



REGIONS & CITIES | **European Week**
 Brussels 7-10 October 2019



gemeente
 Schiedam

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#EURegionsWeek



Regions and cities, pillars of the EU's future





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Medium-sized cities as drivers for a greener Europe



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your host



Cor Lamers
Mayor of Schiedam

your moderator



Carol Thomas
CEMR



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OUR KEYNOTE SPEAKERS

1. **Stephan Barthel** associate professor at University of Gävle
2. **Cor Lamers** mayor of Schiedam, president ENVE Committee COR, vice-president Eurotowns
3. **Martin Hückeler** manager for European Affairs and for Funding of Solingen
4. **Maria Mercedes Teixidor** head of Mobility department of Girona
5. **Iolanda Repullo** head of Business Support of Sabadell



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Before we start: **YES or NO ?**

1. Citizens today are more pro-active in waste reduction than 20 years ago
2. For solutions we should focus on industries rather than citizens
3. Technological innovations are more effective drivers than behavioural change



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Smart City Citizens

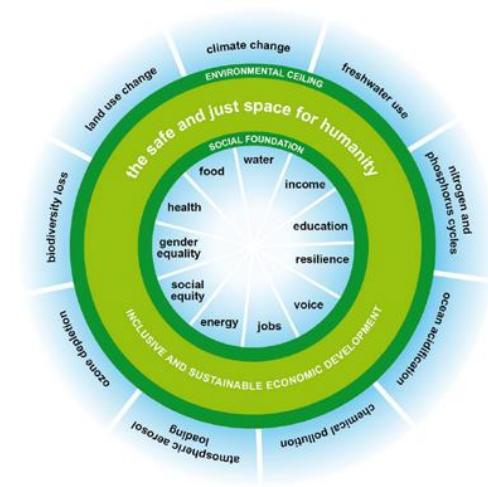
-Resilience of medium sized cities during global environmental change and the digital revolution



Associate Professor Stephan Barthel, University of Gävle, Sweden

(<https://hig.se/urbanstudio>)

Three filters on Urban Development:
1) Climate crises, 2) Digitalization and
3) Social Sustainability



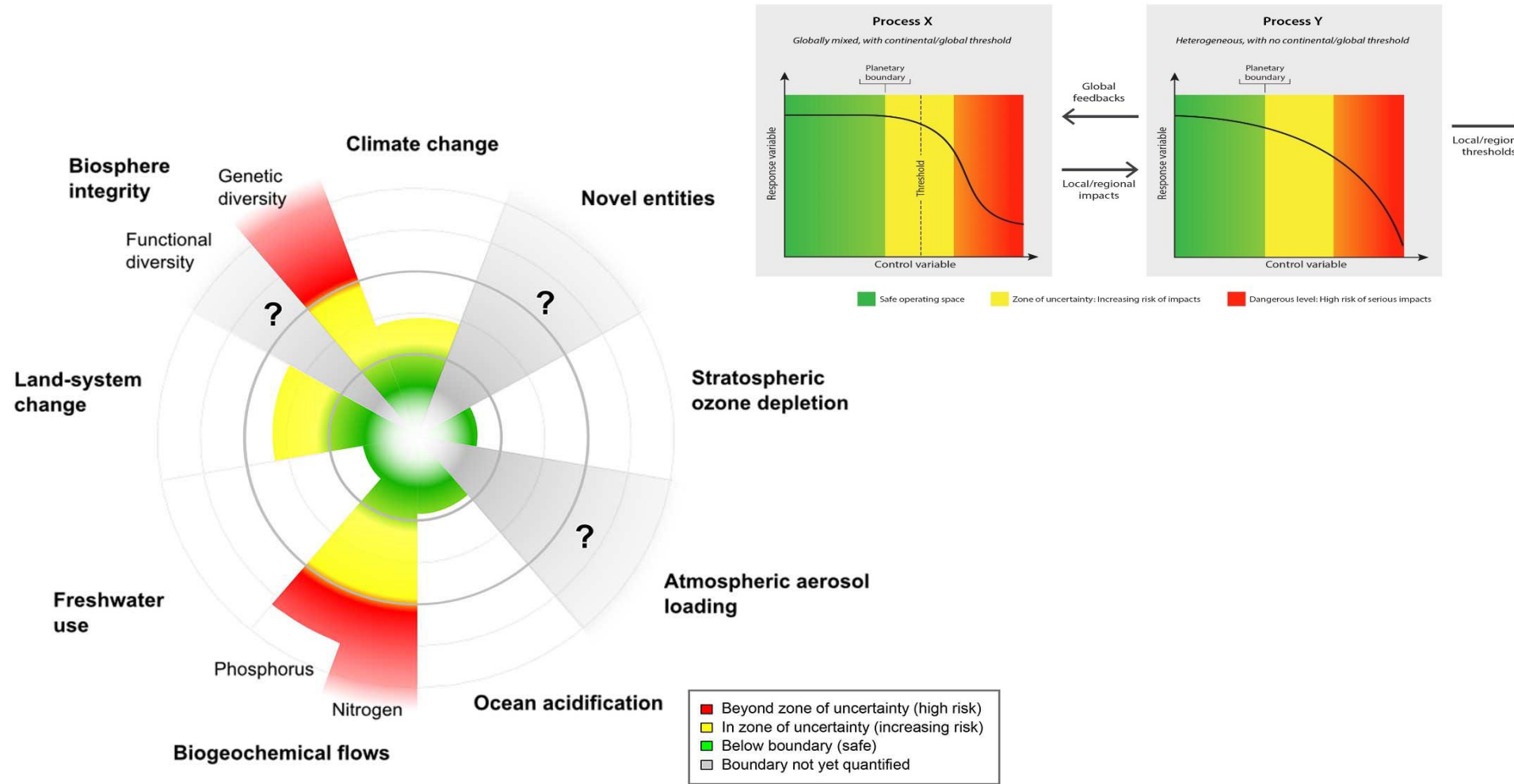
Urban Resilience

-The buffer capacity to absorb disturbance and continue develop



Shifting Planetary Boundaries

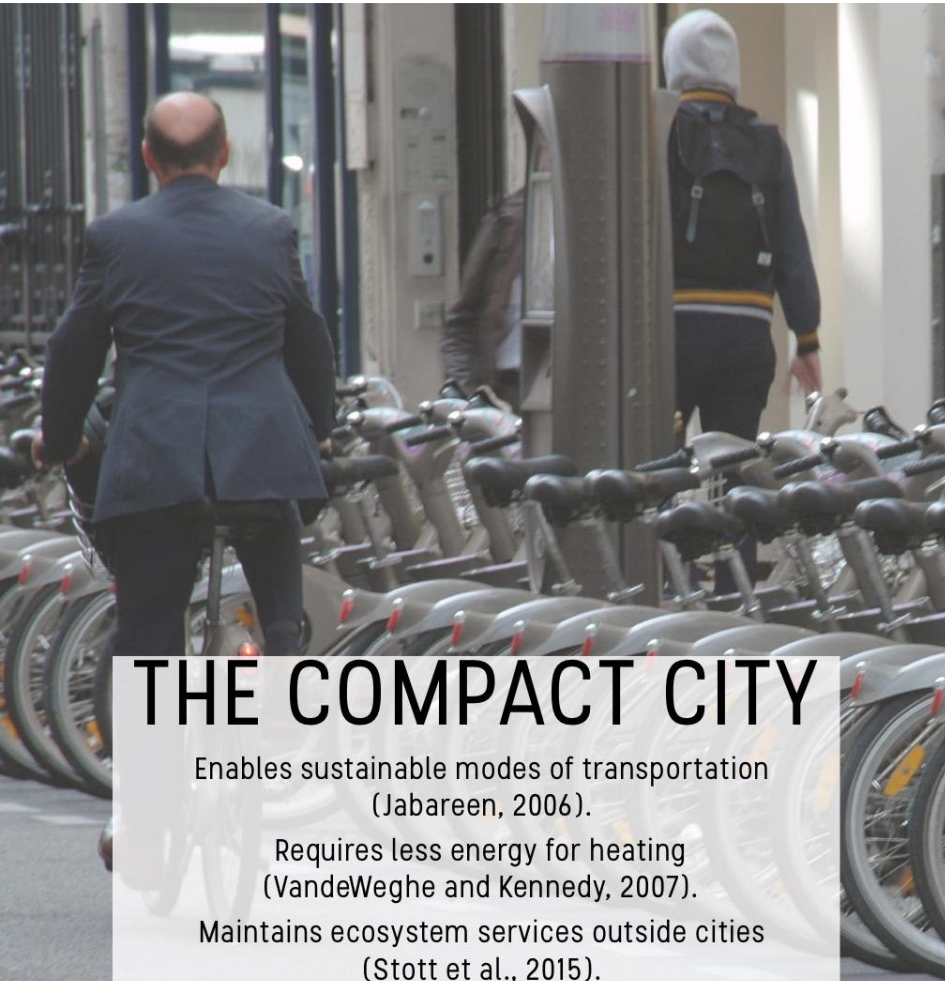
-Enormous challenge



Källa: Steffen et al. (2015). Planetary boundaries – Guiding human development on a changing planet

Conflicting Spatial Paradigm

-Mitigation vs. Adaptation to the Climate Crises

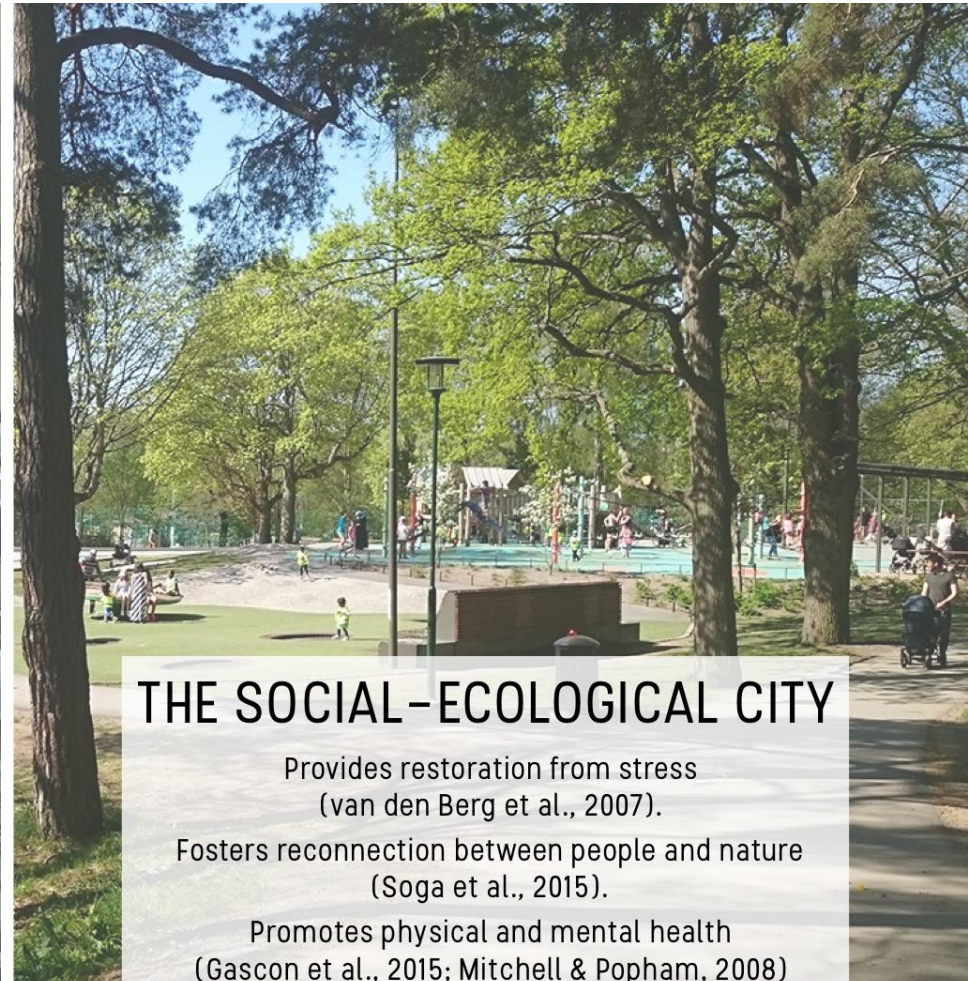


THE COMPACT CITY

Enables sustainable modes of transportation
(Jabareen, 2006).

Requires less energy for heating
(VandeWeghe and Kennedy, 2007).

Maintains ecosystem services outside cities
(Stott et al., 2015).



THE SOCIAL-ECOLOGICAL CITY

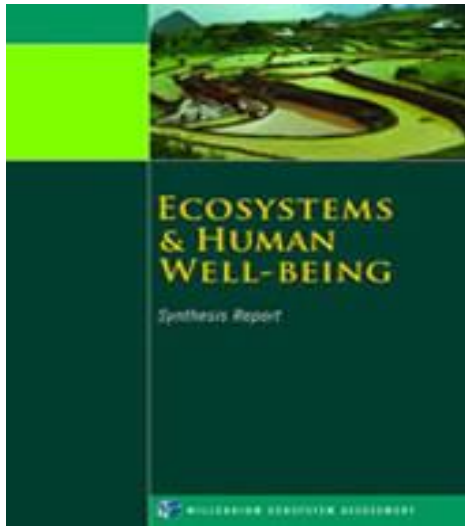
Provides restoration from stress
(van den Berg et al., 2007).

Fosters reconnection between people and nature
(Soga et al., 2015).

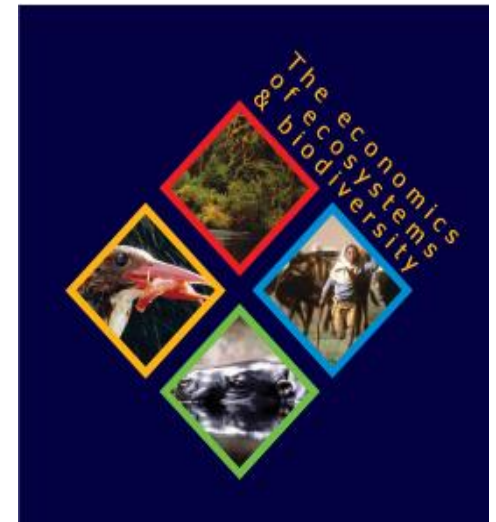
Promotes physical and mental health
(Gascon et al., 2015; Mitchell & Popham, 2008)

Nature, wellbeing and resilience

-Nature based solutions and ecosystem services



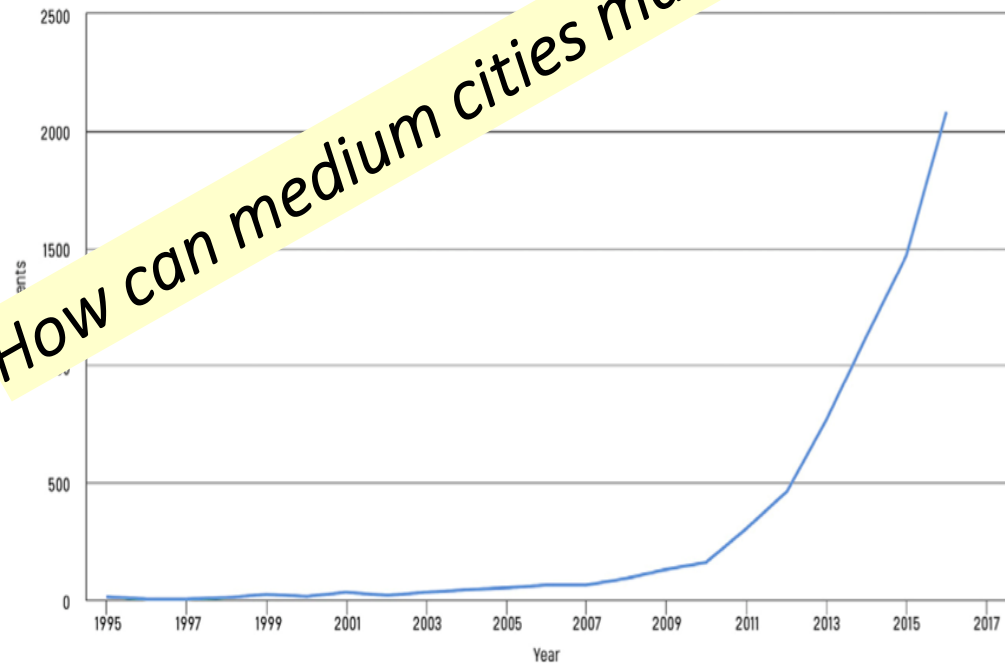
Grönområden bidrar till att rena luft och sänka temperaturen i staden.



Boom of Smart (digital) City Model

- c. 8000 scientific publications by 2018

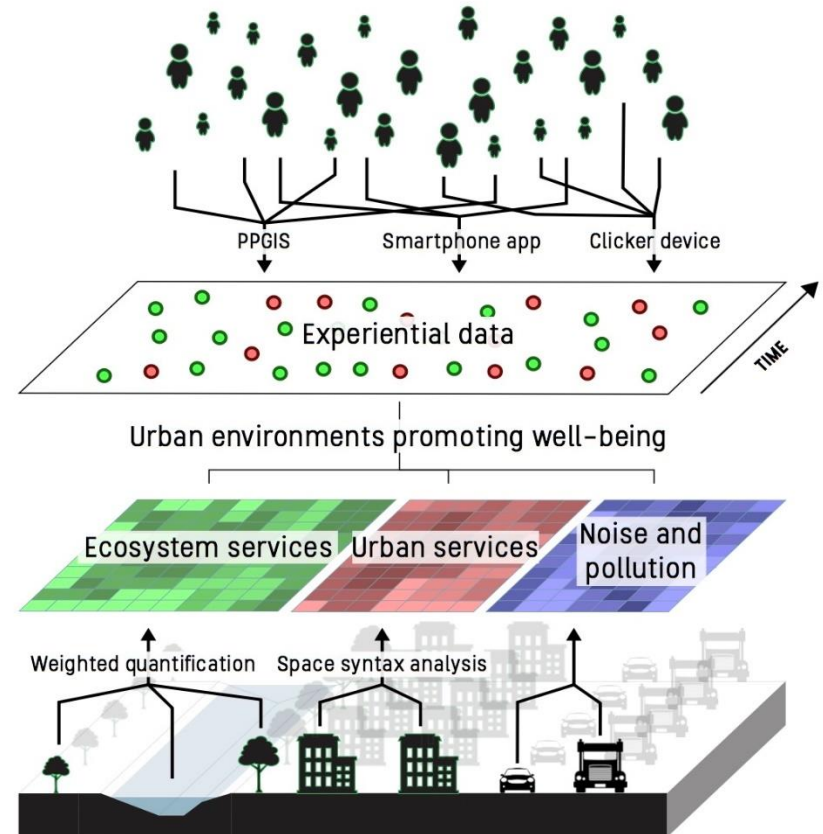
How can medium cities make sense of it?



er the development of publications on "smart city"/"smart cities" as provided from the Scopus database. Source: modified from Scopus

Navigating the Smart City Tsunami

-Utilize digitalization for improving wellbeing for residents



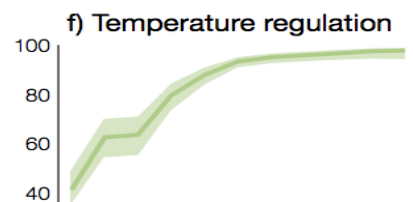
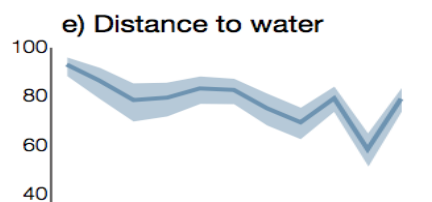
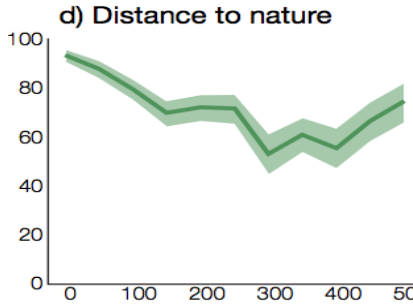
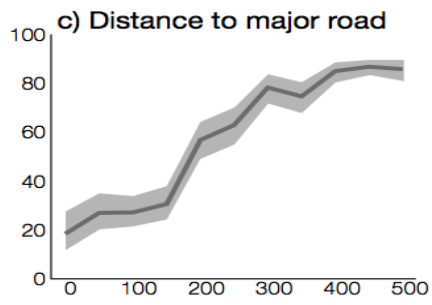
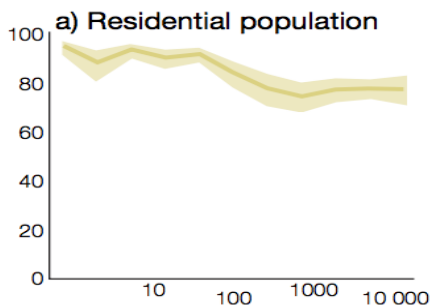


ELSEVIER

Research Paper

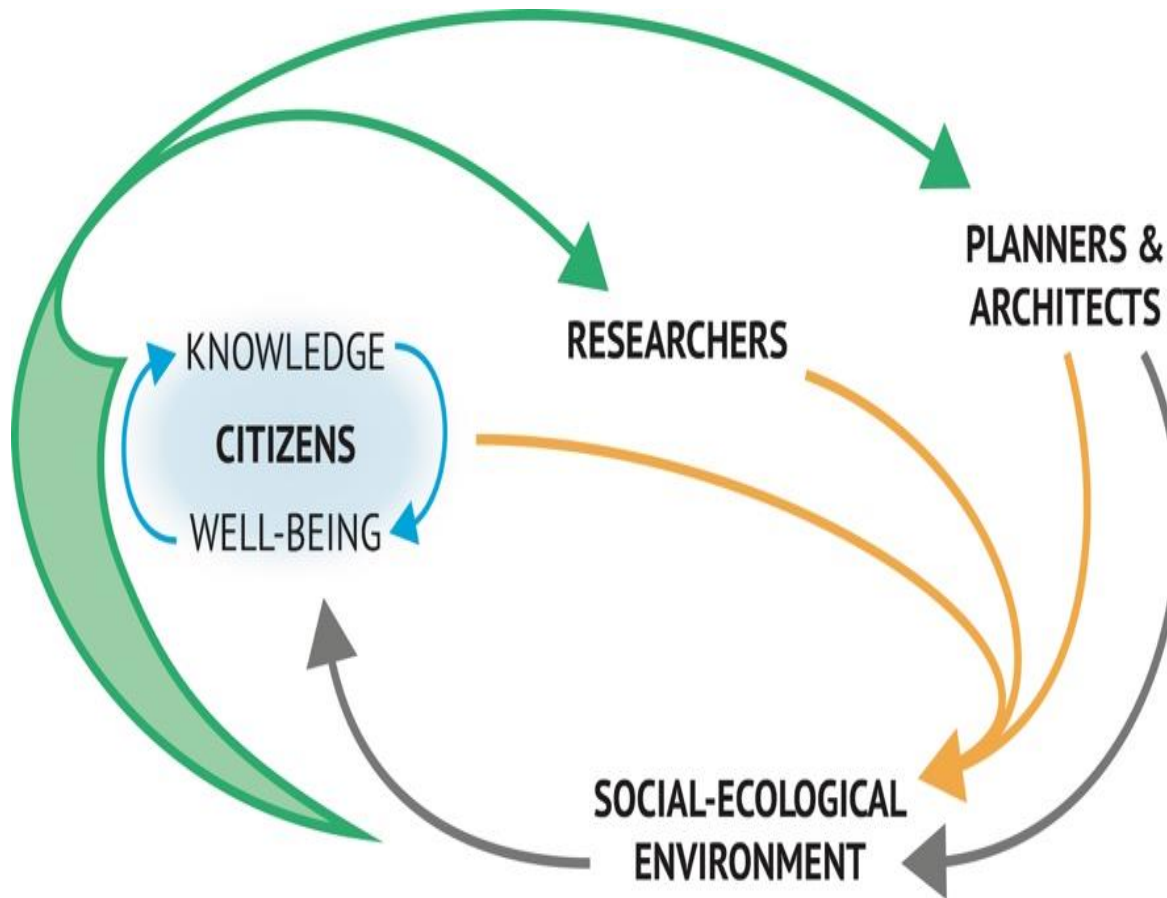
Impact of environment on people's everyday experiences in Stockholm

Karl Samuelsson^{a,*}, Matteo Giusti^b, Garry D. Peterson^b, Ann Legeby^c, S. Anders Brandt^a,
Stephan Barthel^{a,b}



Smart citizens: participation in design

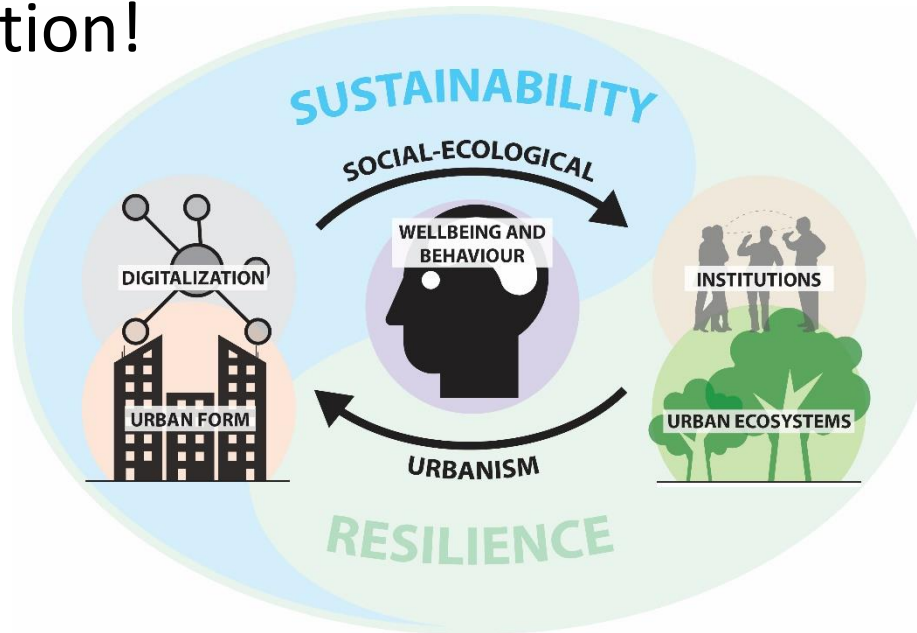
-digital tools fostering urban social sustainability

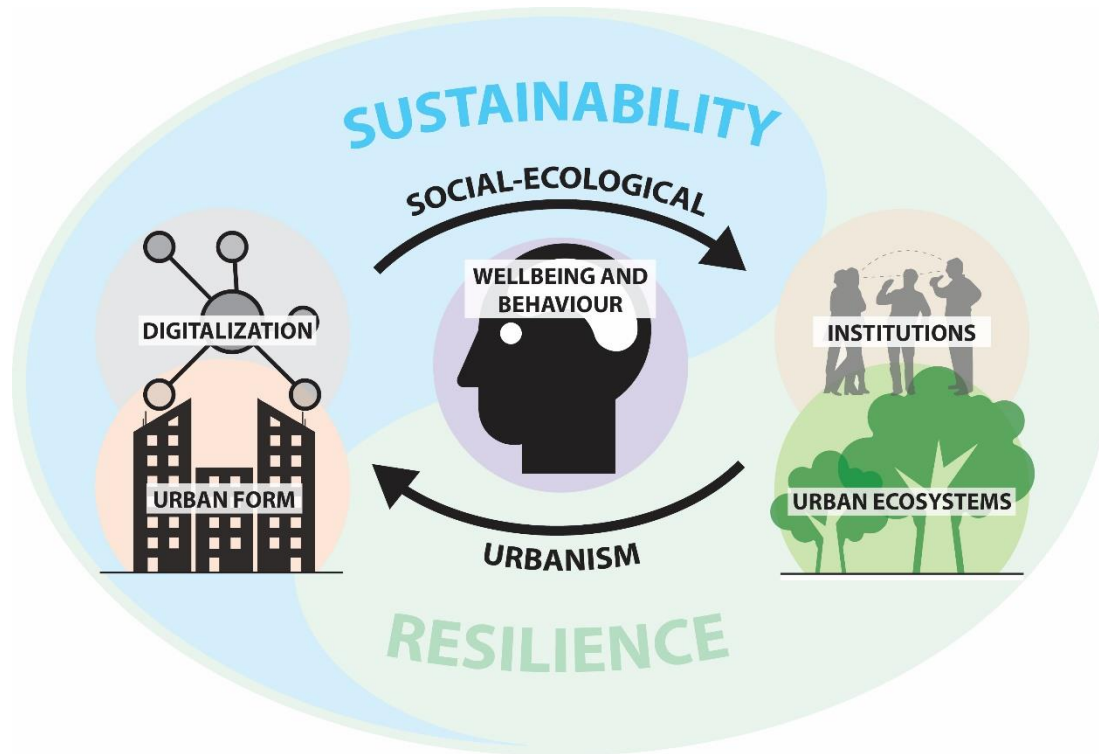


Linking solutions for Climate crises, digitalization and social sustainability

-Advantage of medium sized cities

Smaller size means potential for a more holistic
transformation!





<https://hig.se/urbanstudio>

Thanks for your attention!



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EU Environment Action Programme and the local level

Cor Lamers, Mayor of Schiedam, president ENVE Committee CoR



The start of the European adventure

A personal story: how to achieve of air quality

- Mayor of Houten
- People move from Utrecht to Houten with the illusion to find better air quality

Air quality can only be improved:

- with legislation and source based policies on the European level
- with a multilevel and integrated approach



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Active on European level



**European Committee
of the Regions**



Local & Regional Europe
L'Europe locale & régionale

eurotowns 



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EU Environmental Action Programs in a nutshell

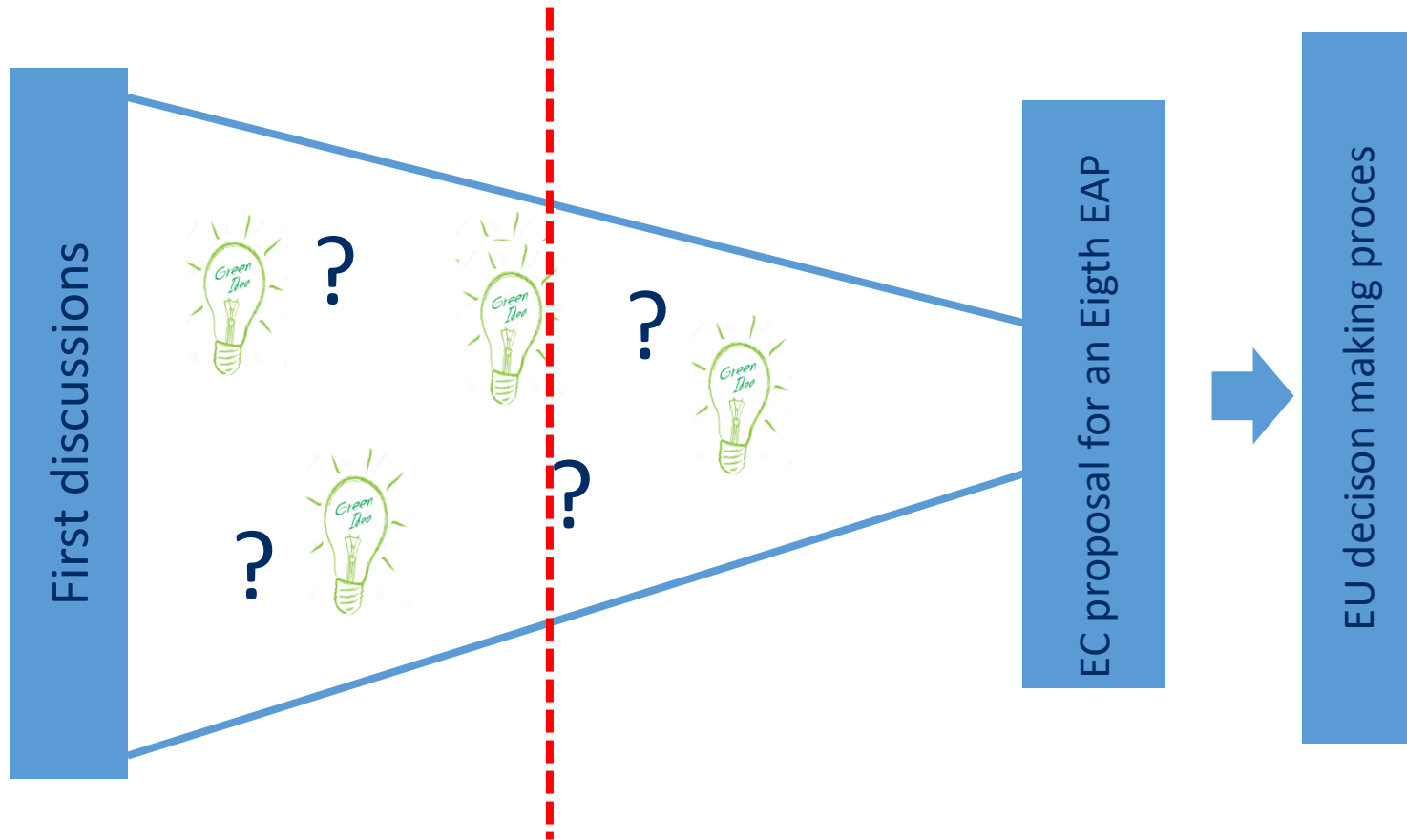
- Since the mid-seventies EU environmental policy has been guided by action programs
- The EAPs define priority objectives to be achieved within a period of years.
- The current and seventh EAP is being evaluated.
- The European Commission currently works on the 8th EAP



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Where are we in the process





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It is not helping if we keep walking in the same direction,
perhaps we should find another route!





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New scope

- From problems (states and impacts)
- To reasons (drivers and pressures)
- And solutions (responses)
- This requires a different line of thinking





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The 8th EAP should be based on a practical integrated approach:

- To support implementation
- To create space for further innovation
- To support transition policies
- To stimulate and inspire cities and regions to take further steps

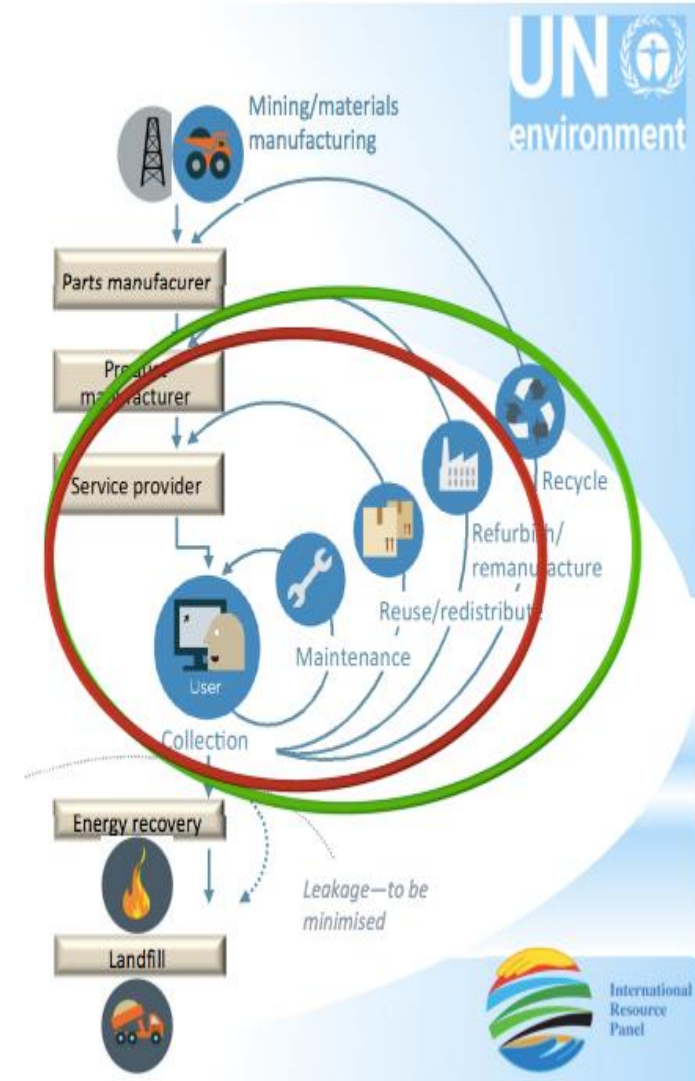


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Transition policies

- Circular economy
- Energy transition
- Mobility transition
- Food transition
- Transitions in living area's





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Schiedam – an example of a medium-sized city





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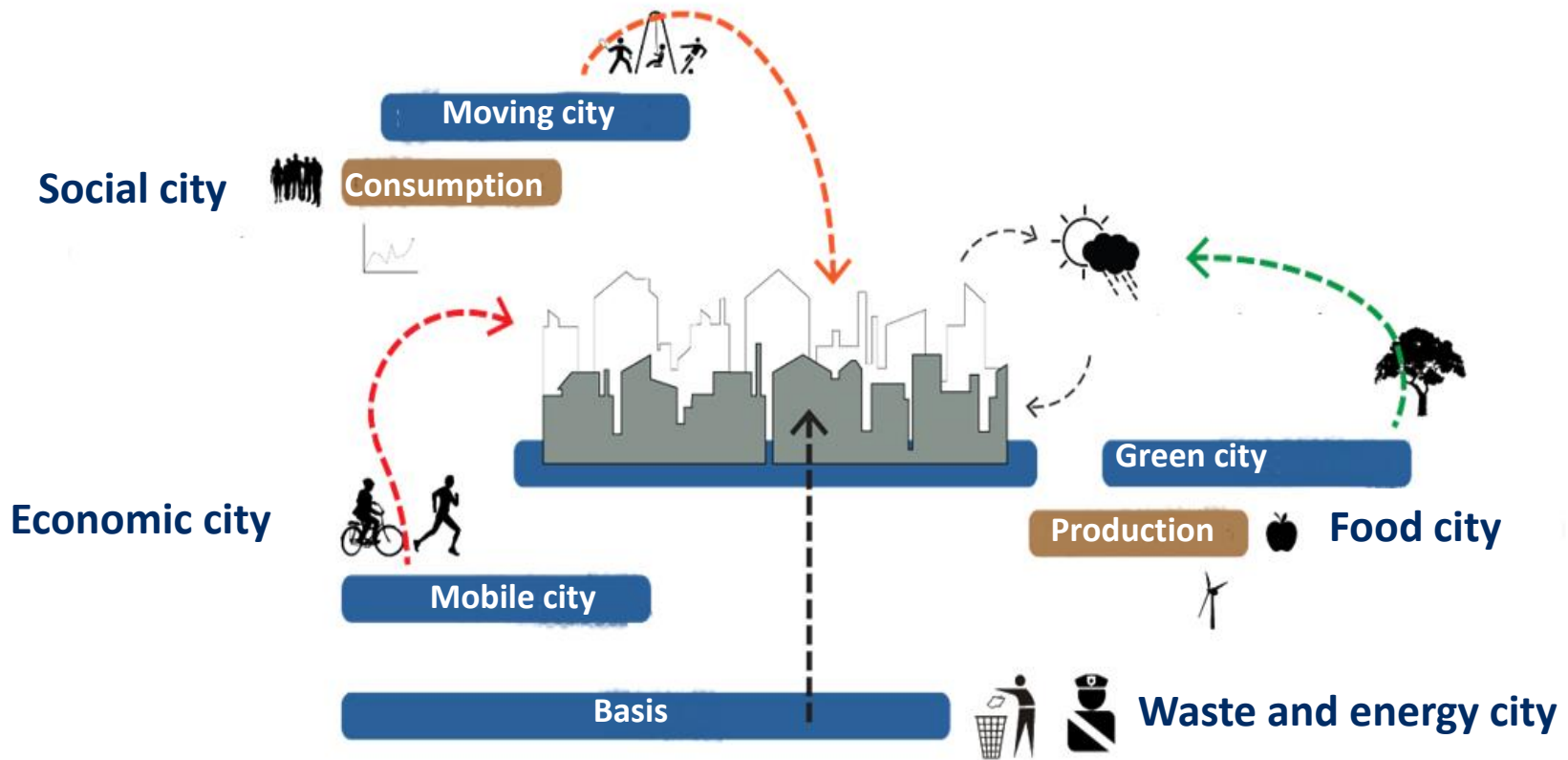




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Healthy urban living approach





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**The central theme of the Eighth EAP should be healthy
living for all (people, nature and planet)**

It should result into

**healthy and prosperous urban areas
a healthy vibrant countryside
attractive and safe coastal and mountainous areas**

THANK YOU!



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Medium sized cities as drivers for a greener Europe

The Sustainability Strategy in Solingen

Martin Hückeler



Solingen



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Overview of the structure:

- Short introduction of Solingen
- Sustainable Strategy Solingen
 - Process
 - Work structure
 - 6 prioritised topics
 - Example „Global responsibility ..“
- Sustainability assessment
- Conclusions
- Outlook on concrete „green“ measures





Solingen

- Autonomous city next to Cologne and Düsseldorf in North-Rhine Westphalia
- 162.000 inhabitants from about 130 nations
- Main industries: blade and cutlery manufacturing („City of blades“), automotive supply industry and engineering, galvanic and metal working industry
- Many years of experience in sustainability projects, campaigns and concepts

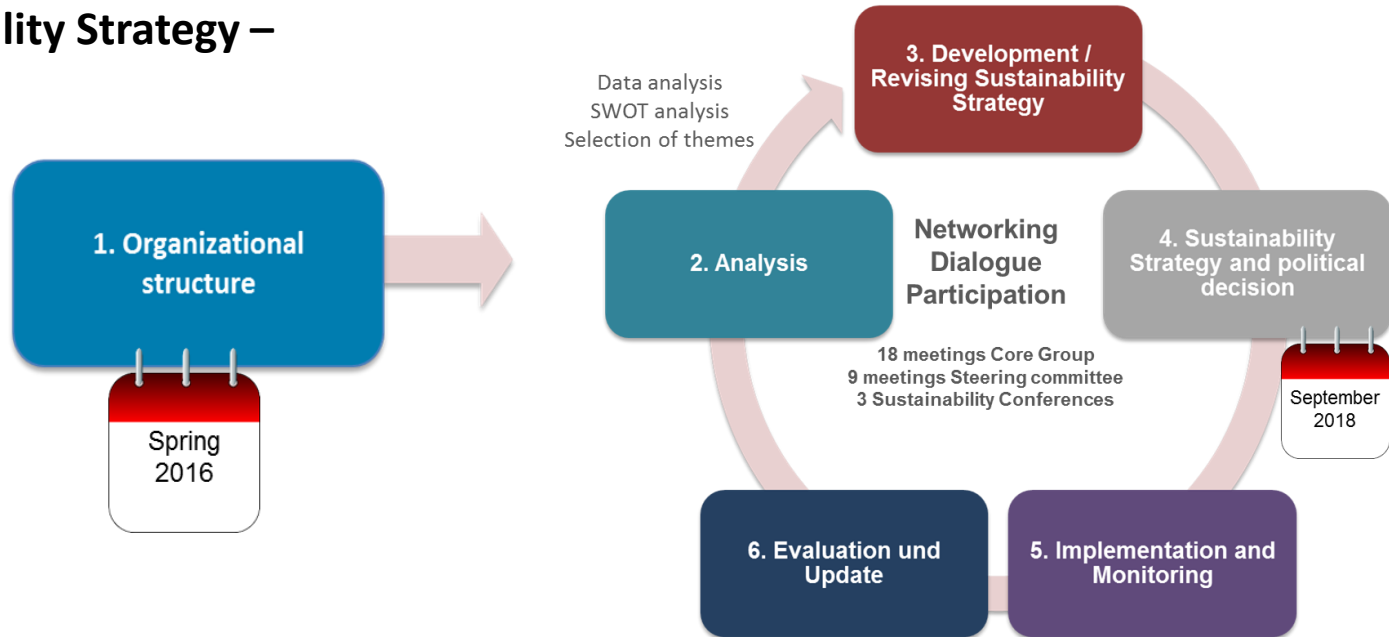




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Sustainability Strategy – The Process



SWOT analyses and indicators as a basis for 6 prioritised topics:



Social
Participation



Natural
resources &
environment



Climate &
Energy



Mobility



Jobs &
economy



Global
responsibility
& One World

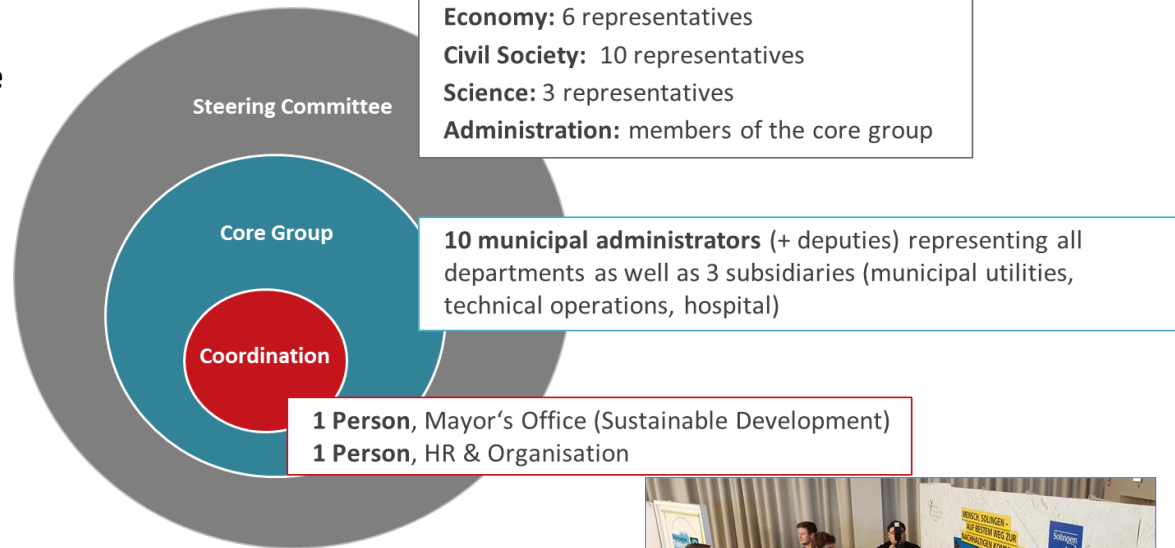


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Sustainability Strategy – Work and organisational structure

Mutual cooperation between Core Group and Steering Committee based on varied dialogue processes and sustainability conferences



Sustainability Conferences:

- a crucial approach in the process
- participation of several hundred citizens in 3 conferences
- to be involved in
 - definition of targets
 - definition of projects
 - definition of action plan and next steps

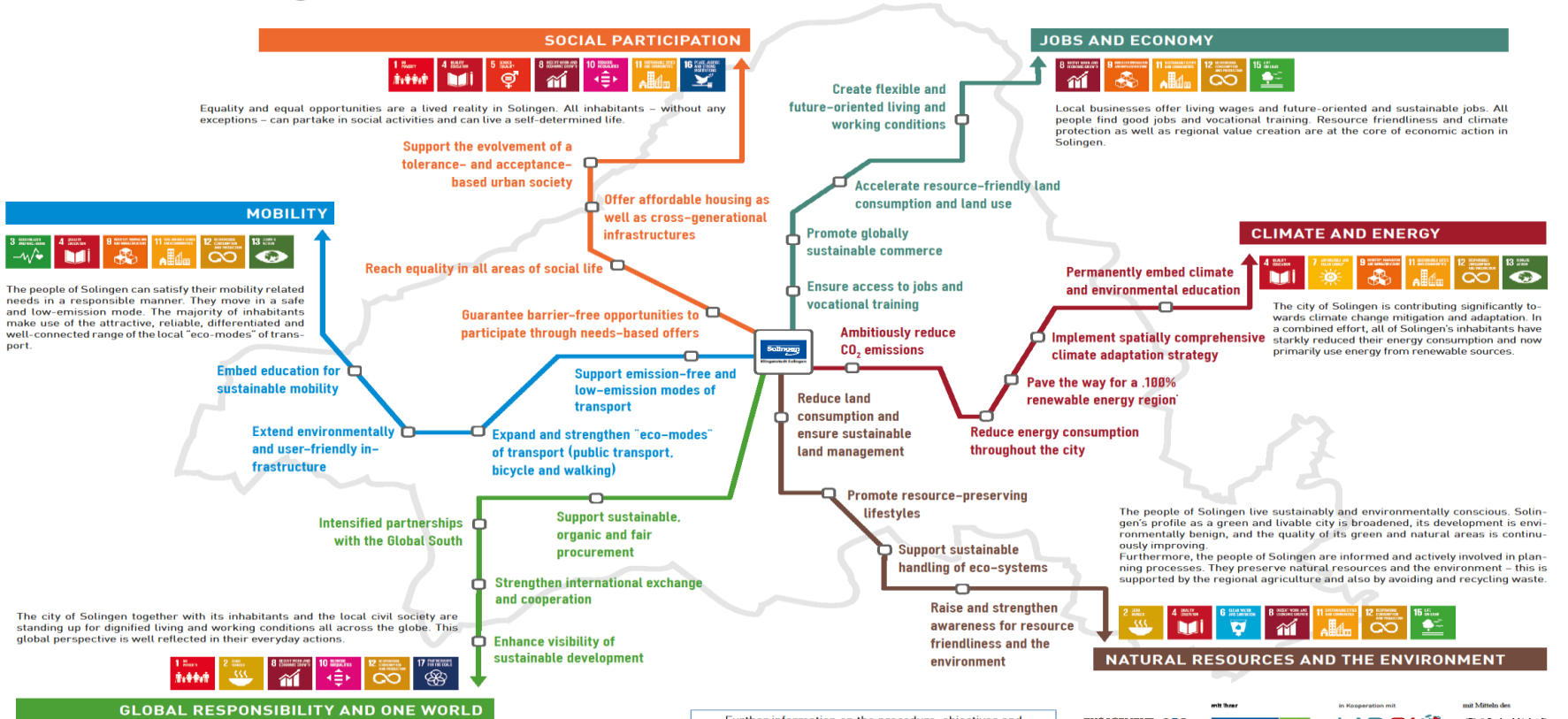




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Sustainability Strategy of Solingen Guidelines and goals



Further information on the procedure, objectives and measures: www.nachhaltigkeit.solingen.de





Target levels of
the strategy

general



specific /
concrete

Global responsibility and One World - Example

Thematic guideline: The city of Solingen together with all of its citizens and the local civil society are standing up for dignified living and working conditions all across the globe. This global perspective is well reflected in their everyday actions.

1. Strategic target: Support sustainable, organic and fair procurement

1.1 Operational target: Expand fair, ecological and regional procurement in administration and pilot companies

In 2023, the city of Solingen is procuring all products from the Global South based on Fair Trade and organic criteria (if available).

In 2023, the city administration covers all of its food demand from environmentally benign and regional sources (if available).

Until 2023 at least 30 pilot companies have started to implement organic and fair procurement (minimum 5 organic and fair products from the Global South as well as 5 organic products from regional sources).

1.2 Operational target: Increase supply and demand for eco-fair products in the retail and catering trade

By 2023, 70% of all grocery stores in Solingen offer a fair trade, organic certified or regional assortment of goods.

In 2023, 20 restaurants will be using both regional and local food as well as fairly traded and certified organic products.

The city of Solingen will be regularly certified as Fairtrade Town from 2018. Together with the retail trade, hotels and restaurants as well as other companies (production / service) it is expanding the program to promote eco-fair consumption.

Activities / projects (samples):

- Campaign for an incremental transformation towards sustainable public procurement
- Strategy „Sustainable Procurement in Solingen“
- City-wide action plan „Organic-Fair-Shopping & Retail“



Sustainability Assessment:

| A | B | C | D | E | F | G | | |
|---|---|--|---|---|---|-------------------------|--|--|
| Globale Verantwortung und Eine Welt | | | | | | | | |
| Strategische Ziele | | Operative Ziele | | | | bitte ein "x" eintragen | | |
| 1 Nachhaltige, öko-faire Beschaffung fördern | 1.1 | Faire, ökologische und regionale Beschaffung in Verwaltung und Pilotunternehmen ausbauen | | | | | | |
| | | 1.2 | Angebot und Nachfrage für öko-faire Produkte bei Einzelhandel und Gastronomie erhöhen | | | | | |
| | | | Weitere Auswirkungen auf das Erreichen des strategischen Ziels 1, die über 1.1 bis 1.2 hinaus gehen | | | | | |
| 2 Partnerschaften mit Ländern des Globalen Südens festigen | 2.1 | Kommunale Entwicklungspartnerschaft mit den Partnerkommunen voranbringen | | | | | | |
| | | 2.2 | Engagement von Unternehmen für entwicklungspolitische Zusammenarbeit nutzen | | | | | |
| | Weitere Auswirkungen auf das Erreichen des strategischen Ziels 2, die über 2.1 bis 2.2 hinaus gehen | | | | | | | |
| 3 Internationalen Austausch und Zusammenarbeit stärken | 3.1 | Lokale und internationale Zusammenarbeit und Netzwerke stärken | | | | | | |
| | | 3.2 | Zivilgesellschaftliche internationale Projektarbeit insbesondere junger Menschen ausbauen | | | | | |
| | Weitere Auswirkungen auf das Erreichen des strategischen Ziels 3, die über 3.1 bis 3.2 hinaus gehen | | | | | | | |
| 4 Nachhaltige Entwicklung erkennbar und erlebbar machen | 4.1 | Global verantwortliches Handeln in Kindergärten, Schulen, bei Ausbildung und Personalentwicklung verankern | | | | | | |
| | | 4.2 | Experimentier- und Lernorte für Nachhaltigkeit und Lebensqualität schaffen | | | | | |
| | Weitere Auswirkungen auf das Erreichen des strategischen Ziels 4, die über 4.1 bis 4.2 hinaus gehen | | | | | | | |

Weiteres Vorgehen

Alle ausgewählten Ziele werden **automatisch in die Tabelle „Zusammenfassung“** übertragen.

Bitte gehen Sie auf den **Tabellenreiter“ „Zusammenfassung“**.

1. Dort gehen Sie zunächst auf den gelben Schalter „Zusammenfassen“. Damit wird die Gesamttabelle auf die ausgewählten Ziele gekürzt.

2. Mit dem grauen bzw. orangenen Schalter wählen sie aus, ob die Tabelle in Graustufen oder in Farbe in die Beschluss-



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Sustainability Assessment:

What we want to achieve:

- the results of the short check are presented in the draft resolution in the newly introduced subsection "6. Impact on the objectives of the Sustainability Strategy"
 - In a tabular overview, the affected targets are displayed there (with short titles)
 - An overall assessment follows as a short summary text

- short check to derive an overall assessment whether the content of this proposal / resolution is based on the goals of the sustainability strategy impact.

- Decision reasons for pro and contra aspects should be comprehensible

- Make sure that the SDGs are already considered at the beginning of the considerations





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Conclusions:

- Translating the SDGs into municipal actions leads up to significant organizational and content-regarded development of the Sustainability Strategy in Solingen
- Guidelines and targets show a clear picture of a locally and globally sustainable Solingen
- Ambitious and smart operational goals as the main levers of further actions
- Action plan links existing activities with future development plans
- Organizational process allows extensive involvement / participation of numerous actors from civil society, economy and science
- The City Council has recognized the significance of the strategy and extensively discussed it in its body and adopted it with small modifications
- Regardless of political changes in the City Council, the administration now has an authorized working basis until 2030



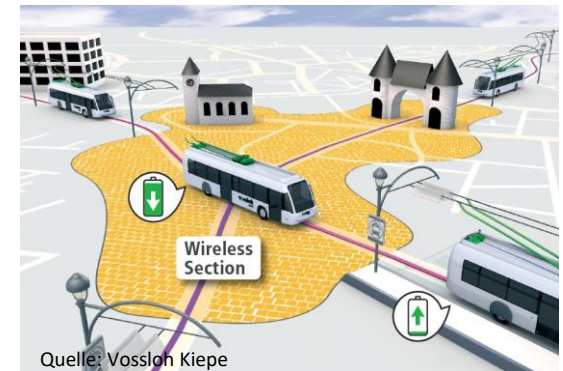


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- **Outlook on concrete „green“ measures:**

- Solingen has become Fairtrade-Town
- Operational Mobility Management for the City of Solingen
- The battery trolleybus for even more CO2 neutrality
 - in public transport
- Expansion and intelligent control of the modal split
 - through digitization
- Restoration of natural habitats
- Measures against forest dying
-
-
- EUROTOWNS new Task Team “Global Goals”



- **Thank you for your attention!**

- Contact:
 - City of Solingen
- Martin Hückeler – Manager for European Affairs and for Funding
 - Walter-Scheel-Platz 1, 42651 Solingen



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School Chance

SCHOOL mobility CHALLENGE in regional poliCiEs

Maria Mercedes Texeidor - Girona



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School Chance
Interreg Europe

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Incorporate children's independent mobility in regional and cities policies

School traffic

15%

of the total traffic at urban level traffic

Kids driven to school

30-60 %

Depending on country and school level

Schools have a important role in reducing emissions

Changing mobility behaviour of school children



Today's emissions



Next generations mind-set towards sustainability





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Interreg Europe

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Incorporate children's independent mobility in regional and cities policies **around 4 policy themes**

Infrastructure



**Education and
awareness
raising**

**Organisation
and information**



Communication



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Why?



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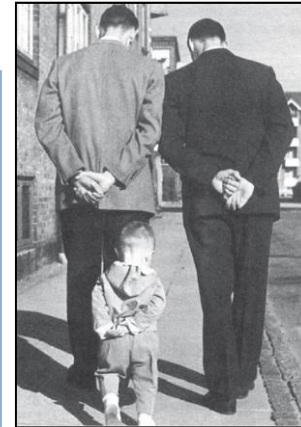
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Because ...

1. Creation of habit: Repetition of acts



Unconscious
Forced
Wilfully
.....



2. Meaning: Which purpose has that habit?



Family

School

City

Others

Regional & cities policies



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www.interregeurope.eu/schoolchance



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Socis del projecte

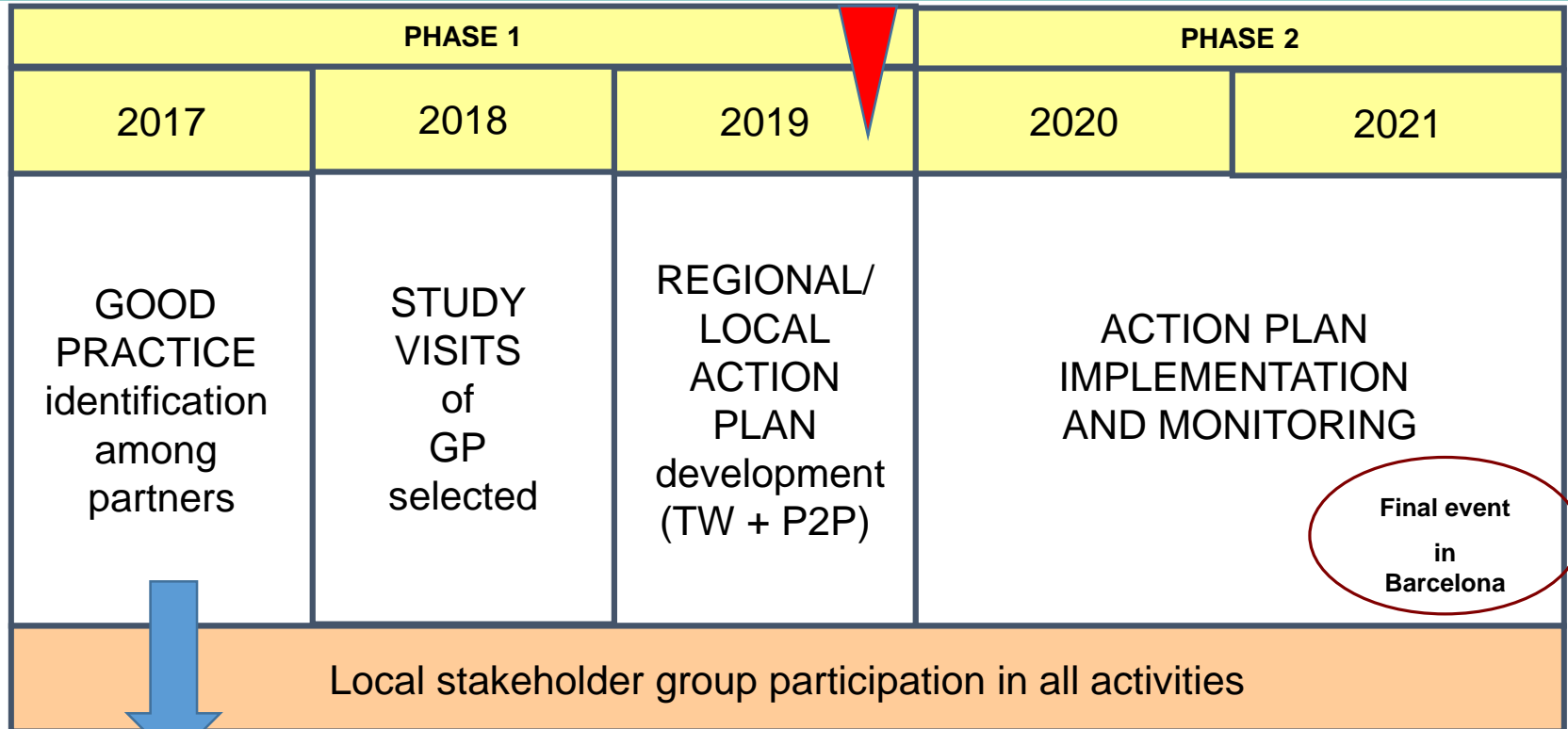
- Ajuntament de Girona (ES) – *soci líder*
- Municipality of Reggio Emilia (IT)
- Austrian Mobility Research FGM-AMOR, Graz (AT)
- Generalitat de Catalunya (ES)
- Ciutat d'Utrecht (NL)
- Ajuntament de Gävle (SE)
- Ciutat de Gdansk (PL)
- Brasov Metropolitan Agency for Sustainable Development (RO)

7 partners from 8 countries



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Policy Learning Platform

Regions and cities





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Connect with good practice owners from Interreg Europe projects and beyond.

Keyword search


Themes

- Research and innovation
- SME competitiveness
- ✓ Low-carbon economy
- Environment and resource efficiency

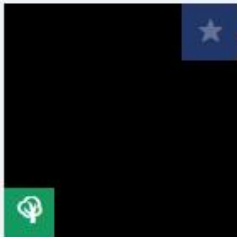
Countries/regions

Netherlands (Nederland)

Utrecht



Cycling exam - Cycle training in real traffic situation
Every year the practical road exam on the bicycle, it is tested ...
Location: Utrecht, Netherlands (Nederland)



Utrecht Road Safety Label and School Zones
The Utrecht Road Safety Label (UVL) is the hallmark (a quality ...
Location: Utrecht, Netherlands (Nederland)



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School Chance GP: School Mobility Managers Network



City of Reggio Emilia



Main contact point in the school
for the mobility policies



First School Mobility manager in
Girona. December 2018



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School Chance GP: Cycling exam - Cycle training in real traffic situation

1. Practical and a theoretical training



Utrecht



2. Cycling exam

8 signed routes 4-5 km





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School Chance GP: Cycling May

Children, parents & staff are asked to make their journey to school in an active way in May

All active participants are rewarded !

Gdansk





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If you need a simple & powerful way to make your city greener?

Have a go with ...




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Interreg Europe



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M. Mercedes Teixidor
Head of Mobility department
Municipality of Girona
Spain
mteixidor@ajgirona.cat



School Chance team

Girona, Kick-off meeting 28th February 2017



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Industrial Symbiosis in Sabadell: a medium-sized city experience fostering a greener Europe through more sustainable industrial areas

Iolanda Repullo, Head of Business Support, Sabadell



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- Enough dimension to have relevant impact.
- Chance to keep close and thus gain trust and cohesion among the necessary stakeholders.
- Decision on 2014 for a supramunicipal project on industrial symbiosis.
- Industrial areas as a key element of wealth and job creation as well as the production of industrial waste: critical in terms of city's sustainability.
- Project building on assets of being a medium-sized city plus all the work done since 2008 connecting with industrial companies.



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Actions

- Identification of companies, activities and generated waste.











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- Data processing and identification of possible synergies.

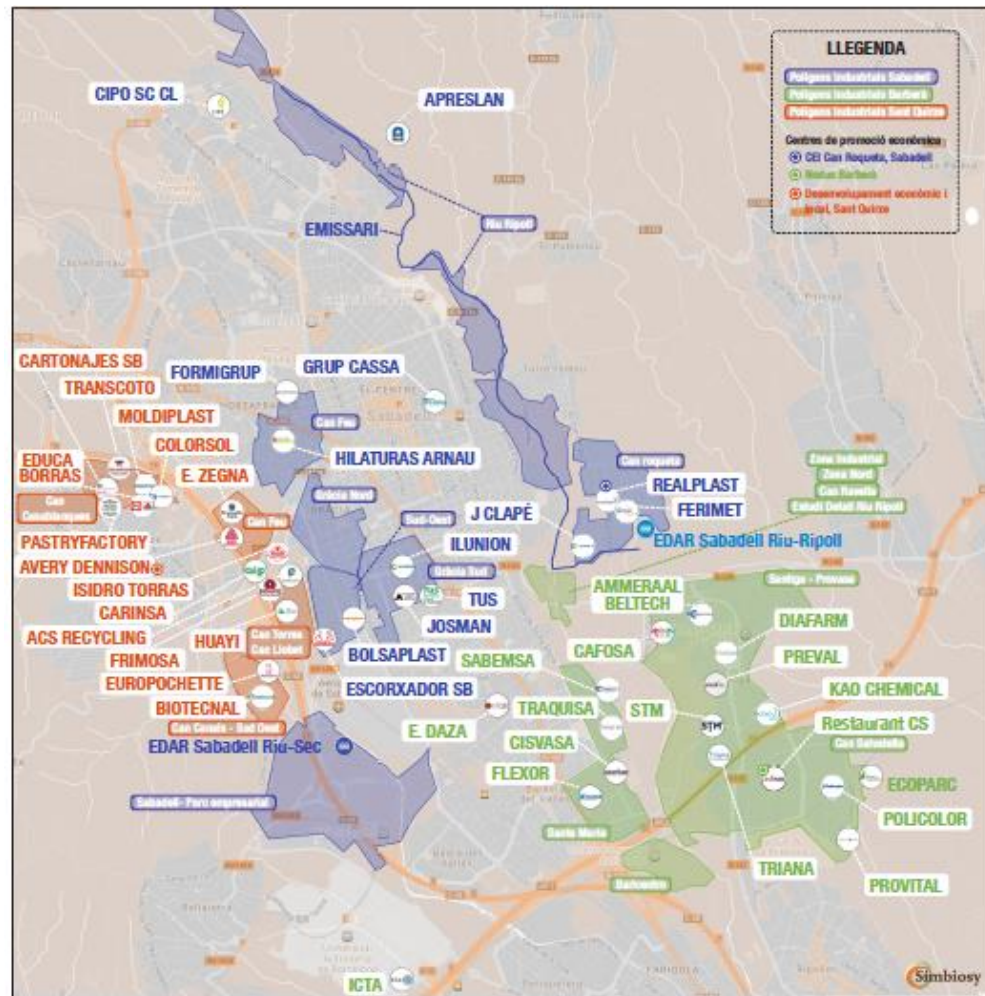
-  **1** RECOVERY OF WASTE WATERS
-  **2** RECOVERY OF PLASTICS
-  **3** MANCOMUNATED ORGANIC WASTE MANAGEMENT COMING FROM COMPANIES CANTEENS
-  **4** BIOGAS PRODUCTION
-  **5** PREPARATION FOR THE RE-USE OF WASTE MATERIALS (ADAPTATION OF MACHINERY AND PROCESSES)
-  **6** REDUCTION OF VALORIZATION OF PACKAGING
-  **7** IMPROVE THE VALORIZATION OF METAL MATERIALS
-  **8** IMPROVE RECYCLING (LIFE CYCLE) OF OILS, FILTERS AND BATTERIES
-  **9** CLOSE UP THE VALUE CHAIN OF TEXTILE INDUSTRY



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- Mapping opportunities and linkages among institutions.





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Results

220 COMPANY VISITS



45 PERSONALIZED SUPPORT ACTIONS

21 BEST PRACTICES INFOGRAPHICS

SIMBIOSJ INDUSTRIAL
INICIATIVA TÈCNICA I EMPRESARIAL

FORMIGRUP

À què se dedica FORMIGRUP?

- FORMIGRUP està formatat per les empreses Formigres Mètric, i Grues Cases i Grues Cases.
- Oferim serveis tècnics i comercials, anomenats: CE.
- Oferim serveis tècnics i comercials, anomenats: CE.
- Oferim serveis tècnics i comercials, anomenats: CE.

RECURSOS D'ENTRADA

- Màquina de treball
- Màquina de treball
- Màquina de treball

RECURSOS DE SORTIDA

- Màquina de treball
- Màquina de treball
- Màquina de treball

SIMBIOSJ INDUSTRIAL
FORMIGRUP té la capacitat empresarial per intervenir en el sector de la construcció de la construcció

EN IMPORTANCIA

- Màquina de treball
- Màquina de treball
- Màquina de treball

NOVES LÍNIES DE TREBALL

- Màquina de treball
- Màquina de treball
- Màquina de treball



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Key factors of the process

- Gaining trust and loyalty.
- Sharing information.
- Raising group awareness.
- Public administration becoming a facilitator.
- Consolidating the specific strategy of circular economy.
- Producing communication products and best practices.





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Impacts

For companies...

- Reduction of operating and production costs between the treatment and recovery of waste.
- Efficiency and increase in the production.
- Attraction of private investment and new products.
- Development of new sustainable projects among companies.





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For the environment...

- Decreased demand for natural resources.
- Pollution decrease.
- Decreased demand to rubbish dumps.



For the society...

- Creation of new job places.
- Pollution reduction and its related diseases.



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Thank you for your attention!

More info

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YES or NO ?

1. Citizens today are more pro-active in waste reduction than 20 years ago
2. For solutions we should focus on industries rather than citizens
3. Technological innovations are more effective drivers than behavioural change



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THANK YOU!



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