiMAT and IAA trade fairs with discounted conditions for members



Events & Trainings

- Possibility to participate at **Cluster congresses:**

- Bavarian innovation congress
- Bavarian material flow congress
- Traffic congress

- **Regular Events:**

- Mobility on site
- Logistics Monday
- Mobile Tuesday

- **Professional training series:**

- New Work
- Social Media in technology companies
- Subsidies

- **Cluster missions:** Austria, France, Netherlands, Hungary, Portugal, Turkey

FAST FACTS



Top 10 ranking within
the German clusters



3 Mobility & 3 Logistics
focus areas



+ 100 members



+ 1000 participants
annually in cluster events



+ 60 Innovation projects



Networking, Marketing & Events



2 Real labs (EMIL & EMILIA)



Cluster community booths at
trade fairs LogiMAT and IAA

Agenda

2

HY2.ZERO



*THE INNOVATION NETWORK
FOR HYDROGEN*



HY₂.ZERO

Mobilität braucht
Wasserstoff

WHY HY2.ZERO?



Climate protection goal: CO₂ Reduction by 40% until 2030 compared to 1990



Hydrogen-powered vehicles represent a solution in mobility sector as fuel cells offer many benefits



However, there are some disadvantages regarding market ramp-up



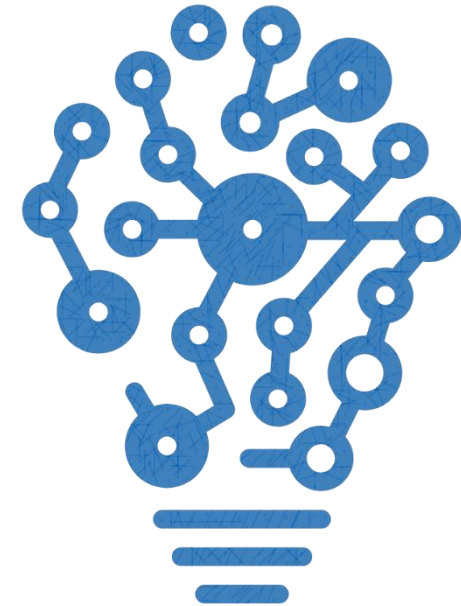
HY2.ZERO aims to support the industrialization of hydrogen and fuel cell technologies

What is the goal of the innovation network?

"By funding innovation networks, the Central Innovation Program for SMEs (ZIM) supports small and medium-sized enterprises and research institutions in networking with stakeholders and in carrying out joint technological innovation projects with high market opportunities."

Joining a ZIM innovation network has advantages:

- Integration into a dynamic industrial competence network
- Advancing the exchange of experience, building the network
- Expanding one's own technological potential
- Finding partners and financial support for projects
- Increasing the visibility of the company or the facility/institution
- Precisely tailored funding, as funding is not restricted to specific fields of technology or industries





Research Institutions



Midsize enterprises, SME's und Startups



Municipalities, municipal enterprises and state organizations

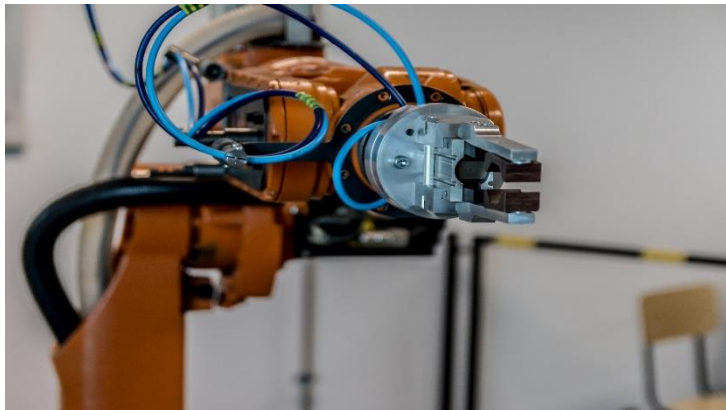


Large enterprises



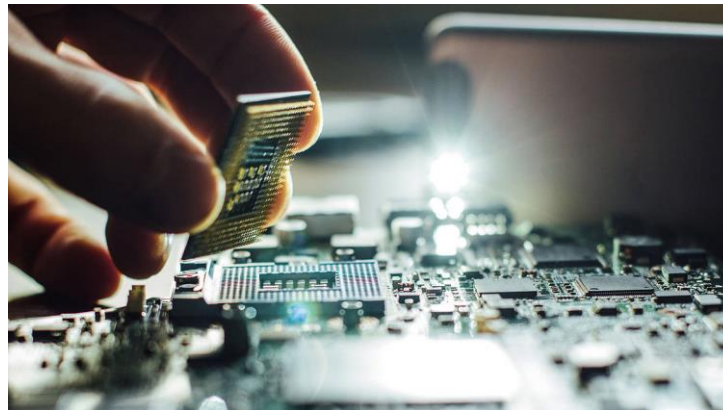
FOCUS AREAS OF THE NETWORK

Development line 1



Fuel cell manufacturing technologies

Development line 2



Fuel cell system components

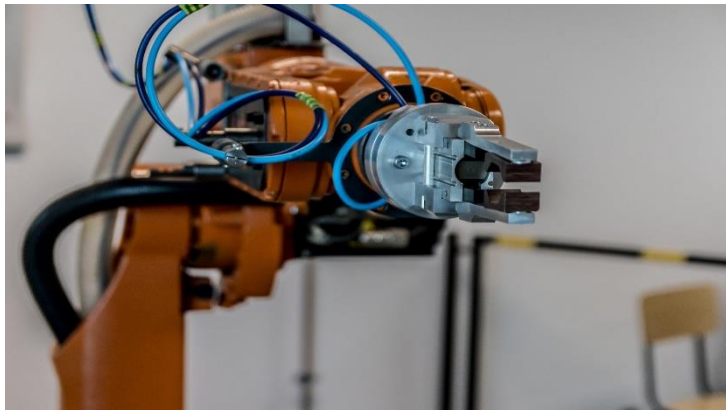
Development line 3



on-site hydrogen generation technologies

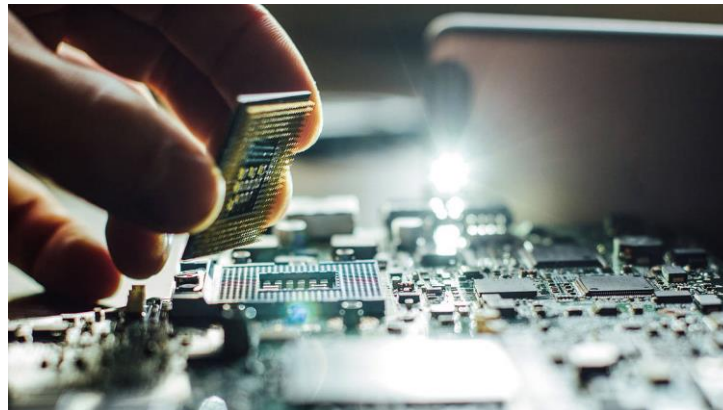
FOCUS AREAS OF THE NETWORK

Development line 1



- Nano4emob

Development line 2



- UniCon (FC DCDC Wandler)
- FC Inverter

Development line 3

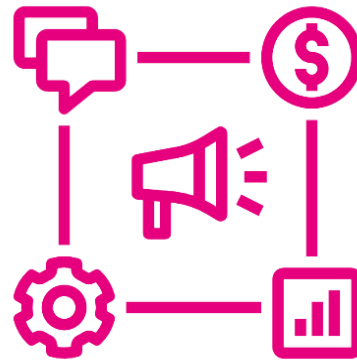


- HotHydrogen
- Grüner Ammoniak

WHAT WE CAN DO FOR YOU



R&D Projects



Marketing & PR



Funding booklet



R&D Projects

- Organization and implementation of workshops
- Exchange of knowledge, technology, contacts and ideas
- Development of project concepts
- Formation of project consortia
- Selection of suitable funding
- Coordination with project sponsors
- Support for ongoing projects
- Direct access to members and cooperation partners of the cluster for targeted networking
- Joint application and demonstration projects



Marketing & PR

- **Podcast HY2.ZERO**
 - 20 episodes in season 1
 - > 1.000 listeners
- **Trade fair participation IAA 2021**
 - Co-exhibitor at the cluster joint stand



September 6-12, 2021 IAA Mobility in Munich, 125 m2 joint stand with 10 co-exhibitors and the Regensburg electric innovation bus Emil



Marketing & PR

■ Marketing channels of the Cluster

- Web (+ 30.000 views per year)
- Newsletter (+ 800 subscribers, 15x in 2021)
- Social media (+ 2.400 follower)
- 10 Press releases in 2021

■ Marketing concept created

■ Corporate Identity HY2.ZERO

- Logo
- Flyer
- Website www.mobilitylogistics.de/hy2zero





Funding booklet

- Grants screening
- Preparation of open funding opportunities in a funding booklet
- Workshops on new funding opportunities

Agenda

3

RECIPROCITY





RECIPROCITY



The RECIPROCITY project

Accelerating replication for smarter and cleaner mobility

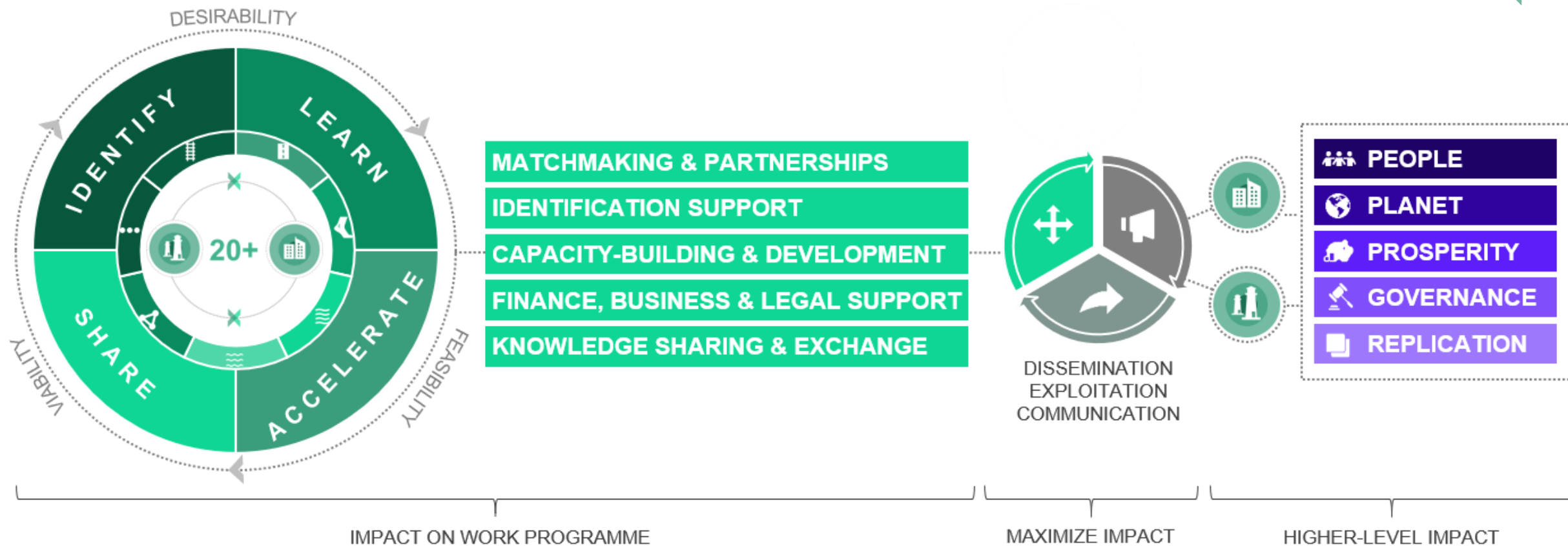
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Our mission

RECIPROCITY aims at transforming European cities into climate-resilient and connected, multimodal nodes for smart and clean mobility through an innovative four-stage replication approach

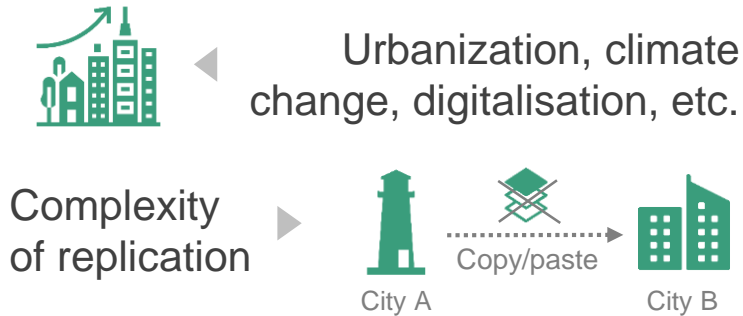
The RECIPROCITY concept



Why? Responding to European mobility challenges



CHALLENGES



Support **Europe's efforts** to transform cities into climate-resilient, connected multimodal nodes for **smart and clean mobility** through **replication**.

KEY QUESTION

How can the results of mobility pilot projects be used to implement smart city strategies and community initiatives more efficiently, faster and on a larger geographic scale?

SOLUTION



Equip a **wide range** of different **cities** and **municipalities** with the necessary **tools**, **knowledge** and **contacts** to **accelerate** the process of **replicating existing innovative mobility solutions**.



Who? Targeting stakeholders from the quadruple helix



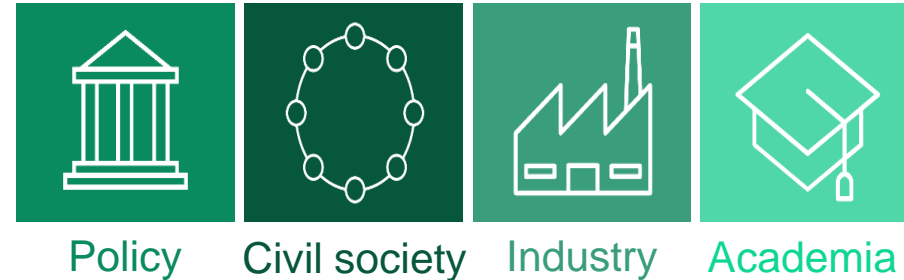
ECOSYSTEM

30+ cities & municipalities from Europe & H2020 countries:

- More than 25 Mio. people
- 16 European countries
- Coverage of 72.5 km²
- 10+ cities going through rapid social & economic change
- Rural, peri-urban & urban cities and areas
- Lighthouse & follower cities



STAKEHOLDERS



1000+ quadruple helix stakeholders



Project partners and overview



10 Partners



9 Countries



32 Months



1.5M€

RECIPROCITY

Greenovate!
EUROPE



**Innovation
acceleration
expertise**

**Mobility
sector
knowledge**

**Experience with
urban mobility
planning**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°101006576

RECIPROCITY benefits



Better, smarter and cleaner mobility for all



Reduced greenhouse gas emissions and better air quality



Prosperity for all regions



Improved local governance and transnational collaboration



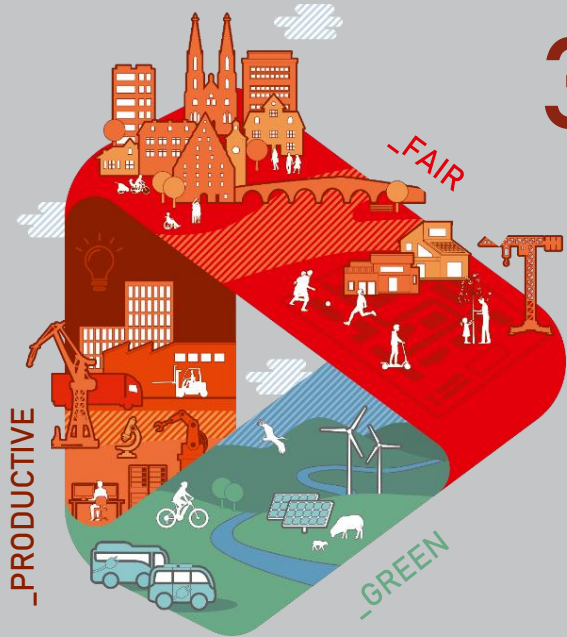
Wide-scale replication despite different backgrounds



Agenda

4 REGENSBURG_NEXT





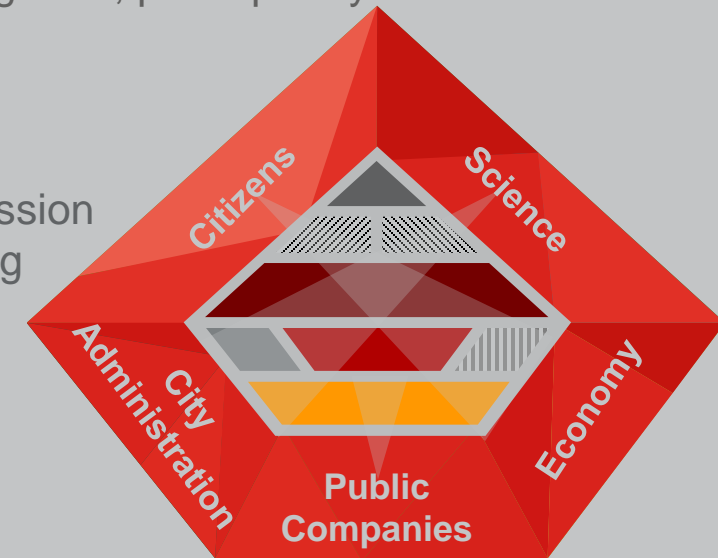
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3

Dimensions for sustainable development: **Fair, Green, Productive**

Basic principles: oriented towards common good, integrated, participatory

Areal levels: district, city, region

Smart City as an urban **cross-sectional** mission of **interdisciplinary cooperation** and strong **networking** as a basis for broad-based **exchange** and **knowledge transfer**



Establishment strategy & participation process

Implementation lighthouse projects

- Digital Energy Twin: Operating energy-efficient housing
- Smart Move: Smart urban mobility and services
- Co-Creative Lab: Collaborative urban innovation
- Virtual world heritage: Digital ways of inclusive cultural experience
- New Horizons Old Town: Rethinking economy and leisure

Phase A

Continued advancement of smart city projects concerning

- urban data and governance
- energy and mobility
- living and culture

Permanent adoption of smart city measures

Phase B

KONTACT



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