



IURC Annual Event 2021 – Ecological Transition and Green Deal

- Moderators: David Calvo & Susana Arellano (IURC NA)
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Ecological Transition & Green Deal



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Implementing the Green Transition - A Baltic Sea Region Perspective

By Jerker Johnson

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Regional Council
of Ostrobothnia

The Club of Rome on our future

Two scenarios:

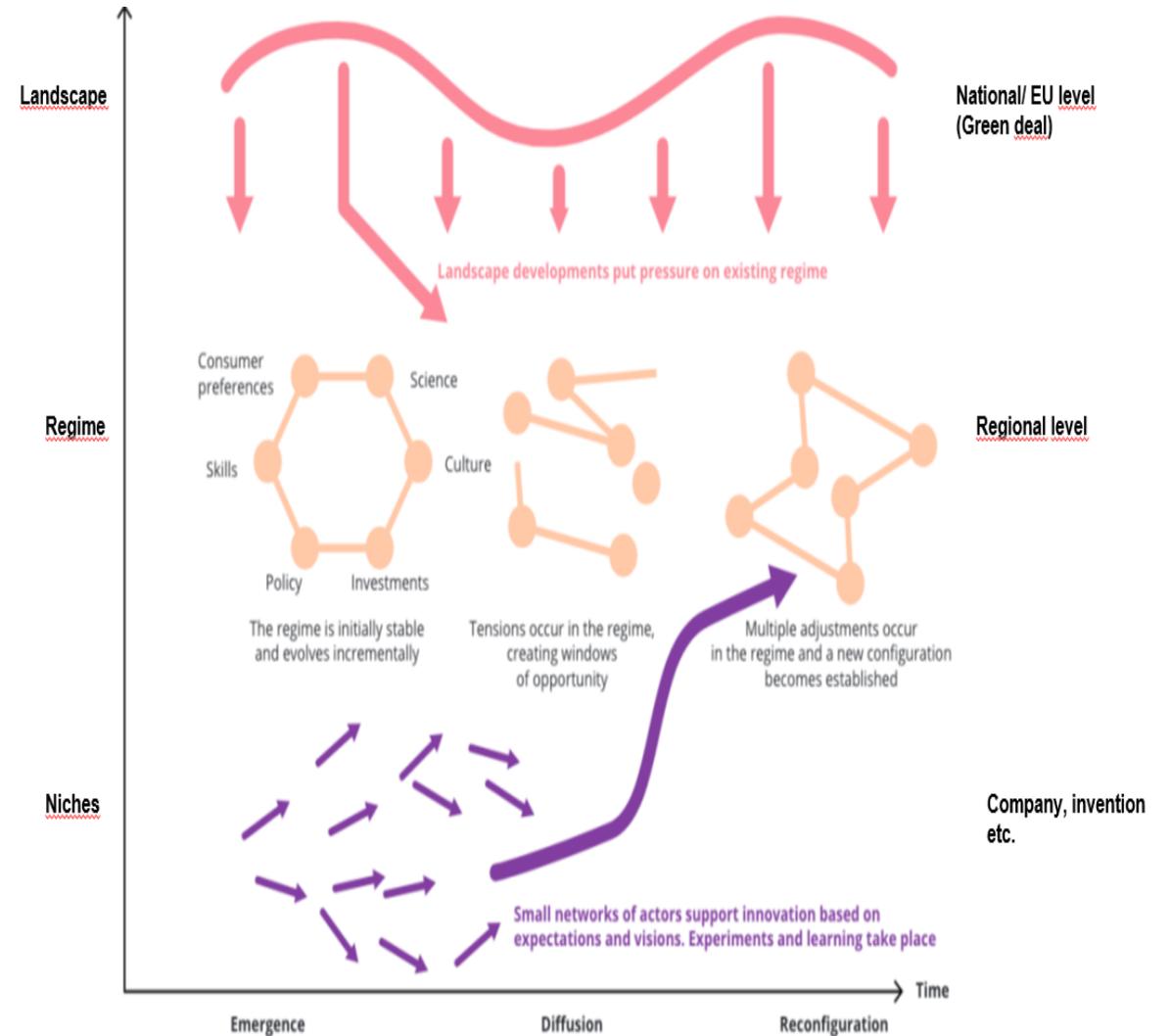
- A “business as usual” scenario, where reduction of climate change caused by CO2 emissions, reduced over-exploitation of global resources and prevention of other harmful effects on natural ecosystems are achieved through a deep and permanent downscaling of the global economy.
- The “smarter” scenario is a deep transformation of society and economy, a “green shift”, in the direction of reduced CO2 emissions and a circular economy where human consumption of the resources of the planet are reduced. This transformation can drive “green growth” in new industries.

Points made in the presentation

- The globalization has contributed to that less people than ever lives in absolute poverty, but this has happened based on the use of fossil fuels and environmental resources.
- It is evident that the world needs to reduce the dependency on fossil fuels, and this risks again pushing large groups into poverty, that will have dire political consequences.
- Rich countries needs to compensate poorer countries but also in rich countries there are poor people and vice versa. It is difficult to do, due to domestic political pressures.
- The solutions to this is the smarter scenario and while the future is likely to be a combination of the scenarios. Some regions are likely to be blocked by internal conflicts resulting in an “institutional exhaustion”.
- The policy tool regions in Europe have for innovative development is smart specialization but all innovations are not good for sustainability. There are challenges when going from S3 to S4

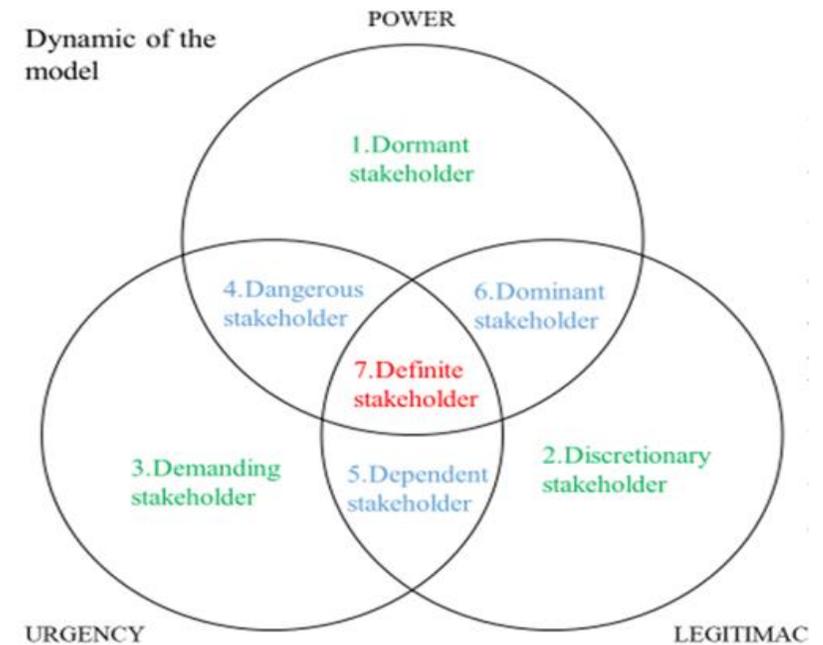
Understanding the dynamics of the change

- Landscape level provides at least three types of pressures: 1) Climate awareness; 2) Political landscape (EGD); 3) Market landscape given by the competition on the global markets and MNE “sense-making”
- The role of the regime/region is to work in an unsustainable system in the quest for sustainability. This implies capacity to influence in niche, regime and landscape level
- Niche companies engage with the landscape, but SMEs need intermediaries. NGOs engage in various fields, providing a will but not a way. Niche interventions put pressures on the regime to transform.



Way forward: value-chain analysis stakeholder classification

- Does the stakeholders have an urgency => legitimacy => power and the policy need to drive them towards becoming definitive stakeholders of the Green transition
- The change is likely to be gradual and we need to work with the committed ones. Mindset may be linked to “culture and identity and the solutions is to things in practice, bottom-up.
- We have seen that co-creation may affect local level business “sense-making”
- Analytical tools, road-maps etc. that makes the change less elusive effects the mindset.
- Transnational bench-marking may serve as a “development inspiration” we need an outward looking perspective



Source: Mitchell, Agle & Wood. (1997). Toward a Theory of Stakeholder Identification and Salience



Format for assessment dynamic stakeholder commitment

- Based on expert interviews in the areas assessing the stakeholder on a scale 0-2 on three parameters: 1) Urgency 2) Legitimacy and 3) Power
- Dynamics by assessments of the stakeholders by “5 years ago”, “Now” and, “In 5 years”
- Assessment by relevance for GT
- Policy guidance based on the objective that the stakeholder should become definitive stakeholders of the Green Transition

Stakeholder	Stakeholder's relevance in GT									Relevance in green transformation
	Urgency			Legitimacy			Power			
	5 years ago	now	in 5 years	5 years ago	now	in 5 years	5 years ago	now	in 5 years	
Company 1	1	2	2	1	1	1	2	2	2	Dominant; Global market leader in sustainable energy solutions
Company 2	1	2	2	1	1	1	2	2	2	Dominant; Global energy solution company
Company 3	1	2	2	1	1	1	2	2	2	Dominant; Global machinery company active in CE
Company 4	1	2	2	2	2	2	1	1	1	Dependent, Local biogas company
Company 5	2	2	2	2	2	2	1	1	1	Dependent, Local biogas company
Company 6	1	2	2	1	1	2	1	1	1	Dependent; Regional electric company; active in new energy solutions
University 1	1	2	2	1	1	2	1	1	1	Dependent; Active in energy solutions
University 2	1	2	2	1	1	2	1	1	1	Dependent; Has been developing robotization
University 3	2	2	2	2	2	2	1	1	1	Dependent, Environmental engineering education
University 4	1	2	2	1	1	2	1	1	1	Dependent; Active in digitalisation solutions

Observed dividing lines when formulating policies

1. Export orientation vs. import substitution

- companies in global value-chains more positive

2. Policy processes vs. political processes

- evidence and political will, “visibility” for the future, complexity
global consumer sentiments are driving development on
different markets

3. Capacity building for discoveries vs. exhaustion

- perception that the intervention areas can gradually transform
what about the rest

4. Proactive role of the public in the center vs. challenges in PPP

- capacity to be a partner in FDI led development, increase
expectations

5. MNEs drivers SMEs are adapting

- new role for the public sector adapting to landscape pressures,
mitigation



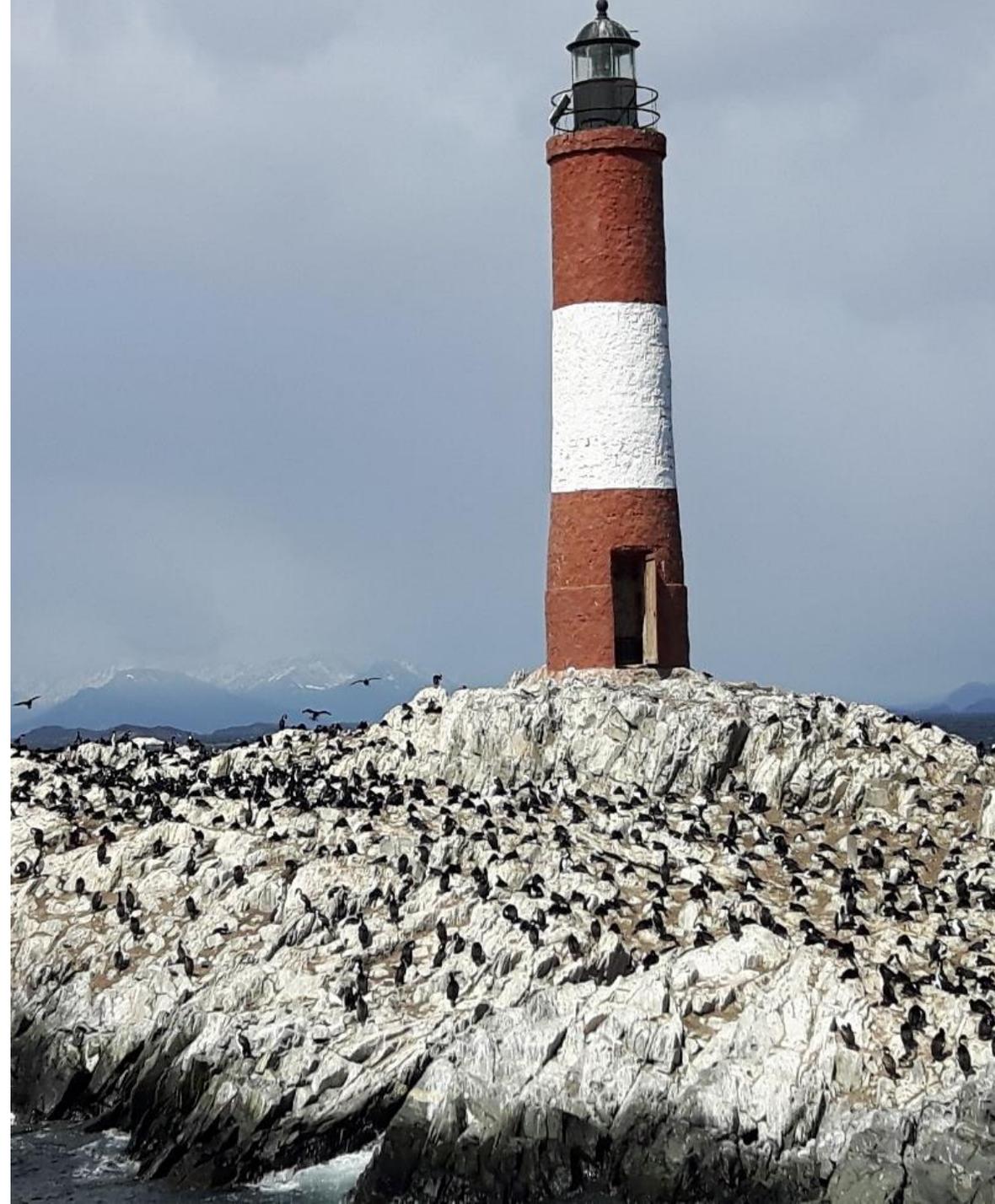
Thank you!

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Regional Council
of Ostrobothnia



LOCAL GREEN DEAL
FROM MISSION TO
ACTION

I:DEAL FOR MANNHEIM

Endorse the
**#MANNHEIM
MESSAGE**
the local response
to the European
Green Deal

@sustain_cities

#MANNHEIM MESSAGE

Mannheim

LOCAL GREEN DEALS

EU
GREEN
DEAL

GOING
local

BUILT
BETWEEN

CITIZENS

STAKEHOLDERS

GOVERNMENTS

CLIMATE-
NEUTRAL
by 2050



GLOBAL CHALLENGES
MEET LOCAL CHALLENGES

GREEN TRANSITION
SUSTAINABILITY
CLIMATE NEUTRALITY
INTEGRATED TARGETS

INTERNATIONAL AND
EUROPEAN POLICY
AND ACTION PLANS

LOCAL ACTION
LOCAL STAKEHOLDERS

LOCAL PROBLEM SITUATION
FINDS LOCAL COMPETENCE
FOR SOLUTIONS

I:DEAL
FOR MANNHEIM
LOCAL GREEN DEAL

LOCAL STRATEGIES
LOCAL STRUCTURES
LOCAL CULTURE

ZERO-POLLUTION TARGET



INCREASING CLIMATE AMBITION



CLEAN, AFFORDABLE AND SECURE ENERGY



KNOWLEDGE, RESEARCH, INNOVATION



JUST TRANSITION COMMON GOOD



ECOSYSTEMS AND BIODIVERSITY



I:DEAL

FOR MANNHEIM LOCAL GREEN DEAL

ACTION - STAKEHOLDERS

MOBILISATION OF THE URBAN SOCIETY



FROM FARM TO FORK, FAIR, HEALTHY FOOD SYSTEM



SUSTAINABLE AND SMART MOBILITY



ENERGY AND RESOURCE EFFICIENT BUILDINGS



INDUSTRY FOR A CLEAN AND CIRCULAR ECONOMY



MOBILES GRÜNES ZIMMER®

NATUR IN DER STADT

GREEN TRANSITION

W #M IX-PFLANZEN.DE GREENLIVINGROOM

HELIX PFLANZEN



INCREASING
CLIMATE AMBITION

ZERO POLLUTION
TARGET

INDUSTRY FOR
A CLEAN AND
CIRCULAR
ECONOMY

I:DEAL FOR MANNHEIM LOCAL GREEN DEAL

ECOSYSTEMS AND
BIODIVERSITY

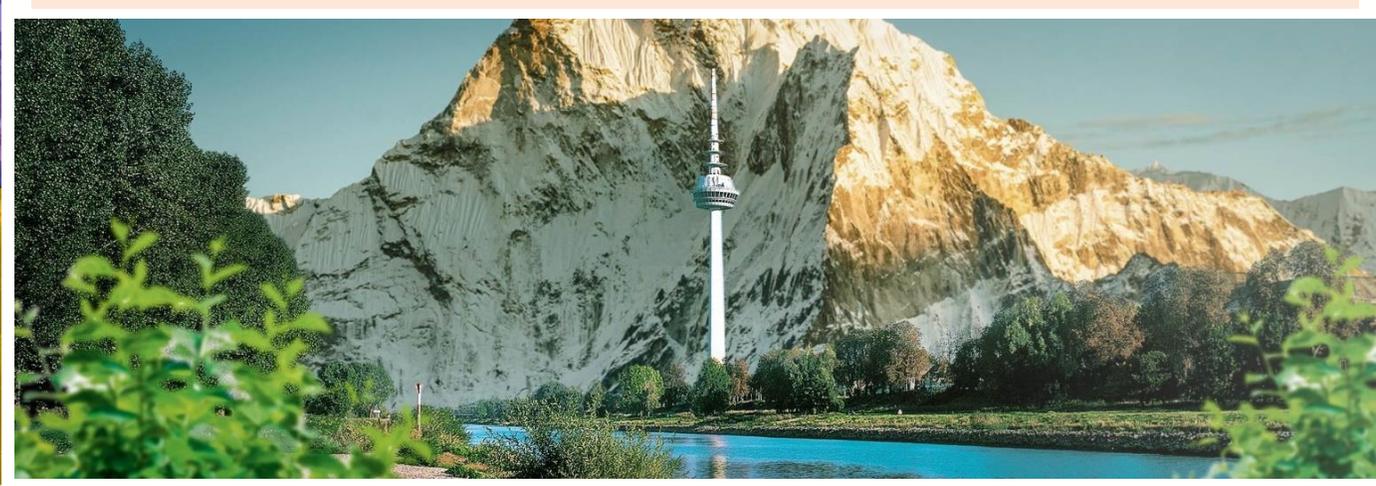
FROM FARM
TO FORK,
FAIR, HEALTHY
FOOD SYSTEM

ENERGY AND
RESOURCE
EFFICIENT
BUILDING

SUSTAINABLE AND
SMART MOBILITY

CLEAN,
AFFORDABLE
AND SECURE
ENERGY

With your Vision we move Mountains!



KNOWLEDGE, INNOVATION

JUST TRANSITION

MOBILISATION, ENGAGEMENT

STADTMANNHEIM²

IDENTIFIED CONCRETE POTENTIALS IN ALL LOCAL GREEN DEAL ACTION FIELDS



DEAL! CLIMATE NEUTRALITY TARGET

“The City Council resolves that the **strategic goal of climate neutrality** be significantly accelerated from the target year of 2050 to the **target year of 2030** with the development of the **Climate Action Plan 2030**.”



DEAL! 100 CLIMATE NEUTRAL CITIES BY 2030

“The City Council resolves that the City of Mannheim will **participate in the Mission call „100 Climate neutral Cities 2030 by and for the citizens“** and create the conditions for successful participation.”



DEAL! COAL PHASE OUT BY 2030

The largest hard coal-fired power plant in Germany supplies more than 60% of the inhabitants with district heating. It is a landmark deal to **replace the heat supply till 2030** by river heat, geothermal and biomass.



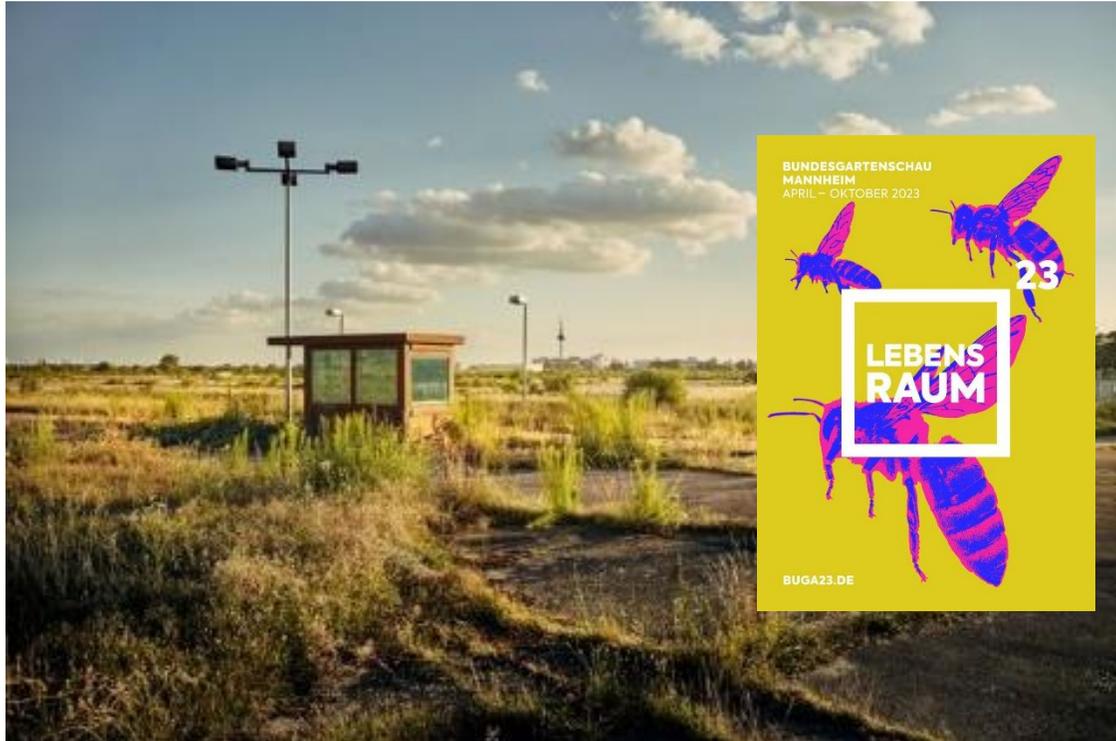
DEAL! PV FOR MUNICIPAL BUILDINGS

Another deal with the city-owned company Smart City is to **supply all municipal buildings with 40 MW peak solar energy** for a climate-neutral administration by 2027.



DEAL! GREEN CORRIDOR NORTH EAST

The 82-hectare former military conversion site of the Spinelli Barracks will be the venue for the **National Garden Show** until 2023, after which it will remain as a **permanent green corridor** northeast. Almost **three quarters of the area will be unsealed** and be green in the future, bringing Mannheim residents more fresh air and quality of life.



DEAL! CLIMATE STABLE FOREST

As part of the **Trees in Cities Challenge**, the City of Mannheim planted **38,583 trees** from Jan to Sept 2021 and will plant an **additional 31,331 trees** by Jan 2022 to strengthen sustainable management of **urban forests**. <https://treesincities.unece.org/>





It is never too late
to ignite your own
transformation.

I:DEAL
for Mannheim

Ich spare mir mein Auto, weil
*frische Luft besser als
Abgase ist.*

Ecological Transition and Green Deal

Which city/metro area do you represent?

Brussels

Mannheim

Madrid

IUrC North America

Working in Bangkok

Ottawa

Santa Monica

Mannheim

European Committee of The Regions

Which city/metro area do you represent?

Mexico City

IURC Latin America

Rome

Kansas City

Ostrobothnia (city of Vaasa, Finland)

What are the most pressing challenges in your city/metro region in relation to Renovation Wave and Nature Based Solutions?

Retrofit homes, Commercial, and Institutional buildings to improve energy efficiency and reduce GHG emissions

Administrative procedures

Social affordability and climate justice oriented projects

Legislative framework

Develop Sustainable Neighborhood actions plans for new growth areas to move towards net-zero neighborhoods

Intensification while protecting the urban forest

Water retention infrastructure due to flooding. Retrofitting buildings

Increasing green and blue areas in cities

Housing affordability

What are the most pressing challenges in your city/metro region in relation to Renovation Wave and Nature Based Solutions?

To be coordinated with the ongoing green initiatives

Pocket parks are being launched with very engaged citizens and NGOs

Applying equity into climate action planning (i.e. solar panels on low-income housing projects).

Suitable science-based solutions that fuse green and gray infrastructure to promote resiliency

Meeting energy efficiency and low carbon goals while preserving and maintaining heritage sites/assets

Increased waste from deliveries/rise in e-commerce

Mobility/congestion

Saving the bees!

Considering also improving biodiversity

What are the most pressing challenges in your city/metro region in relation to Renovation Wave and Nature Based Solutions?

Investment on PV and Archeological site protection rules in the historical centres

Select the main topics you would like to focus on within the Renovation Wave and Nature Based Solutions Cluster

