



PED Programme Positive Energy Districts for Sustainable Urban Development

05 March 2020

Housing Europe Urban Affairs Working Committee

Christoph Gollner (PED Programme Management)



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

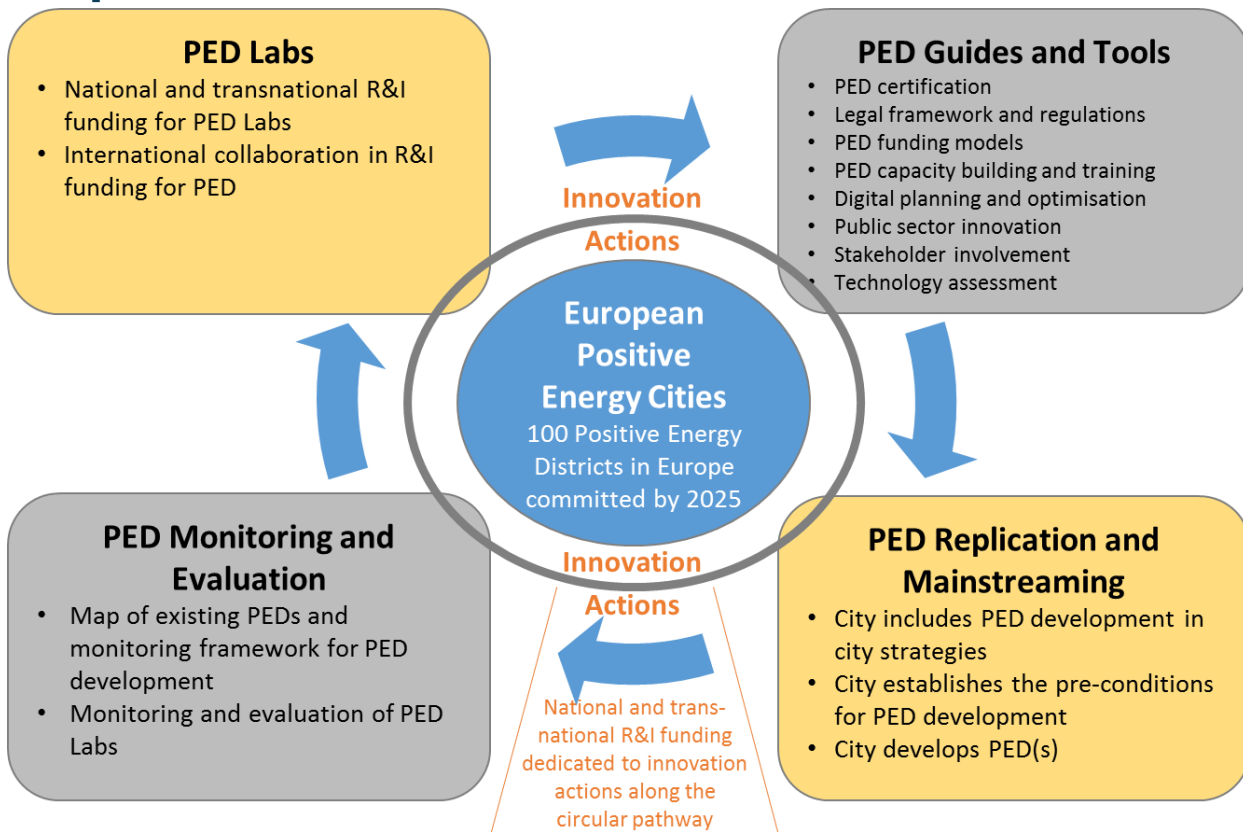


Liveable, sustainable, inclusive urban neighbourhoods

- 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“



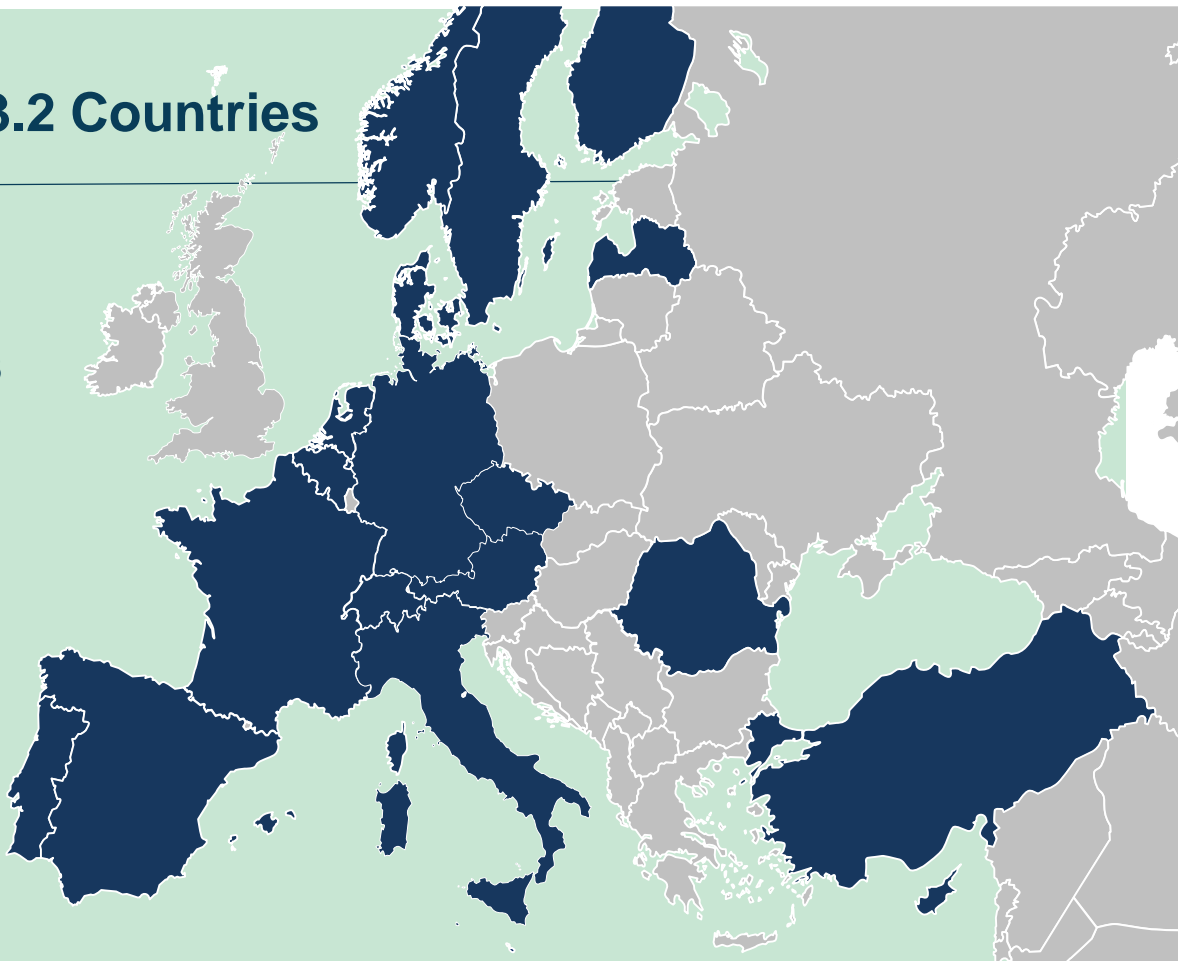
Implementation Plan 3.2 for PEDs





SET-Plan Action 3.2 Countries

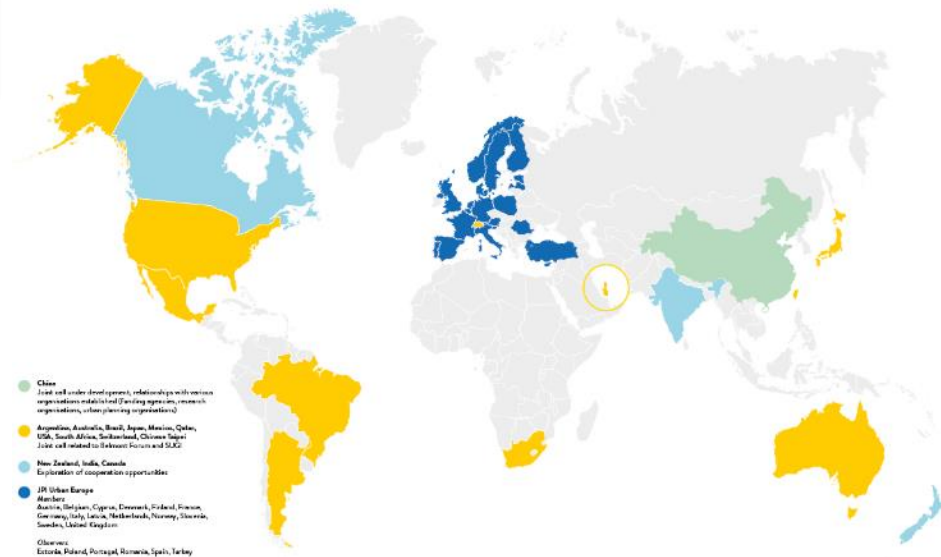
- **Transnational, intergovernmental R&I programme; kick-off Oct. 2018**
- **SET Plan Action 3.2 & JPI Urban Europe**
- **18 countries actively support the action:**
AT BE CH CY CZ DE DK ES FI
FR IT LV NL NO PT RO SE TR



PED Programme joining forces with JPI Urban Europe

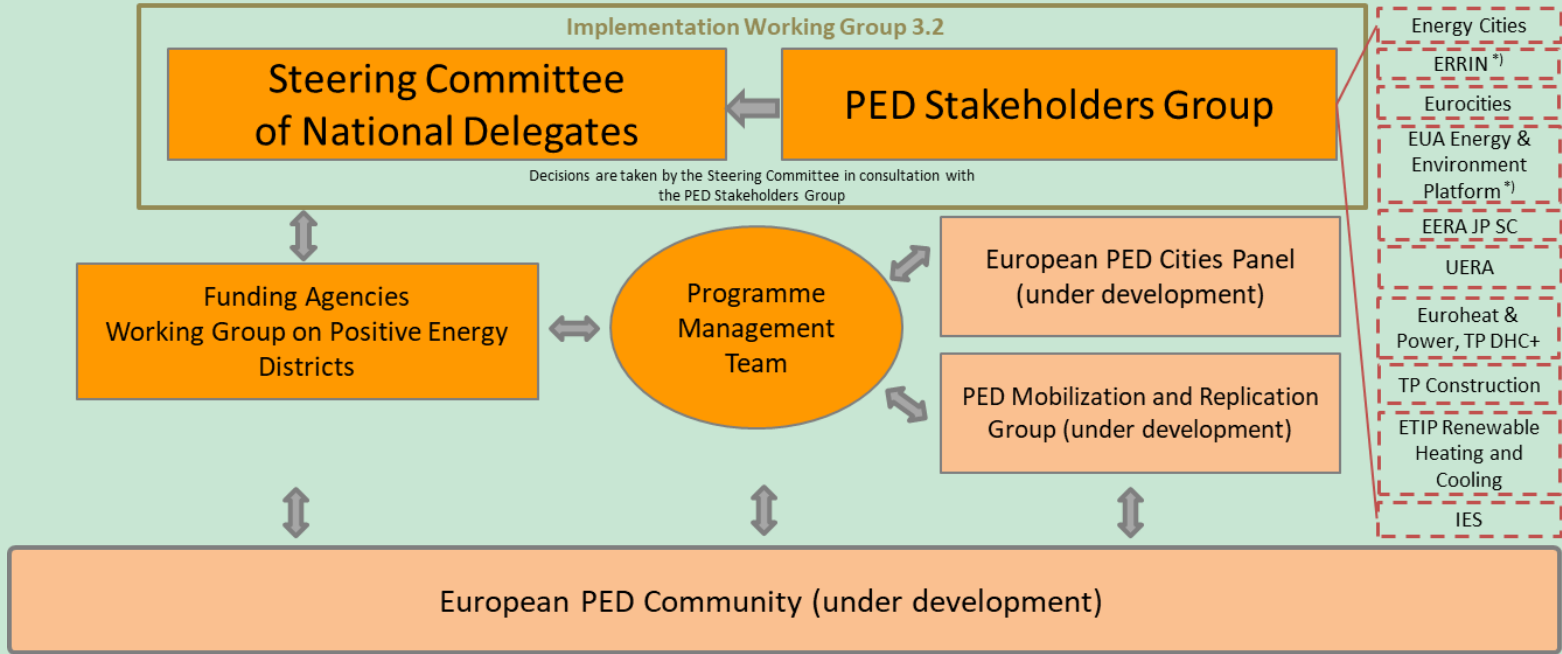
**an intergovernmental R&I initiative
on urban transitions and
sustainable urban development**

- 20 European countries participating
- ~ 85 million Euro public investment for joint calls
- 7 calls implemented, thereof 3 in cooperation with H2020
- 80+ projects funded
- 25+ European funding agencies cooperating
- Cooperation schemes with Belmont Forum and China established





Governance Structure SET-Plan Action 3.2



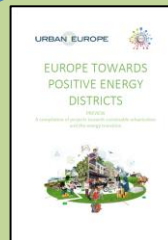


Highlights 2019

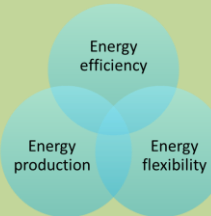


PED Programme Cities Workshop
3 – 4 April 2019,
Vienna

Mission: 100 Positive Energy Districts in Europe by 2025



PED Booklet,
Version 1 (mapping)



PED Framework
Version 1 &
national
consultation



Commitment of
supporting countries
(SET Plan Action 3.2
SC Meeting, 24 – 26
June, Copenhagen)

Phase of Action	2019/20	2020	2021
Initiation of national programmes	National Calls (personnel)	National Calls	Nat
Implementation of national projects	Joint R&D project on alignment Joint R&D services/studies	Joint R&D project on alignment Joint R&D services/studies on capacity building for PEDs	Joint R&D project on alignment Joint R&D services
Innov. Actions	Preparation PED Labs	PED Labs Joint R&D projects on PED	Interreg cooperation PED Lab R&D projects

PED Call Agenda
& PED Call I
preparation



PED City Panel
Kickoff
5 – 6 Nov. 2019,
Berlin



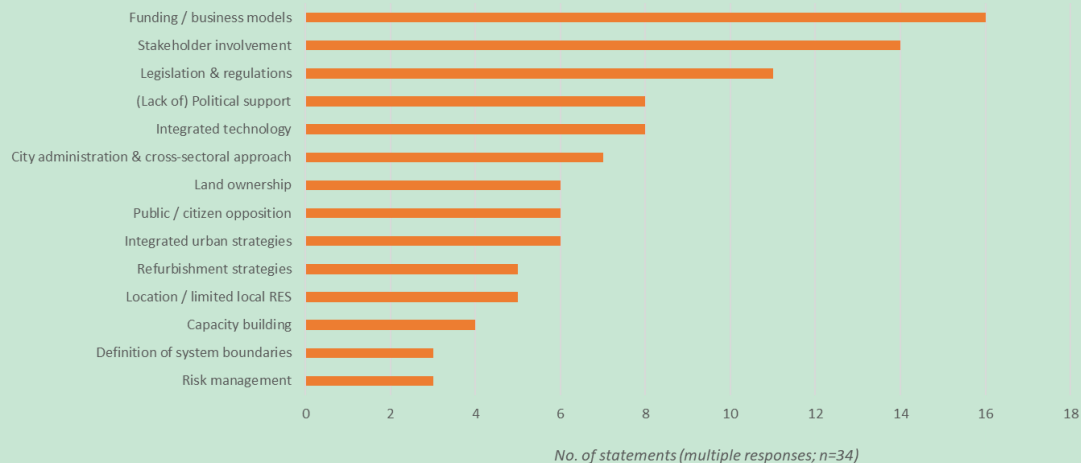
Mapping of projects: „Europe towards PEDs“



<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

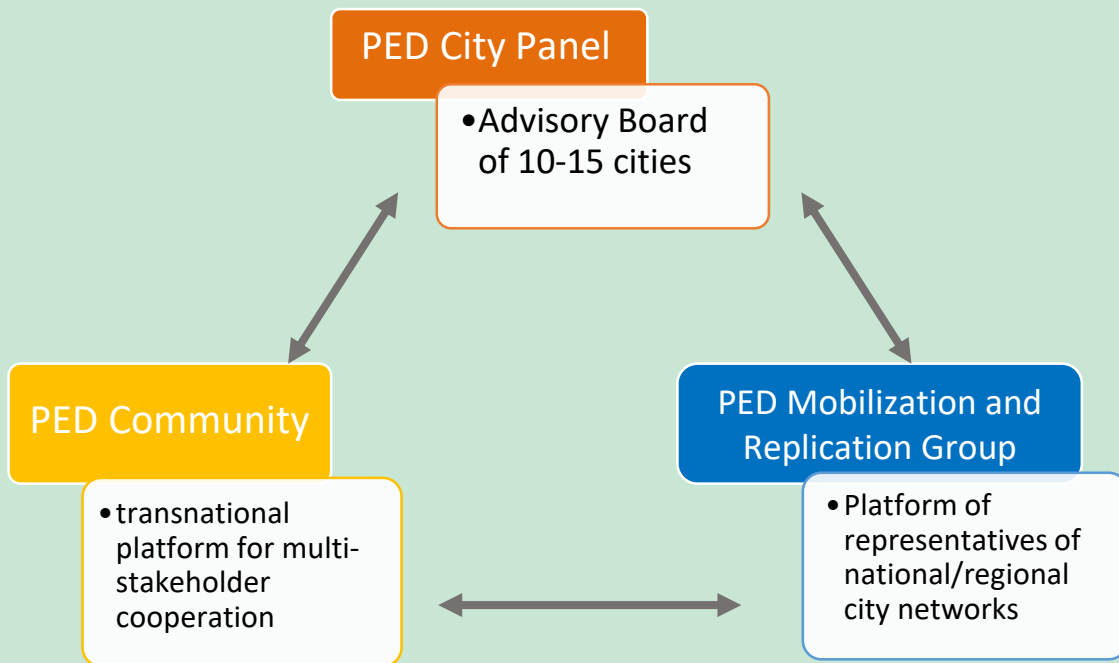
Challenges & barriers for implementation of energy efficiency & PED projects



No. of statements (multiple responses; n=34)



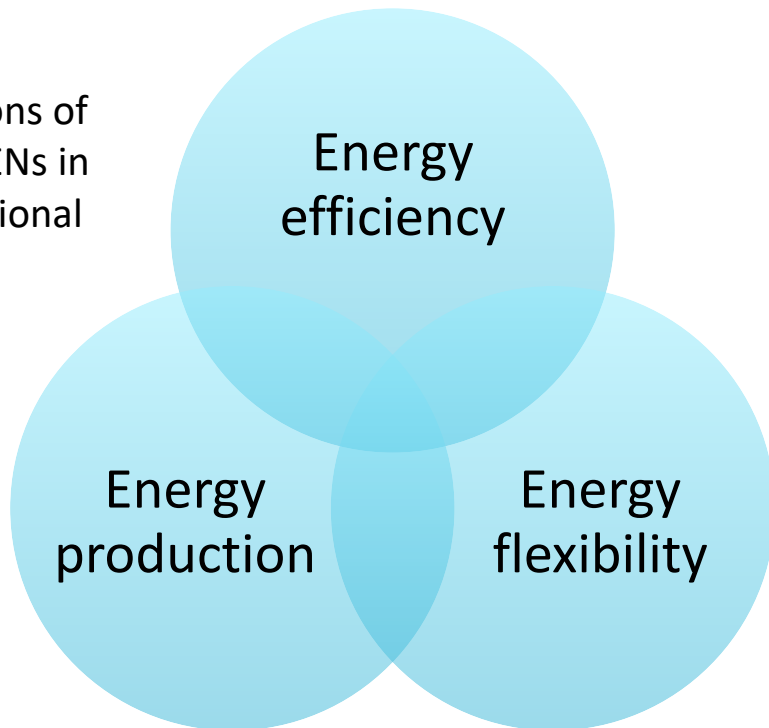
Towards a European PED Community: Involvement of Urban Stakeholders





White paper on PED Framework under preparation

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

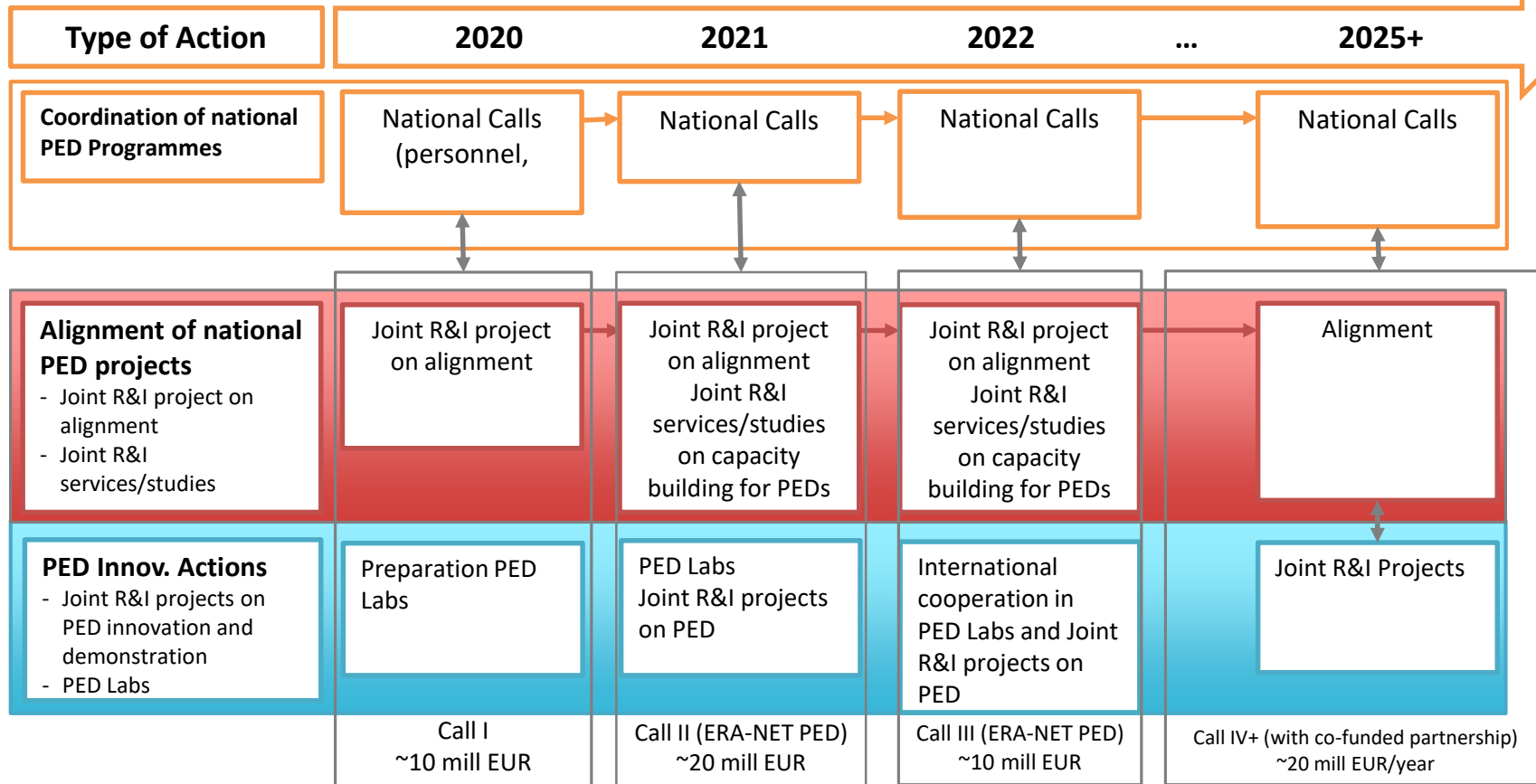
Guiding principles:

- 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

Call Agenda on PEDs – connecting national R&I programmes





PED Pilot Call I

Participating countries: AT, BE (BRU), CZ, FI, NL, SE, SCO (to be confirmed)

Topics (under development):

- Contributing to the climate-neutral city: Holistic approaches for PED implementation
- Embeddedness in local contexts: Applied approaches for integrating PEDs in different urban contexts and the legal framework
- Engagement and governance: urban Governance, stakeholder involvement concepts and business models

Timeline:

- opening: April 2020 (tbc)
- closing: September 2020 (tbc)



PED Call II and III (within ERA-NET Cofund on PEDs)

Scope:

1. applied research, strategic innovation and demonstration projects
2. transnational innovation labs, innovation platforms and experimental areas for PED/PENs
3. formats to build local capacity and institutional learning in PED/PEN planning, development and operation with the aim to replicate and mainstream PED/PENs

Time Line

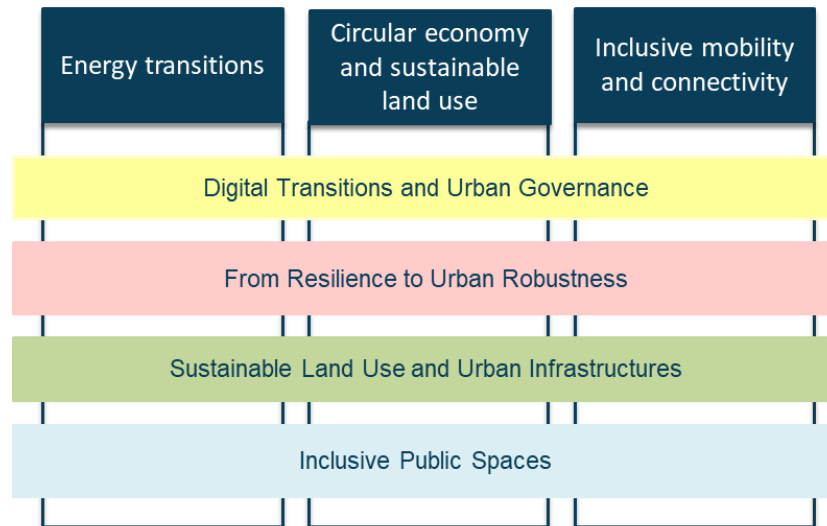
- Call II opening early 2021
- Call III opening early 2022



Urban Partnership under Horizon Europe: Driving Urban Transitions to a Sustainable Future DUT

aims to

- ... create sustainable and liveable neighbourhoods and urban areas
- ... by jointly investing in challenge-driven R&I on critical issues hindering the exploitation of new solutions, approaches and technologies
- ... fostering co-design of urban transition pathways and implementation strategies and
- ... making knowledge and evidence available for mainstreaming and replication





Next

- **PED AGORA Workshop on PED Framework operationalization**
3 April, 09:00 – 16:00 (site visit: 16:30 – 17:30), Lisbon
Registration
<https://jpi-urbaneurope.eu/event-calendar/agora-workshop-about-positive-energy-districts-in-lisbon>
- **Consultation on Urban Partnership DUT → AGORA Workshop 5/6 May in Innsbruck, AT (tbc)**
- **MatchMaking PED Call I in May 2020 in Brussels (tbc)**

Christoph Gollner
Coordination PED Programme Management
christoph.gollner@ffg.at

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

URBAN EUROPE

