



JOINT CALL FOR PROPOSALS

PROJECTS ON **POSITIVE ENERGY DISTRICTS AND NEIGHBOURHOODS**

JPI Urban Europe / PED Programme Management
Austrian Research Promotion Agency FFG



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PED Programme – a transnational, intergovernmental R&I programme and joint initiative between SET Plan Action 3.2 and JPI Urban Europe

Mission: 100 Positive Energy Districts in Europe by 2025
synergistically connected to the energy system in Europe

URBAN EUROPE 

<https://jpi-urbaneurope.eu/ped/>



<https://setis.ec.europa.eu/>

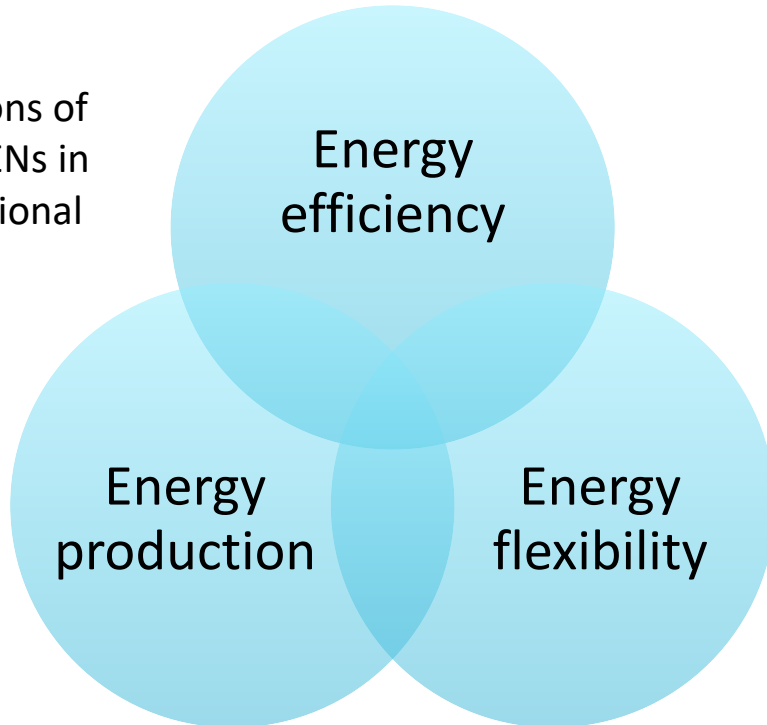
Liveable, sustainable, inclusive urban neighbourhoods

- PEDs as part of holistic urban strategies
- PEDs contributing to climate action and energy transition
- Aligning different approaches and diverse regional pre-conditions
- Support for cities as the „problem-owners“



PED Reference Framework: Function of PED/PENs in the regional energy system

Functions of PED/PENs in the regional energy system



Target:

Optimisation of the three functions of PEDs (energy efficiency, energy flexibility and energy production) towards climate neutrality and energy surplus by taking into account the guiding principles

Guiding principles:

- Quality of life
- Inclusiveness, with special focus on affordability and prevention of energy poverty
- Sustainability
- Resilience and security of energy supply

Enablers:

- Political vision and governance framework
- Active involvement of problem owners and citizens
- Integration of energy and urban planning
- ICT and data management



PED Framework Definition

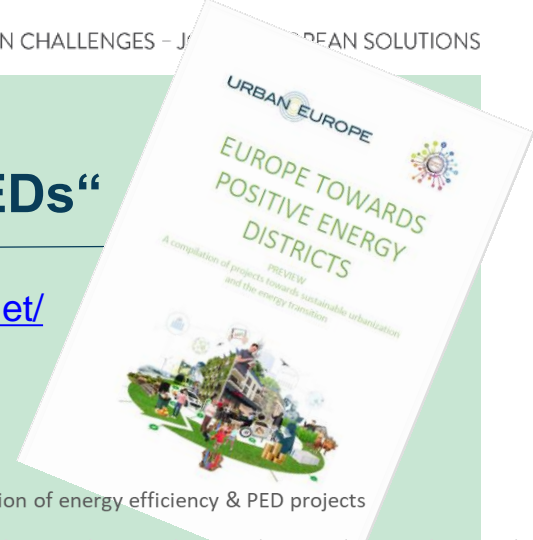
“Positive Energy Districts are energy-efficient and energy-flexible urban areas or groups of connected buildings which produce net zero greenhouse gas emissions and actively manage an annual local or regional surplus production of renewable energy. They require integration of different systems and infrastructures and interaction between buildings, the users and the regional energy, mobility and ICT systems, while securing the energy supply and a good life for all in line with social, economic and environmental sustainability.”



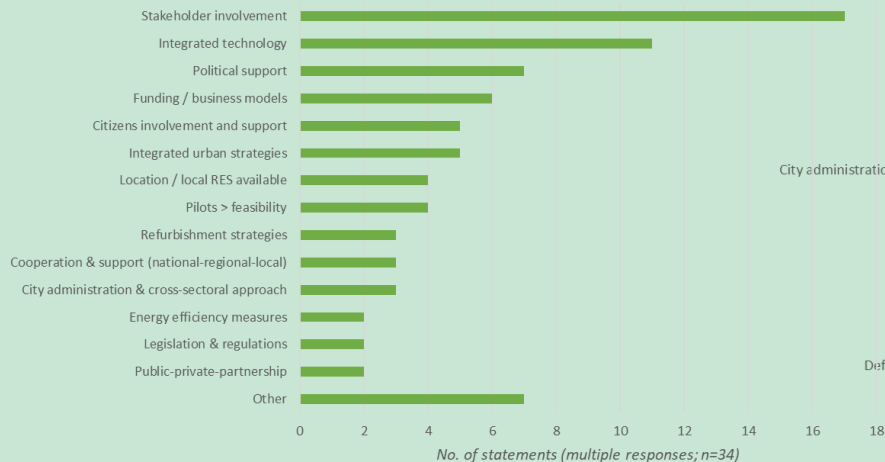
Mapping of projects: „Europe Towards PEDs“

<https://jpi-urbaneurope.eu/news/new-cases-in-positive-energy-districts-booklet/>

→ 60+ projects, of which 29 projects with clear PED ambition in planning phase/construction phase/operation phase

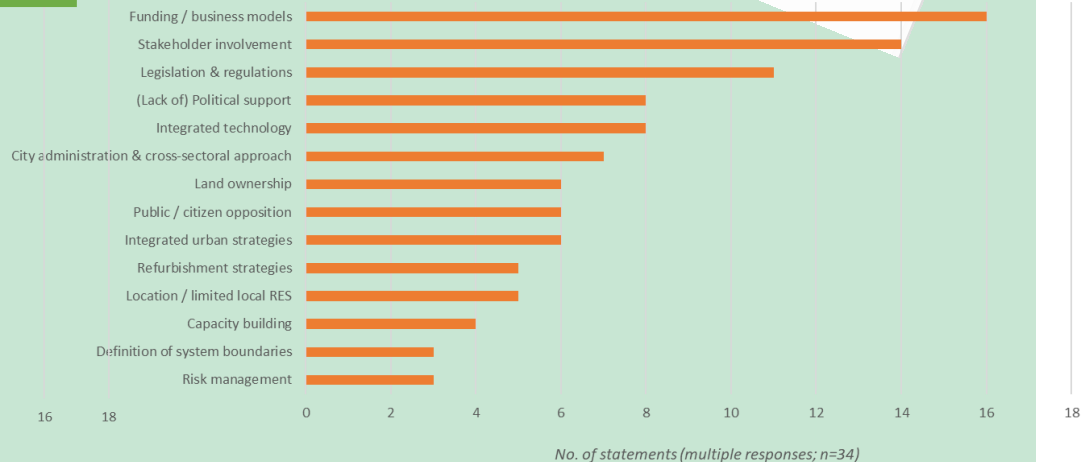


Success factors for implementation of energy efficiency & PED projects



Source: PED Programme Booklet of Positive Energy Districts in Europe; Aug. 2019

Challenges & barriers for implementation of energy efficiency & PED projects



Source: PED Programme Booklet of Positive Energy Districts in Europe; Aug. 2019



Aims of the Call

- Positive Energy Districts and Neighbourhoods may serve as a crucial contribution to achieve climate and energy targets. This call focuses on **exchange of experience between PED ambitions and initiatives**.
- With this call, JPI Urban Europe aims to create a **transdisciplinary and cross-sectoral community** working in the field of the energy transition in the urban context, who can **align, synthesise, consolidate, and learn from each other** with regard to the **development and mainstreaming of PEDs/PENs**.



Call Topics

- **Topic 1: Contributing to the climate-neutral city: Holistic approaches for PED implementation**

In order to be successful on a large scale, the implementation of PEDs must meet general goals of sustainable urban development and urban qualities. Therefore, PED implementation needs to be integrated in holistic approaches, which imposes challenges on strategy development, planning, monitoring and evaluation. From an urbanistic view, it is an imperative to not view energy goals separately or as a matter of priority, but to involve them in systemic strategies aiming at creating sustainable, liveable, inclusive neighbourhoods fit to meet the challenges of our generations. In the end, PED implementation must contribute to creating high quality urban environments in line with climate, energy and sustainability goals.



Call Topics

- **Topic 2: Embeddedness in local contexts: Applied approaches for integrating PEDs in different urban contexts and the legal framework**

The PED Programme aims at developing a framework suitable for different urban contexts. Different pre-conditions require applied approaches both regarding strategies and technological solutions and might lead to considering wider urban/regional/national contexts in order to achieve a positive energy balance. PEDs need to be adapted to different urban contexts and the redevelopment of existing urban structures towards sustainability.



Call Topics

- **Topic 3: Engagement and governance: Urban governance, stakeholder involvement concepts and business models**

Holistic approaches for PED implementation require cross-sectoral approaches and innovative stakeholder involvement concepts in planning, implementation and operation respectively. This poses challenges for governance structures on regional, city and local (neighbourhood) levels and a re-consideration of the integration of top-down and bottom-up approaches. Identification and adequate involvement of relevant stakeholders and therefore the development of applied strategies in the PED implementation process from the beginning can be seen as a key factor for implementation success.



Call Topics

Guiding questions for projects across all topics may be:

- Which projects and initiatives have been successful? Which not?
- What have been critical success factors? What are the main barriers?
- Which projects or project elements are particularly useful for replication?
- Which approaches are suitable for new urban development? Which for existing neighbourhoods?
- Which methodologies for the calculation of CO2 emissions are used?
- What are the multiple benefits that the PED implementation may provide to the urban ecosystem?



Timeline

- **Call opening:** 16 April 2020
- **Proposal deadline:** 24 September 2020, 12:00 a.m. CEST
- **Eligibility Check:** September – October 2020
- **Meeting of Expert Panel to assess proposals:** November 2020
- **Funding recommendation by the Steering Committee:** November 2020
- **National funding decisions and announcement of results to Main Applicants:** November – December 2020
- **Start of the projects:** December 2020 – February 2021
- **Kick-off meeting:** 2021
- **Final Projects Event:** 2022



Types of Projects

Projects should support:

- Transnational benefit
- Interdisciplinarity
- Transdisciplinarity, involvement of “stakeholders”, practitioners, citizens, community groups, NGOs
- Outputs and outcomes of the projects, broader impacts of the proposed activity



Types of Projects

Transnational Eligibility Criteria:

- Only **transnational projects** will be funded.
- Each consortium must involve **at least two applicants eligible for funding** coming **from two different countries** whose funders participate in the call. All three legal entities must be independent from each other.
- The **project coordinator must be eligible to be funded** by his/her national/regional participating funding organisation.
- The duration of a project **must not exceed 2 years**.
- Proposals must be **written in English** and respect the template form. The template form must be completely filled in.
- Proposals have to be submitted via the **FFG electronic submission system**.
- Proposals have to be submitted before the corresponding deadlines indicated.



Types of Projects

Type of research (from applied research to demonstration; TRL 3-7):

- Applied research (TRL 3-4 – proof of concept, research to proof feasibility, small scale prototypes),
- Piloting/testing/labs (TRL 5-6 – prototype testing in real environment),
- Demonstration (TRL 7 – demonstration in real environment, system integration).



Who can apply?

Applicants can come from organisations such as:

- Companies (from industry/large companies to SMEs), especially public utility companies (e.g. in the field of energy supply, other communal supply and disposal systems,...); energy service providers; real estate developers, investors, facility management providers; actors from the fields of energy, spatial and transport planning
- Cities, municipalities, regions
- Consumers (e.g. business enterprises, test households, etc.)
- Citizens' representatives, NGOs
- Research organisations (universities, university colleges, research institutes or other authorities with research undertakings)



Matchmaking / Events

We wish to welcome interested actors to the **LinkedIn group “Networking in Positive Energy Districts and Neighbourhoods”** for self-organised networking and matchmaking. This is a group where you can continue to explore the possibilities for developing and submitting a joint call proposal together with more stakeholders or find possible future partners before the matchmaking event. Find the group here:
www.linkedin.com/groups/13849024/

Further events to be announced!



Contact

Participating Countries:

Austria, Belgium (Brussels Capital Region), Czech Republic and Sweden

A full list of national contacts and national eligibility criteria can be downloaded here:

jpi-urbaneurope.eu/calls/ped-pilot-call/

If you have questions on the general call process and proposal submission, please contact the **Call Secretariat**:

- Johannes Bockstefl
(*also contact for questions related to the electronic submission system*)
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Links & Documents

On the call page you will find :

- **Online Submission System**
- **Call text**
- **Call presentation**
- **Proposal form**
- **List of National Contact Points**
- ***Find all documents here:***
jpi-urbaneurope.eu/calls/ped-pilot-call/



<https://setis.ec.europa.eu/>
<https://jpi-urbaneurope.eu/ped/>

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