

Driving Urban Transitions to a Sustainable Future

a Co-funded European Partnership proposal

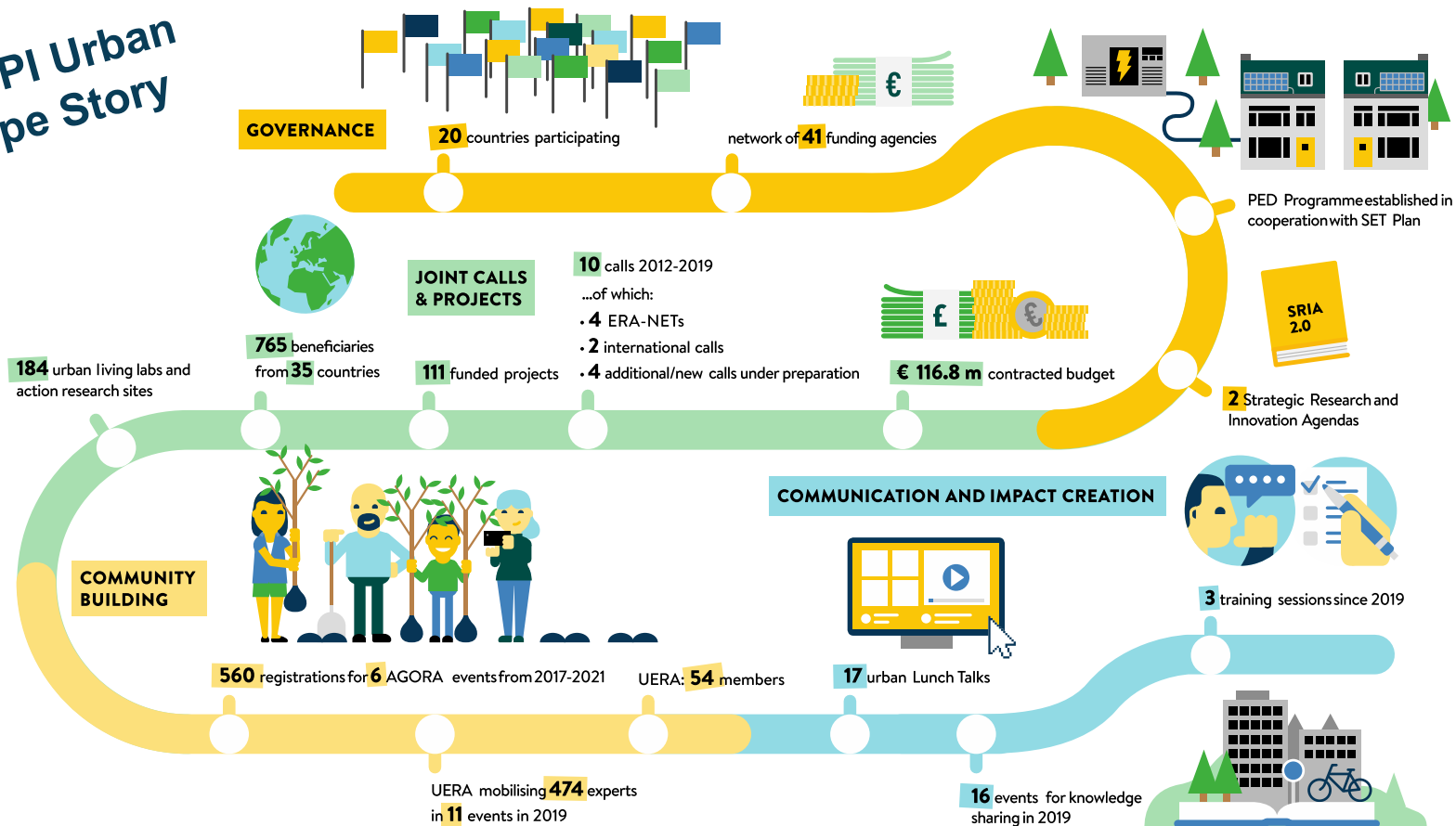
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The JPI Urban Europe Story

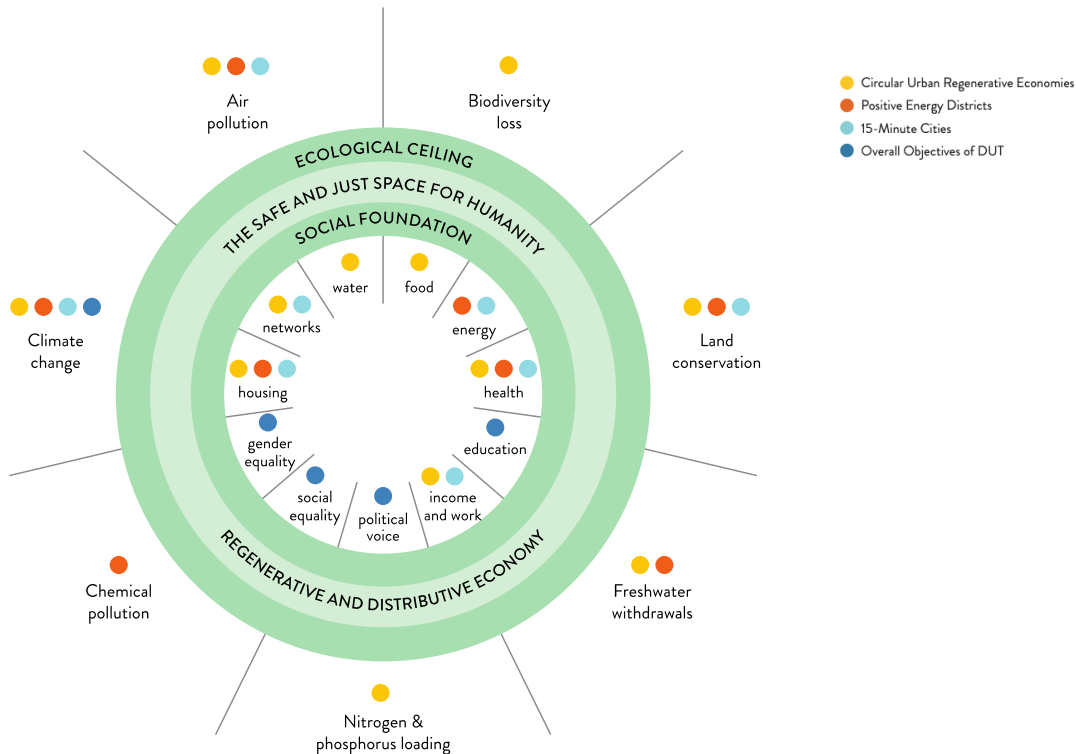


The DUT vision

The DUT Partnership steps up the game to tackle urban challenges. We enable local authorities and municipalities, business and citizens to translate global strategies into local action. We develop the skills and tools to make urban change happen and boost the urgently needed urban transformations.



DUT to transform towards principles of Doughnut Economics



Positive Energy Districts and Neighbourhoods
transforming the urban energy system



Circular Urban Regenerative Economies
an integrated approach for urban greening and circularity transitions



15-Minutes Cities
rethinking the urban mobility system and space

Transition Pathways of the DUT partnership



Positive Energy Districts and Neighbourhoods

transforming the urban energy system



Circular Urban Regenerative Economies

an integrated approach for urban greening and circularity transitions



15-Minutes Cities

rethinking the urban mobility system and space

Key themes in the transition pathways

Positive Energy Districts

- **Prepare the energy system for PEDs**
energy flexibility, energy security, sector coupling, life-cycle analysis
- **Integrated (urban) planning**
green-blue infrastructure, mobility, system boundaries, public spaces
- **Governance – PEDs for people**
affordability of housing, overcoming energy poverty, participatory planning, behaviour and lifestyle
- **Prepare mainstreaming and replication**
certification, regulation, financing and business models


15-Minutes Cities

- **Rethink use of space**
flexible use of public space, reduce demand for (car-based) movement, digitalization, functionality of neighbourhoods, peri-urban areas
- **Multi-modal, integrated mobility systems**
active modes, integration of new vehicle and transport technologies, digitalisation, increase 15min range
- **Governance and inclusiveness**
behavioural changes, accessibility, affordability, planning, organisational innovation, services
- **Redesign urban infrastructure and built environment**
urban planning, new urban architecture, health and resilience

Circular Urban Regenerative Economies


- **Innovation ecosystems for circular economies**
resource scarcity, new urban manufacturing and economy, sustainability of private investments, food production,
- **Urban planning, design and sustainable land-use**
green-blue infrastructure, sense of places, reuse/renovation of built environment, NBS, high quality public spaces, health
- **Regenerative urbanism and downsizing city doughnuts**
just transitions, overcoming unsustainable systems, participatory decision making, consumption and behaviour change, bottom-up initiatives driving change

Key thematic areas in the CURE transition pathway




Urban planning, design, and sustainable land-use

Key area 1 focus on urban design and land use aspects related to nature-based solutions and blue-green infrastructure, promotes more engineering and large technical system approaches.



Innovation ecosystems for circular economies

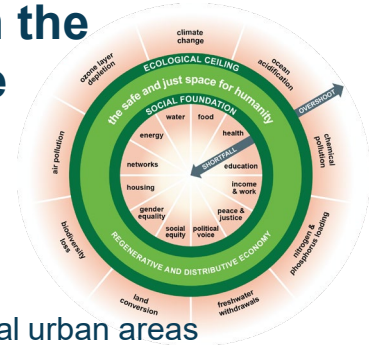
Key area 3 focus on local communities and urban innovation actions for circular economies focus more on social innovation type of activism, on tactical urbanism approaches, 'doers', and SME business.



Capacity building for regenerative urbanism and downsizing city doughnuts

Key area 2 gathers topics around governance aspects that ties key area 1 and 3 together/supporting their developments as well as supporting actions to prepare the ground for doughnut economies, including (public admin) capacity building for liveability and robustness.

Urban migration related or potential opportunities in the DUT transition pathway Circular Urban Regenerative Economies?



This mission should incentivise urban transitions towards:

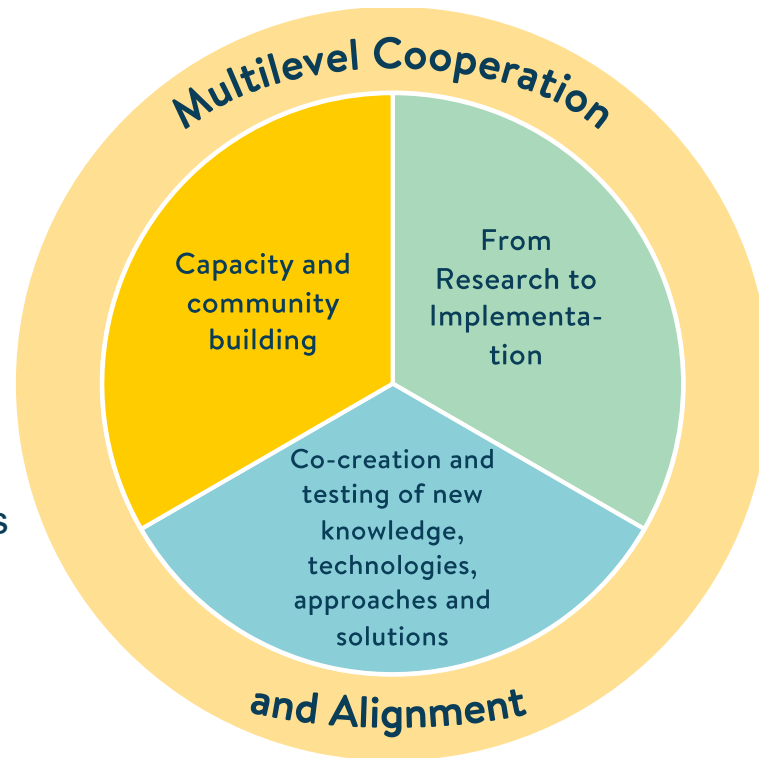
- Circular regenerative economy at different scales (resources, materials, buildings, districts, neighbourhoods, cities, suburban and peri-urban areas, and connecting regionally functional urban areas across the urban-rural continuum)
- Community support ('sharing economy')
- Just transitions, landscape democracy, equity and social inclusion
- Innovation in governance, funding and business models, assessment

E.g. Regenerative urbanism leaving no one behind:

- Diversity, equity, inclusion and universal design centred urban planning including intersectional approaches to tackle exclusionary urbanization processes based on ethnicity, religion and other factors. Liveability and social sustainability (urban and regional gentrification and segregation dilemmas, inclusive, accessible, equal, and just neighbourhoods and urban spaces).
- Ways to ensure equitable access to ecosystem services for marginalized and vulnerable communities that live disproportionately in less safe, resilient and green neighbourhoods, and face a greater exposure to human and natural hazards, including pollution, flooding, heat, noise, and green gentrification.

Implementation Measures

- Challenge-driven research and innovation
- Urban Living Labs 2.0
- AGORA dialogues
- Knowledge hubs
- Models for replication and mainstreaming
- Impact creation through synthesis, policy recommendations, trainings and success cases
- International outreach
- Cooperation with other Horizon Europe partnerships



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