Driving Urban Transitions to a Sustainable Future

Proposal for an Urban Partnership under Horizon Europe

Margit Noll
Chair of the JPI Urban Europe Management Board

info@jpi-urbaneurope.eu
Evidence-based Policy Making Supported by Challenge-driven Research & Innovation

- specification of needs for research and innovation, new forms of governance, regulatory frameworks
- experimentation and co-development of new approaches, capacity building, good practice

Policy

Research and Innovation
The JPI Urban Europe Programme

**Governance**
- 20 countries participating
- Network of 41 funding agencies

**Joint Calls & Projects**
- 9 calls 2011-2019
- Of which:
  - 4 ERA-NETs
  - 2 international calls
  - 3 more ERA-NETs under implementation
- €91.8m contracted budget

**Community Building**
- 380 registrations for 4 AGORA events from 2017-2020
- UERA: 54 members
- UERA mobilising 474 experts in 11 events in 2019

**Communication and Impact Creation**
- 14 Urban Lunch Talks
- 16 Events for knowledge sharing in 2019
- PED Programme established in cooperation with SET Plan
- 2 Strategic Research and Innovation Agendas

**Countries and Beneficiaries**
- 558 beneficiaries from 34 countries
- 84 funded projects
Complex Urban Challenges Require Integrated Policy Implementation

Source: International Science Council: SDGs Guide to Interactions, 2018
Dilemmas as Innovation Drivers

How can city authorities exploit the potential of digitalisation for urban planning and governance while avoiding the risks of new inequalities and exclusion as well as addressing the consequences for jobs, value chains and privacy?

How can city authorities get prepared for unexpected, non-linear events and at the same time ensure highest liveability for its inhabitants?

How can city authorities answer the demand for densification and infrastructure provision under the constraints of scare resources, financial limitations, accessibility and affordability for all?

How can city authorities provide multi-functional public spaces that serve the purposes of all groups of society within the given ownership situations, stakeholder interests, security concerns or densification needs?
Challenge-driven Innovation to Address Dilemmas

- **Problem orientation** - Address key challenges for city administration and municipalities
- **City empowerment** - Engage and empower urban authorities actively throughout the project
- **Innovation orientation** – Conduct research and innovation activities that add value for cities and municipalities
- **Capacity building** – Include activities that lead to capacity building in city authorities, real-estate, infrastructure and service providers, civil society, etc.
- **Output orientation** - Deliver clear and useful outputs and solutions that contribute to the implementation of the cities' strategies
Co-design and Experimentation to Enhance Impact

Urban Living Labs are …

…a form of experimental governance, whereby urban stakeholders develop and test new technologies, products, services and ways of living to produce innovative solutions …’¹

… user-centred, open innovation ecosystems based on systematic co-creation integrating research and innovation in real life communities and settings²

• Equity and inclusiveness
• Integration in local and regional ‘proper’ governance
• Capacity building in public administrations and society
• Community and neighbourhood level

¹ https://www.slideshare.net/openlivinglabs/cities-as-living-labs-and-large-scale-experimentations
² European Network of Living Labs ENoLL, https://enoll.org
Example: ERA-NET Smart Urban Futures (ENSUF)

34 urban living labs

76 local governments / public administrations involved in the projects

~30 policy recommendations generated

www.jpi-urbaneurope.eu/ENSUFpolicy
Stepping up Urban Transformation Efforts

Move from words and theory to a Decade of Action

Enhance capacities to govern complexity, uncertainty and dilemmas

The ‘How’ is equally important to the ‘What’

Create shared visions and critical mass of good practice

Build upon experiments and pilots but take them towards new daily business
A European Partnership on Driving Urban Transitions

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.
Innovation Pillars of the DUT Partnership

Positive Energy Districts and Neighbourhoods
transforming the urban energy system

Green Urban Economies
an integrated approach for urban greening and circularity transitions

The 15 Minutes Cities
rethinking the urban mobility system and space
### Upcoming Opportunities to Engage

<table>
<thead>
<tr>
<th>Program</th>
<th>Calls/Opening Date</th>
<th>Topics Related to Sustainable Mobility Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ERA-NET Urban Accessibility and Connectivity</strong></td>
<td>Calls planned for spring 2021</td>
<td>Topics related to the implementation of sustainable mobility systems</td>
</tr>
<tr>
<td><strong>ERA-NET Enhancing Urban Transformation Capacities</strong></td>
<td>1. Call planned to open end of 2020</td>
<td>• Urban circular economies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Community-based developments and urban innovation ecosystems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Robust and resilient urban infrastructure and built environment</td>
</tr>
<tr>
<td><strong>ERA-NET Positive Energy Districts and Neighbourhoods</strong></td>
<td>1. Call planned for spring 2021</td>
<td></td>
</tr>
</tbody>
</table>
Stay Connected – Get Engaged

• Margit Noll, margit.noll@ffg.at
• Upcoming events: Urban Lunch Talks
  https://jpi-urbaneurope.eu/urban-lunch-talks-a-webinar-series/
• Register for the JPI Urban Europe newsletter to stay updated
  https://jpi-urbaneurope.eu/jpi-urban-europe-newsletters-and-news-alerts/
• Consultation reports available:
  https://tinyurl.com/dut-consultation
  https://tinyurl.com/dut-agora