



BTC-ENUTC PROJECTS CATALOGUE 2023

EDIT

Simon Boström, Formas

DESIGN

Simon Boström, Formas

LAYOUT

Based on ENUAC Projects Catalogue 2021

Chris Versteeg, Projekt C

COVER IMAGE

NXIX



ERA-NET Urban Transformation Capacities has received funding from the European Union's H2020 research and innovation programme under grant agreement No. 101003758.

BTC-ENUTC PROJECTS CATALOGUE 2023

CONTENT

A EUROPEAN FUNDING SCHEME 4

THE ENUTC CALL 6

THE PROJECTS 9

THE FUNDING AGENCIES 18

CONTACT US 19

A EUROPEAN FUNDING SCHEME

The call was launched by JPI Urban Europe with support from the ERA-NET Cofund scheme under Horizon 2020.

The ERA-NET Cofund Urban Transformation Capacities (ENUTC) was conceptualised in the framework of the Joint Programming Initiative (JPI) Urban Europe. JPI Urban Europe is an intergovernmental and strategic partnership of countries addressing the challenge of sustainable urban development through coordinated research and innovation.

JPI Urban Europe has a longstanding cooperation with the European Commission with a total of 6 ERA-NET Cofund calls launched under the European Research and Innovation Framework Programme – Horizon 2020. ERA-NET Cofund is an instrument of Horizon 2020 that supports and leverages cooperation of national research and agencies across Europe. Through the ERA-NET Cofunds, the European Commission provides top-up funding and strengthens the

relationship of the JPI Urban Europe programme to European strategies and priorities, e.g. the various related societal challenges of Horizon 2020. The ERA-NET Cofunds also facilitate the widening of participation of EU Member States or Associated States in such joint calls and programme activities.

As part of the preparation of the next European Research and Innovation Framework Programme – Horizon Europe – new mechanisms for public-public partnerships are under development. One of the candidates for such a European partnership is Driving Urban Transitions to a Sustainable Future (DUT).



THE BTC-ENUTC CALL

In this additional ENUTC call, art and design are the focal points as a means for urban change. The call's scope is to emphasize the importance of imagination, creativity and the cultural sector.

We seem simply not capable of imagining the sustainable societies of tomorrow. We are stuck in current modes of thinking and old solutions, perhaps useful for solving old problems.

There is a potential of bringing change mechanisms by methodology and methods to envision the future. To imagine and create, open up new worlds, futures and imaginaries, and transform our minds, processes and tools in ways to achieve what needs to be achieved for urban transition.

The challenge is to implement these strategies and make change happen. This call focuses on the building of transformation capacities with new perspectives to make the urban transition really happening – by going beyond the usual procedures, and by

being more innovative and creative.

Eight funding agencies from Sweden, Latvia, Netherlands, Belgium, Poland, Romania, and Bulgaria have together a budget of approximately 4 million euro for the new call. The call will follow a one-step evaluation process by an international expert panel.

THE CALL TOPICS

In the BTC-ENUTC call, urban transformation capacities are related to three main topics, which address a variety of urban challenges.

The first topic is experimentation and co-creation for a beautiful and sustainable urban future – A future that is “beautiful for our eyes, minds, and souls”. As such, the arts and creative sectors have an important role to play as boundary span-

ners for urban transformation. The ambitions for the transformation of our societies are high. To be able to deliver new ways to build sustainable, climate neutral neighbourhoods it is fundamental to use co-creation and radical mobilisation between disciplines, sectors, civil society, bodies of knowledge, etc.

The second topic is transformation to sustainable cities / urban transformation. In a sustainable city, urban spaces are not loosely connected parts – but the very building blocks for liveable neighbourhoods and communities in the urban context. To anticipate anthropogenic effects, it is as important to integrate issues of design, consumption behaviours, circular economy, energy use, mobility patterns, waste management, and management of existing built environments – as it is to develop and design urban areas, neighbourhoods, streets, squares, etc. that promote more sustainable mobility patterns, renewable energy use and reduced consumption.

The third topic is designing inclusive, liveable and green neighbourhoods. Transforming neighbourhoods while adhering to the needs

of different groups of society can potentially lead to conflict-laden decisions and processes. There is a need for more knowledge and new solutions that bring into focus such conflicts, accountability, legitimacy, justice, trust, consequences, and opportunities that come with democracy and participation. To a high degree, public spaces and natural and cultural environments should be designed and used in ways that foster co-creation, social inclusion, and a sense of community.



THE PROJECTS

The national funding agencies in the BTC-ENUTC call, have agreed on a list of 5 projects recommended for funding – and the projects are starting in 2023, and finishing in 2025.

1. ENVISION CHANGE
2. IPA
3. SOUND UP
4. TURF
5. unLoc

ENVISION CHANGE

A range of technologies, digital innovations and social policies are available for driving the energy transition. However, state of the art solutions and policy initiatives have not yet led to the needed speeding up of the energy transition. The communal uptake of available sustainable innovation in society needs boosting and municipalities are in need of more insight into citizens' needs for reaching the set climate goals.

In this light, participatory design methods and innovative tools such as virtual reality are emerging that could potentially aid the envisioning and co-creating of real positive change, and making the transition beautiful, sustainable and inclusive. The proposed study aims to develop and test such creative techniques and uncover and utilize their potential; support municipalities and their professionals in gaining insight into citizen needs and co-creating the urban sustainable transition by empowering inhabitants in decision making processes and strengthening responsible ownership for a realistic 'greener' future. Using a research-through-design approach, the

project conducts applied research in Latvia, Sweden and The Netherlands to identify and meet the needs and priorities of municipalities, communities and stakeholders.

This project focuses on collaboratively exploring creative imaginations using interactive media (emerging and playful technology such as VR/AR) and participatory design techniques for engaging communities and envisioning sustainable Urban Transitions.

IPA

The aim of this innovation project is to build transformation capacity for urban transitions that connect both inner and outer transformation, Existential Sustainability, through an experimental Innovation Portfolio Approach. This will be done in three European cities: Lund (SE), Timișoara (RO) and Amsterdam (NL) by three different types of intermediaries: an innovation platform, a cultural NGO, and a university Master programme. These are supported by a unique constellation of universities, businesses, social and cultural organisations and city authorities.

Each intermediary works with a

local urban challenge where the cultural and creative sector has ample opportunities to catalyse innovation and co-creation. By shifting focus from supporting single innovation projects to facilitating urban transition portfolios, the project paves way for a more impactful and sustainable approach that suits the complexity of urban challenges.

The objectives of the project are to 1) develop the skills of intermediaries and their toolbox, 2) facilitate 7-15 mission driven innovation projects through the Innovation Portfolio Approach and 3) to increase participation in open innovation for urban transition through culture and creativity by developing concepts for demo forums.

SOUND UP

Sound Up is an interdisciplinary arts-based research project, building on community engagement in data collection and artistic co-creation with a focus on sound. The project seeks – on a practical as well as theoretical level – to enable an improved quality of life (for all living beings) in residential areas and public (urban) spaces through a considered artistically inspired (re-)design of

the sonic environment.

Through cooperation across a diverse interdisciplinary team, ranging from (sound) artists to landscape architects, and from historians and ethnographers to sound studies scholars, the project develops new insights and tools of relevance to such practical and applied fields as urban design and regional development.

Additionally, the project is designed to establish new active collaborations with stakeholders and businesses in order to set this innovative approach in practice, and thereby to contribute tangibly to the green transition and development of sustainable and more attractive living environments.

TURF

The project TURF – The URban Food Factory – aims to: 1. demonstrate how adaptive reuse of car parking structures for controlled environment agriculture can strengthen urban resilience, 2. develop a web-based decision support manual for the creation of Living Labs through the proposed up-cycling as novel strategies that

transform urban neighbourhoods,
3. create interactive 3D models that improve understanding of the concept and support robust decision making on new perspectives on adaptive reuse for food provision as a driver for sustainable development.

The study takes a speculative, user-centered approach to get a better understanding of how Urban Farming Living Labs should be developed to contribute to the resilience of a specific urban neighbourhood. The study begins with selecting two urban car parking structures in Sweden and Poland as case studies explored first, through architectural analysis and photography, second through interviews with the key stakeholders.

The results will be used to develop a Web-based decision support manual and visual 3D models of “What can be 2030”. Based on virtual strategic models, we want to uncover the perceived difficulties in adapting multi-storey garages to act as catalysts for regenerative and resilient urban development.

The main target group are deci-

sion-makers, such as city planners, investors, and developers.

unLoc

The title of the project – unLoc – is inspired by the concept of “locus of control”, which we use as a metaphorical reference to the symbolism of the architecture of power. In the project, we explore how the history of power relations is reflected in architecture. We use new technologies that can change the way people perceive and understand architecture.

Using historical and social inspirations, computer programming and artificial intelligence, we create a platform for alternative visions of urban space. The project is embedded in the broad context of the history of architecture, urban planning and the ways in which social control, influence and conflict manifest themselves through the structure of public space.

We analyse the architecture of power to select objects with a “difficult history” that are symbols of power and dependence. We focus the research area to post-communist architecture in the countries of the former Eastern Bloc. We explore alternative

possibilities, artistic inspiration and dialogue between urban space and its inhabitants.

We want to provide the tool for better understanding of the needs of the city residents, discussing different perspectives and approaches for the urban planning and the platform for creating sustainable and well designed cities.



THE FUNDING AGENCIES

Below are the 8 national funding agencies, from 7 countries, in the BTC-ENUTC call.

1. Innoviris, Belgium
2. Bulgarian National Science Fund (BNSF), Bulgaria
3. Latvian Council of Science (LCS), Latvia
4. Taskforce for Applied Research SIA (Regieorgaan SIA), The Netherlands
5. National Science Centre (NCN), Poland
6. Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania
7. Forskningsrådet för miljö, areella näringar och samhällsbyggande (FORMAS), Sweden
8. The Swedish Energy Agency (SWEA), Sweden

CONTACT US

The BTC-ENUTC initiative is operated on a daily basis by a European management team. Many operational issues are dealt by national funding agency contact points.

COORDINATION TEAM

Kristina Laurell, Formas, Sweden: kristina.laurell@formas.se

Elisabeth Tejme, Formas, Sweden: elisabeth.tejme@formas.se

Ann Maudsley, Formas, Sweden: ann.maudsley@formas.se

Mussie Haile Berih, Formas, Sweden: mussie.haileberih@formas.se

Simon Boström, Formas, Sweden: simon.bostrom@formas.se

COMMUNICATION AND EVENTS

Simon Boström, Formas, Sweden: simon.bostrom@formas.se

CALL SECRETARIAT

Ann Maudsley, Formas, Sweden: ann.maudsley@formas.se

Elena Simion, UEFISCDI, Romania: elena.simion@uefiscdi.ro

PROJECTS' CONTACT POINT

Elena Simion, UEFISCDI, Romania: elena.simion@uefiscdi.ro

For more information, please visit: www.jpi-urbaneurope.eu

