



Driving Urban Transitions to a sustainable future



**Driving Urban
Transitions**

Info Day 1, 20 September 2022

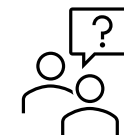
House keeping

- Attendees:

- Muted 

- Camera off 

- You may use the “Q&A” tool to pose questions that will be answered and published at the website.



- The session will not be recorded

- The ppt will be shared at the website <https://dutpartnership.eu/>

AGENDA

10:00 – 10:05	Welcome and Introduction
10:05 – 10:30	Deep dive into the DUT Transitions Pathways
10:05 – 10:15	Positive Energy Districts (Christoph Gollner)
10:15 – 10:25	15-minute City (Maximilian Jäger)
10:25 – 10:35	Circular Urban Economies (Björn Wallsten)
10:35 – 11:00	General aspects of the DUT Call 2022: Call timeline, rules, how to apply (Paul Kuttner, Pascal Bain, Elena Simion)
11:00 – 11:15	Matchmaking platform (Kathrin Rueegg)
11:15 – 11:45	Questions and Answers
11:45 – 12:00	COFFEE BREAK
12:00 – 13:00	Conversations with transnational projects
12:00 – 12:30	Intro Christoph Gollner Presentation of 2 JPI UE projects --> TRANS-PED - Andrew Karvonen (PED Call) --> ASAP - Susanne Wrighton (ENUAC Call)
12:30 – 13:00	Q&A
13:00-13:30	Closure and next steps

Driving Urban Transitions to a Sustainable Future

European Partnership under Horizon Europe

DUT in a nutshell



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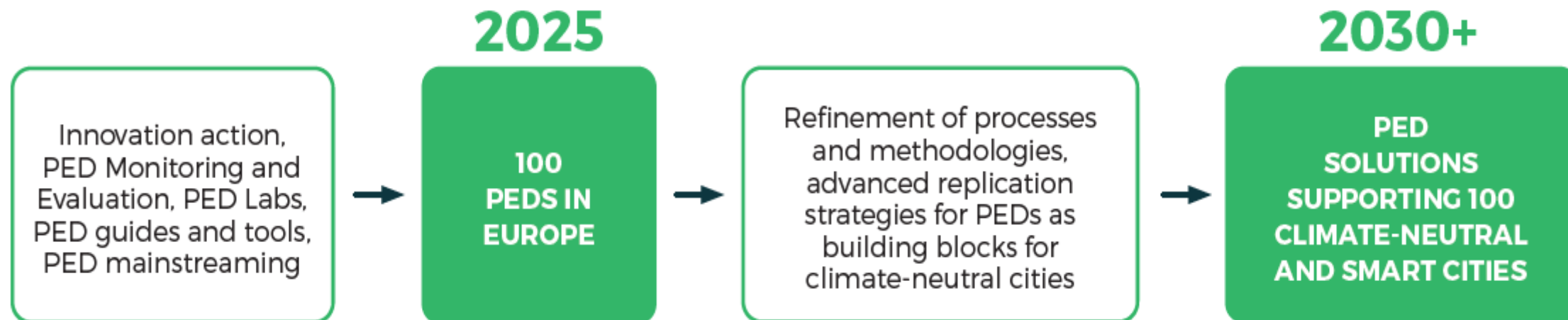


Deep dive into the DUT Transitions Pathways



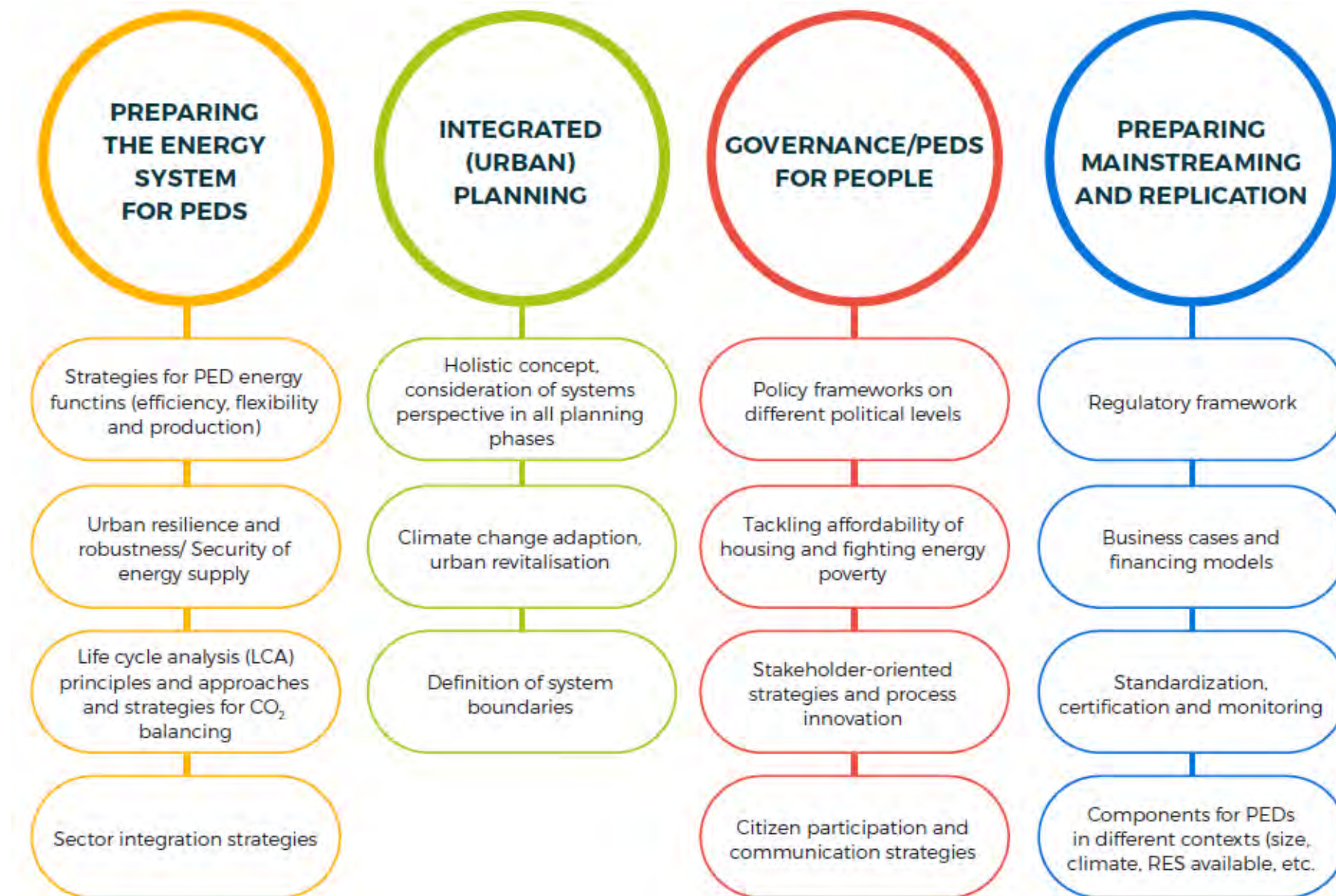
Positive Energy Districts

The PED TP Mission



PED TP

Key Areas of Action



Topic 1: Energy communities – energy transition driven by civil society

Topic 2: Energy flexibility strategies – technological, legal, societal challenges

Topic 3: Energy efficiency in existing urban structures

PED topics in DUT Call 1

- Keep holistic approach in perspective
- Address challenges and dilemmas
- Design and show innovative solutions and their replicability
- Link solutions with climate action, quality of life and quality design
- Link technological innovation with system innovation and social innovation
- Think people-centred - always consider behavioural aspects and socio-economic dynamics
- Think neighbourhood and its connection with the wider urban context



Topic 1: Energy communities – energy transition driven by civil society

Energy communities will strengthen the PED concept with its neighbourhood-oriented focus and contribute to a better organisational grounding of PEDs within local communities. They organise collective and citizen-driven energy actions that will help pave the way for a clean energy transition, whilst moving citizens to the fore. This topic focuses on bottom-up strategies for the energy transition and the role of energy communities as drivers.

Proposals are asked to

- **design and demonstrate strategies for mobilising active citizen participation in the energy market in a given local context through awareness- and capacity-building, linking with existing local initiatives, etc.**
- **explore initiation and onboarding processes for individuals and entities to an energy community**
- **design business model development in a given local context and design a process for technical implementation, planning and design of the energy-relevant assets in an energy community**

Topic 2: Energy flexibility strategies – technological, legal, societal challenges

For a climate-neutral future energy system based on renewables, energy flexibility is a core challenge. This topic focuses on energy flexibility actively contributing to the resilience and balancing of the regional energy system with the optimal benefit for the regional energy system in mind.

Proposals are asked to

- **identify barriers (national legal framework) for energy flexibility strategies and provide proposals for overcoming them, as well as identify gaps in the regulatory framework**
- **design innovative technological solutions and to show innovative bridging of existing technological solutions, and demonstrate them in a specific urban context, e.g. by means of Living Labs.**
- **design strategies for interaction between PEDs and the regional/national energy system**
- **design and demonstrate strategies for public participation and stakeholder involvement regarding energy flexibility solutions and to raise awareness and capacity**
- **demonstrate the impact of proposed solutions on energy security and the prevention of energy poverty, including the identification and addressing of systemic inequalities regarding energy supply**



Topic 3: Energy efficiency in existing urban structures

Energy efficiency strategies are crucial for achieving climate neutrality. This topic focuses on energy efficiency strategies in existing urban neighbourhoods, starting with strategies for the reduction of energy demand and for significantly improving efficiency of use of the remaining energy demand, including all different layers of energy: power/heating & cooling, mobility, embodied energy.

Proposals are asked to

- **provide innovative retrofitting and refurbishment strategies in an existing urban neighbourhood and to demonstrate the ability to replicate these strategies, disseminate them and foster replication**
- **consider aspects of design, cityscape and preservation of historical buildings and show the economic feasibility and inclusion aspects of proposed solutions.**
- **provide strategies and solutions for increased energy efficiency in the local/regional mobility and transport system as elements of a PED and to explore synergies between mobility, transport systems and decentralised energy generation and storage**
- **connect technological solutions with aspects of quality of life and inclusion and to link technological solutions with greening strategies and the improvement of the quality of public spaces**



15-minute City Transition Pathway

Mission, topics and topics



The 15-minute City...

...fosters urban mobility transitions by **improving accessibility and connectivity for sustainable forms of transportation and logistics, starting from the neighbourhood-level.**

...is based on the idea that city dwellers should be able to **cover the vast majority of their daily needs within a 15-minute radius, by walking and cycling**, while connecting to further districts and travelling larger distances by other forms of sustainable transport.

...seeks to **establish integrated and mixed-used neighbourhoods** at large and accounts for the diversity of contemporary lifestyles.

4

areas

Sustainable urban mobility
People-centred urban spaces and planning
Smart urban logistics, production and service sites
Urban governance for mobility transition

15-minute City: Mission

What do we want to achieve?

We facilitate **experimenting and testing innovations for urban mobility transitions** in co-creative learning environments.

Thus, we contribute significantly to the **transnational learning process for transformation** towards climate neutral, liveable, and inclusive cities.

How do we get there?

We support implementation through **R&D calls, and map, co-create and disseminate international experience** on 15-minute cities.

We add **10+ innovations every year** to the 15mC Innovation Portfolio, starting in 2025

Our mission

We build up and offer an **Innovation Portfolio and deliver experience** at the end of the partner-ship of **50+ innovations**

15-minute City: call topics

15mC topic 1: **Strengthen the mix of urban functions and services**

15mC topic 2: **Foster sustainable options for personal mobility and logistics in urban outskirts (and beyond)**

15mC topic 3: **(Re)imagine urban public spaces and streets for vibrant, sustainable neighbourhoods**

- How do we **reach the aims of the 15-minute city in different contexts?**
- Which are the **specific solutions needed?**
- What is the **added value of innovation?**

1 Strengthen the mix of urban functions and services

Challenge: Bring back a mix of functions after long practice of separating them, thus creating extended need for mobility in mono-functional neighbourhoods.

Proposals are invited to

- rethink the role and integration of services and institutions to strengthen neighbourhood functions.
- experiment and test incentivizing closely-knot networks where key functions are lacking.
- find ways to preserve existing and incentivize new space for social and work-related uses.
- explore (re)activation of un(der)utilised spaces
- make use of ambulant services in low-density neighbourhoods.
- ...





2

Foster sustainable options for personal mobility and logistics in urban outskirts (and beyond)

Challenge: Many questions on 15-minute City (focus proximity) unanswered in low- and mid-density neighbourhoods, in context of car-dependency and long distances.

Proposals are invited to

- rethink mobility in the (sub)urban outskirts.
- reuse, repurpose and reimagine existing infrastructure.
- investigate combinations, hubs, platforms, intermodal junctions for attractive mobility and personal logistic offers.
- deliver sustainable mobility between city centres and suburban areas.
- start from issues for active mobility and answer infrastructure needs
- strengthen sustainable mobility behavior, raising awareness.
- ...

3

(Re)imagine urban public spaces and streets for vibrant, sustainable neighbourhoods

Challenge: Urban public space as scarce and unevenly distributed resource, especially apparent since COVID-19.

Proposals are invited to

- propose how streets and neighbourhoods will look in climate-neutral cities – and work on realising them.
- offer true alternatives to the status quo.
- investigate strategies, procedures, tactics and narratives that reimagine streets, where central qualities lack.
- involve the needs and expertise of local population and business to (re)distribute street spaces for active mobility and social function of space.
- open semi-public spaces and public infrastructure for multi-functional use.
- ...



15-minute City: the call topics in few words

1

Built environment, mix of functions, shops and stores

2

Streets, personal mobility, transport of goods, walk- & bikeability

3

Streets and squares, semi-public space,
(re)distribution, tangible solutions



Circular Urban Economies

Intro, mission, and call topics



Circular Urban Economies

Challenges addressed:

- Environmental pressures
- Waste creation
- Linear economy
- Socioeconomic Inequalities

Cities characterised by **regenerative urbanism**:

- The natural cycles of the city needs to be restored while supporting a high quality of life to the inhabitants
- A transformative drive towards sustainable, healthy, inclusive and attractive urban spaces
- Regenerative design principles strive towards increasing liveability while reducing environmental footprints and closing material loops

**WHAT DO WE WANT
TO ACHIEVE?**

Foster the design of urban places characterized by regenerative urbanism, i.e., livable, inclusive, and green communities and neighbourhoods that are sustained by circular urban economies and resource flows.

HOW TO GET THERE?

Mapping work to identify criteria, key elements and building blocks for CUE approaches.
Add at least 10 new, improved or adapted solutions per year to a portfolio of circular urban economic innovations.

MISSION

A CUE portfolio with 50+ solutions that contribute to the urban transformation towards regenerative cities.

Circular Urban Economies: call topics

CUE topic 1:
Urban
resource
sharing and
circularity

CUE topic 2:
Nature-based
solutions
(NBS)

CUE topic 3:
Urban food
systems

- Broad topics
- All scientific fields and approaches are welcome
- Combine green and social aspects
- Broad understanding of innovation
- Consider the urban-rural continuum
- Consider gender aspects when this is relevant

CUE topic 1:
Urban
resource
sharing and
circularity

Projects are encouraged to address one or more of the following challenges:

- **What incentives and disincentives are needed to increase urban resource sharing and circularity, and to reduce resource use and consumption, and how could such incentives be designed and implemented in an inclusive way?**
- **How can urban resource sharing and circularity measures be designed and implemented so that the benefits of such measures strengthen social sustainability and justice?**
- **How can digital tools, and the application of digital tools, facilitate urban resource sharing and circularity without excluding marginalised or vulnerable groups in society, including those lacking digital access and capabilities?**



CUE topic 2:
Nature-based
solutions
(NBS)

Projects are encouraged to address one or more of the following challenges:

- **How can urban planning and design proactively consider and safeguard the use and reuse of blue-green resources, for climate adaptation and ecosystem services that benefit all citizens?**
- **How can co-design be used to identify and mitigate urban inequalities in processes for integrating nature-based solutions into local policies and plans?**
- **How can planning and urban design address multifunctional greening approaches in ways that cut across and integrate spatial and governance scales, from neighbourhoods to urban districts to peri-urban areas, and that contribute multiple benefits?**



CUE topic 3:
Urban food
systems

Projects are encouraged to address one or more of the following challenges:

- **What does a sustainable urban food system and supply chain look like, and how does it function and deliver both ecological and social sustainability benefits to local communities as well as to the entire region in which the urban area is situated?**
- **How can urban food systems be integrated with other urban resource systems, so as to increase circularity and decrease resource use and consumption, and how can the benefits of such systems be equally distributed?**
- **How can urban planning and design contribute to the realisation of urban food systems that provide sustainable and healthy food to all inhabitants, including low-income people and in ways that meet cultural diversity, and what barriers (legal, economic, social, etc.) need to be overcome for this to happen?**



General aspects of the DUT Call 2022

Call timeline, rules, how to apply

Paul Kuttner, Pascal Bain, Elena Simon

Participating countries and regions



Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Latvia, Lithuania, The Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United-Kingdom

The total national budget dedicated to the call is over EUR 70 million.

The EC will support the Partnership and its first two calls with up to EUR 37 million.

Participating countries and regions

- Please be well aware that not every Funding Agency in every country supports every research type and every pathway and topic.
- When building a consortium pay attention to the table 1 in Annex A and the information listed for each country in the Annex A
- National budgets, number of projects that may be funded are key information in Annex A, when building consortia

Timeline



Who can apply

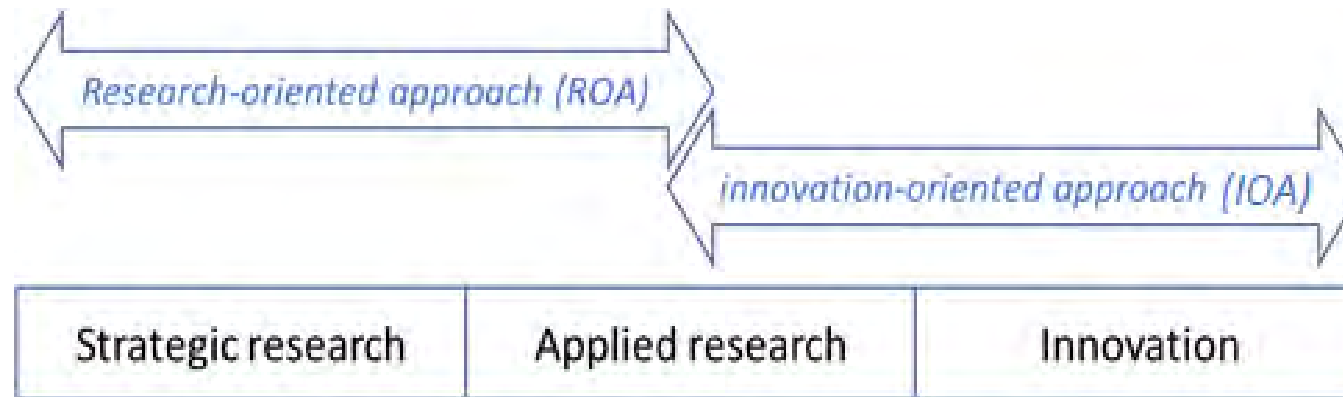
- **research organisations** (universities, university colleges, research institutes or other entities with research undertakings),
- **companies and commercial** organisations,
- **urban government authorities** (such as regional and local government institutions, municipalities and municipal organisations, city authorities, urban public administrations, and infrastructure and service providers),
- **consumers and civil society representatives** (e.g. local and community organisations, non-governmental organisations, not-for-profit organisations, citizens' representatives, etc.).
- Please be well aware that not every Funding Agency in every country may fund every organization type. Organisation types that can be funded may also differ for research types, pathways and even topics in one country or region. When building a consortium pay attention to the table 1 in Annex A and the information listed for each country in the Annex A

Who can apply – roles in a consortium

- The **Main Applicant** is the organisation responsible for coordinating and managing the project.
- **Co-applicants** are Applicants other than the Main Applicant, eligible for funding from a Funding Agency.
- **Co-operation Partners** are partners that are not eligible for funding from Funding Agencies.
- **Principle Investigators (PI)** are the **persons** acting as lead investigator for a main applicant or co-applicant

Types of research and innovation activities

- strategic urban research
- applied urban research
- urban innovation and implementation
- Projects may address one or two of these research types and must additionally select one approach: either research-oriented or innovation-oriented



Summary of transnational eligibility criteria

1. Only transnational projects will be funded; consortia must include at least three independent legal entities applying for funding from three different countries that have Funding Agencies participating in the call. In addition, at least two eligible Applicants within a consortia must be from different EU Member States or Associated Countries eligible for EC co-funding in this Call.
2. The project coordinator (Main Applicant) must be eligible to be funded by its national/regional participating Funding Agency and request funding.
3. One person must only participate in a maximum of two proposals as a PI, and only once as the PI of a Main Applicant.
4. Each consortium must include at least one urban government authority partner, either as a Main Applicant, Co-applicant or Cooperation Partner, depending on the national/regional eligibility criteria.
5. The duration of a project must not exceed 36 months.

Summary of transnational eligibility criteria

6. Pre-proposals/full-proposals must be written in English and respect the template form (in terms of overall size, limit of pages and characters). The template form must be completely filled in.
7. Pre-proposals/full-proposals have to be submitted on the UEFISCDI electronic submission system before the corresponding deadlines indicated in this document.
8. Only pre-proposals invited to submit a full-proposal are eligible in the second stage.
9. No fundamental changes between the pre-proposal and the full-proposal, initiated by the applicants alone, will be accepted.
10. National/regional rules may be more restrictive regarding this eligibility criterion.

National/regional eligibility conditions

- Please check carefully the specific national/regional eligibility requirements of each funding agency for which you are applying for funding.
- These are indicated in the (long) Annex A of the Call text.
- There is a specific table for each funding agency.

These conditions may relate to:

- the type of eligible partners (research organisations, private sector, NGO, local authorities, etc)
- the types, rates and amounts of expenses accepted
- the topics of the call that the funding agency will support
- the type(s) of research and innovation activities supported
- the fact that the submission of an application is expected at national/regional level
- ...
- In any case, for questions or enquiries about specific national/regional eligibility conditions, contact the persons indicated in the table of the funding agency. For some funding agencies, it is even mandatory to have this contact before the submission.

Project consortia - a fictional example

Transnational criteria:

- + Only transnational projects will be funded; consortia must include at least three independent legal entities applying for funding from three different countries..
- + ..

Country A:

- + consortium must include a company
- + For country A only research organisations, universities and companies are eligible for funding

Country B:

- + at least 2 municipalities in the consortium
- + national application must be submitted until January 10th

Country C:

- + For country C municipalities are not eligible for funding

Country D:

- + One person may only be nominated as PI in one proposal
- + the national criteria shown here are fictional, please always contact your funding agency!

Project consortia - a fictional example

- City of Blankton (main applicant, Country B)
 - PI of the main applicant: Julia Doe
 - Urban Enterprises (co-applicant, Country A)
 - PI: Julius Peterson
 - University of PEDs (co-applicant, Country C)
 - PI: Mark Unknown
 - Municipality of Zen (co-operation partner, Country Z)
 - LOI concretely stating how they will be involved in the project and how they will profit and partake from/in project results submitted online
 - Hamlet of Blankwood (co-operation partner, Country A)
 - LOI concretely stating how they will be involved in the project and how they will profit and partake from/in project results submitted online
- Are all partners and the consortium listed here eligible on a national level?
 - Is the consortium and the application eligible on a transnational level?

Please check with the funding agencies of Country A, B and C

Evaluation and selection process

- A two-stages process: pre-proposal / full, detailed proposal
- Evaluation by an international, independent expert panel at both stages.
- The evaluation of the expert panel will result on ranking lists corresponding, each, to a specific Transition Pathway and a research or innovation-oriented approach.

TP	Research-oriented approach (ROA)	Innovation-oriented approach (IOA)
PED TP	Ranking list PED + ROA	Ranking list PED + IOA
15minC TP	Ranking list 15mC + ROA	Ranking list 15mC + IOA
CUE TP	Ranking list CUE + ROA	Ranking list CUE + IOA

- Selection by a steering committee representing the funding agencies, based on the ranking lists and the available national/regional budgets committed to the Call.

Crucial for your proposal:

- the choice of the most relevant transition pathway
- the R&I approach (research-oriented approach (ROA) or innovation-oriented approach (IOA)) that best fits

Evaluation criteria

The pre and full proposals will be assessed by a panel of experts against the 3 standard families of criteria:

- *Excellence and Intellectual Merit*
- *Impact and User Engagement*
- *Quality and Efficiency of project implementation*

Evaluation scores over 5 will be awarded for each of the three criteria.

Criteria are decomposed into sub-criteria:

- some subcriteria will not be assessed in the 1st stage, only in the second stage (*italic in the following slides*).
- some subcriteria are specific to the research-oriented or to the innovation-approach.

Evaluation criteria (1)

Excellence – Intellectual Merit	
<ul style="list-style-type: none"> • Clarity and pertinence of the objectives • Credibility of the proposed approach and soundness of the concept • Added value of transnational co-operation • <i>Clarity and feasibility of the project design and of the proposed methodology*</i> • <i>Identification of risks and mitigation plan*</i> 	
Sub-criteria adapted to ROA: <ul style="list-style-type: none"> • Originality, contribution to new strategic knowledge, progress beyond the state-of-the-art 	Sub-criteria adapted to IOA: <ul style="list-style-type: none"> • Innovativeness of the approach compared to existing solutions

Evaluation criteria (2)

Impact and User Engagement (societal and broader impacts of project results)

- Relevance to the call topics
- Integration of diversity and gender perspectives in the project plan and goals when applicable
- Engagement of stakeholders (e.g. communities, cities, policy makers, regulators, NGOs, or industry)
- *Effectiveness of the proposed measures for the dissemination and/or exploitation of project results (*)*

Sub-criteria adapted to ROA:

- *Potential of the project to provide insights to an important societal issue and produce useful knowledge for stakeholders**

Sub-criteria adapted to IOA:

- *Market potential of the project and/or capacity to respond to a demand or a need**

Evaluation criteria (3)

Quality and Efficiency of project implementation

- Composition, quality, and suitability of experience and expertise of the consortium to address the project goals (including interdisciplinarity, cross-sectorial collaboration, and co-creation aspects where relevant)
- Complementarity and balance of substantial contributions of partners of the consortium
- Feasibility and appropriateness of timescale
- Global value for money (costs are realistic and reasonable with respect to the ambition of the project and the expected results and impact)
- *Appropriateness of costs allocation and justification of requested resources (staff, equipment, etc.) **
- *Appropriateness of the allocation of tasks and workloads, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role **
- *Appropriateness of the management structures and procedures, including risk, quality, and innovation management **
- *Consideration of regulatory and ethics issues, when necessary**

Partnering Support

Matchmaking Platform
of the Driving Urban
Transitions Partnership
for DUT Call 2022

Kathrin Rueegg



Identify and meet potential partners

Use the call specific B2Match matchmaking platform:

<https://dut-calls.b2match.io/>

- 1.Register
- 2.Create a strong profile
- 3.Search for partners and start to interact



Create a strong profile

Linda Danell
Project manager at [Trollhättans stad](#)

Trollhättans stad
City Authority / Municipality / Region / Participant

The municipality of Trollhättan is located in the south west of Sweden and has approx. 59 000 inhabitants. The municipality has a great history in engineering, such as car and airplane production. Sweden's next biggest city, Gothenburg, can be reached within 30 minutes by train.

AREA OF ACTIVITY

- PED Topic 1: Energy communities - energy transition driven by civil society
- PED Topic 2: Energy flexibility strategies - technological, legal, societal challenges
- PED Topic 3: Energy efficiency in existing urban structures
- 15mC topic 2: Foster sustainable options for personal mobility and logistics in urban outskirts (and beyond)
- 15mC topic 3: (Re)imagine urban public spaces and streets for vibrant, sustainable neighbourhoods
- CUE topic 1: Urban Resource Sharing and Circularity
- CUE topic 2: Nature-based solutions (NBS)

Registered on September 09, 2022

OPPORTUNITIES

PROJECT COOPERATION

Looking for projects!

The municipality of Trollhättan and its Urban Development Department are looking for partners to cooperate with! We have a strong focus on transformation and innovation and are open to explore a wide range of opportunities within the field of sustainable urban development and SDG 11.

Project Cooperation

- Add at least one!
- Describe your **project idea, aim, expertise & type of partner sought**
- Strong profiles facilitates the partner search on the platform


Be active – screen the online profiles and request meetings

Participants

PERSON ORGANIZATION

82 Participants found


Search


☐ BOOKMARKED 




☒ MATCHMAKING


☐ PARTICIPATION TYPES




Relevance



 **Larissa Beutler**
Innosuisse
BERN, SWITZERLAND
[View full profile →](#)

  **Request meeting** 

 **Martijn van den Hurk**
Assistant professor of Spatial Planning a...
UTRECHT, NETHERLANDS
[View full profile →](#)

  **Request meeting** 

Additional partnering support



- No good match on the B2match platform?
- Do you have a project in mind (description)?
- What type of organisation and skills do you need to complete the consortium?
- We help find partner through the Enterprise Europe Network (EEN)

Contacts for partnering

Enterprise Europe Network - Switzerland

Kathrin Rüegg

kathrin.rueegg@innosuisse.ch

Enterprise Europe Network - Other countries

<https://een.ec.europa.eu/about/branches>



Thank you!

<https://dut-calls.b2match.io/>



Questions and Answers

Please use the “Q&A” tool to pose your questions





COFFEE BREAK

We will be back at 12:00 CET

Conversations with transnational projects

Intro Christoph Gollner

Presentation of 2 JPI UE projects

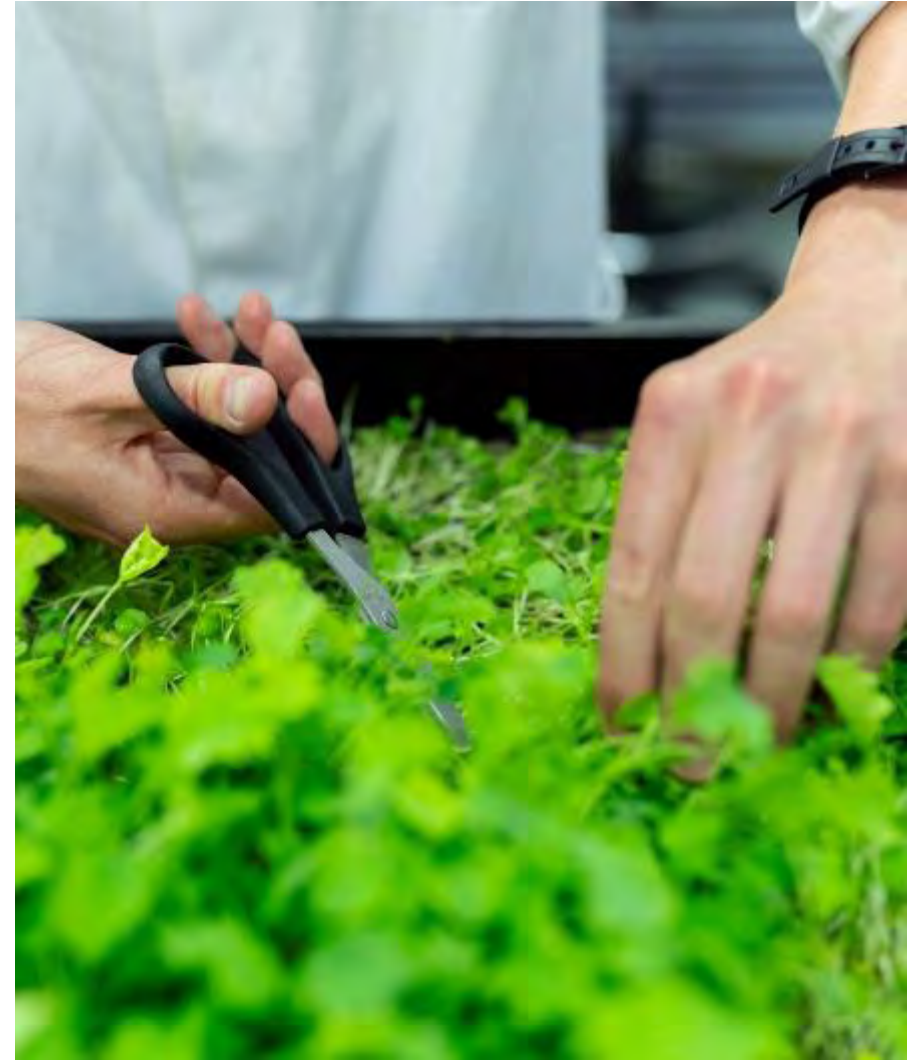
—> TRANS-PED – Andrew Karvonen (PED Call)

—> ASAP – Susanne Wrighton (ENUAC Call)



Questions & Answers

Please use the “Q&A” tool to pose your questions





Next steps

- Call text available at:

https://dutpartnership.eu/dut_call_2022/

- Keep posted for Info Day 2, 18 October 2022

Consortium looking for partner, entities looking for consortium

<https://dutpartnership.eu/>

- Always read your specific Funding Agency requirements

- Consult with your national contact point and/or reach us at **call2022@dutpartnership.eu**

- B2match platform:

<https://dut-calls.b2match.io/>

- Deadline for pre-proposal submission:

21 November 2022



Thank you

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