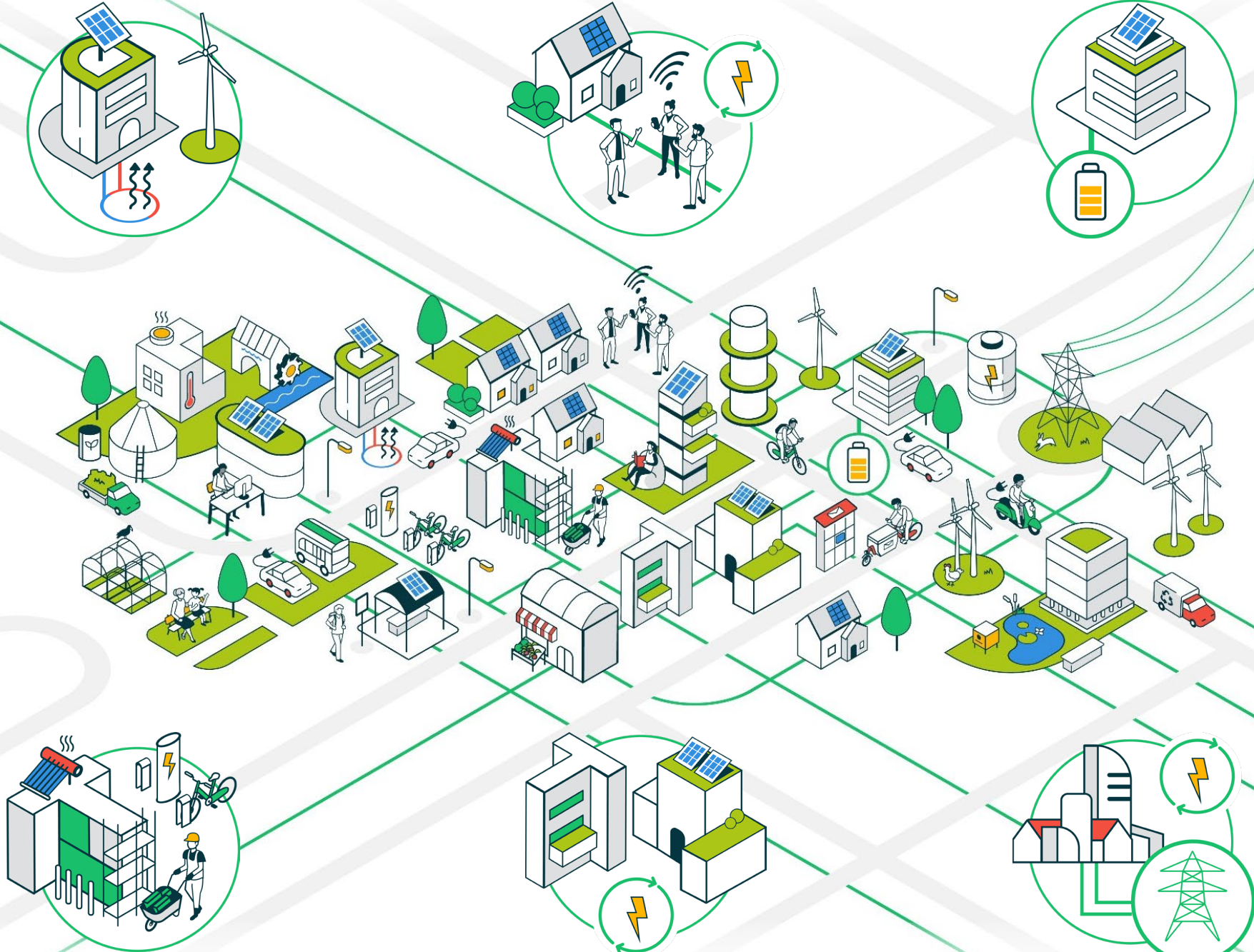


Positive Energy Districts

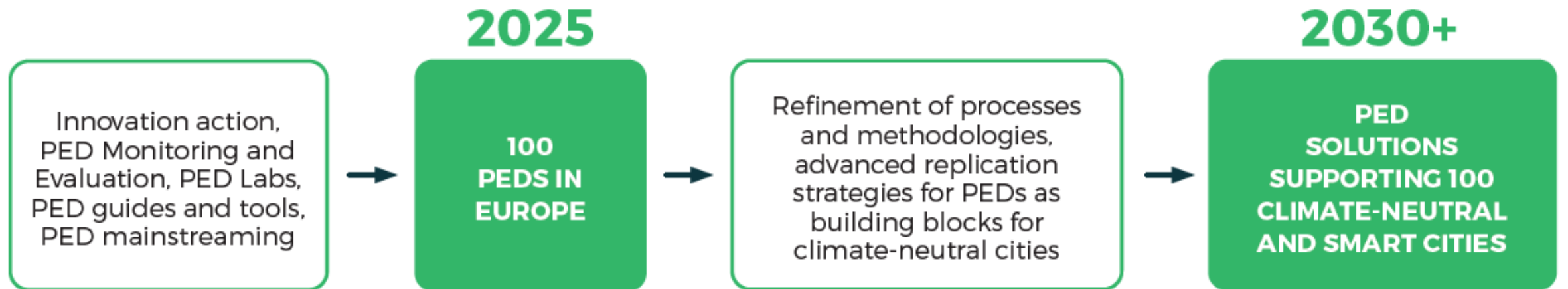
for the urban
energy transition



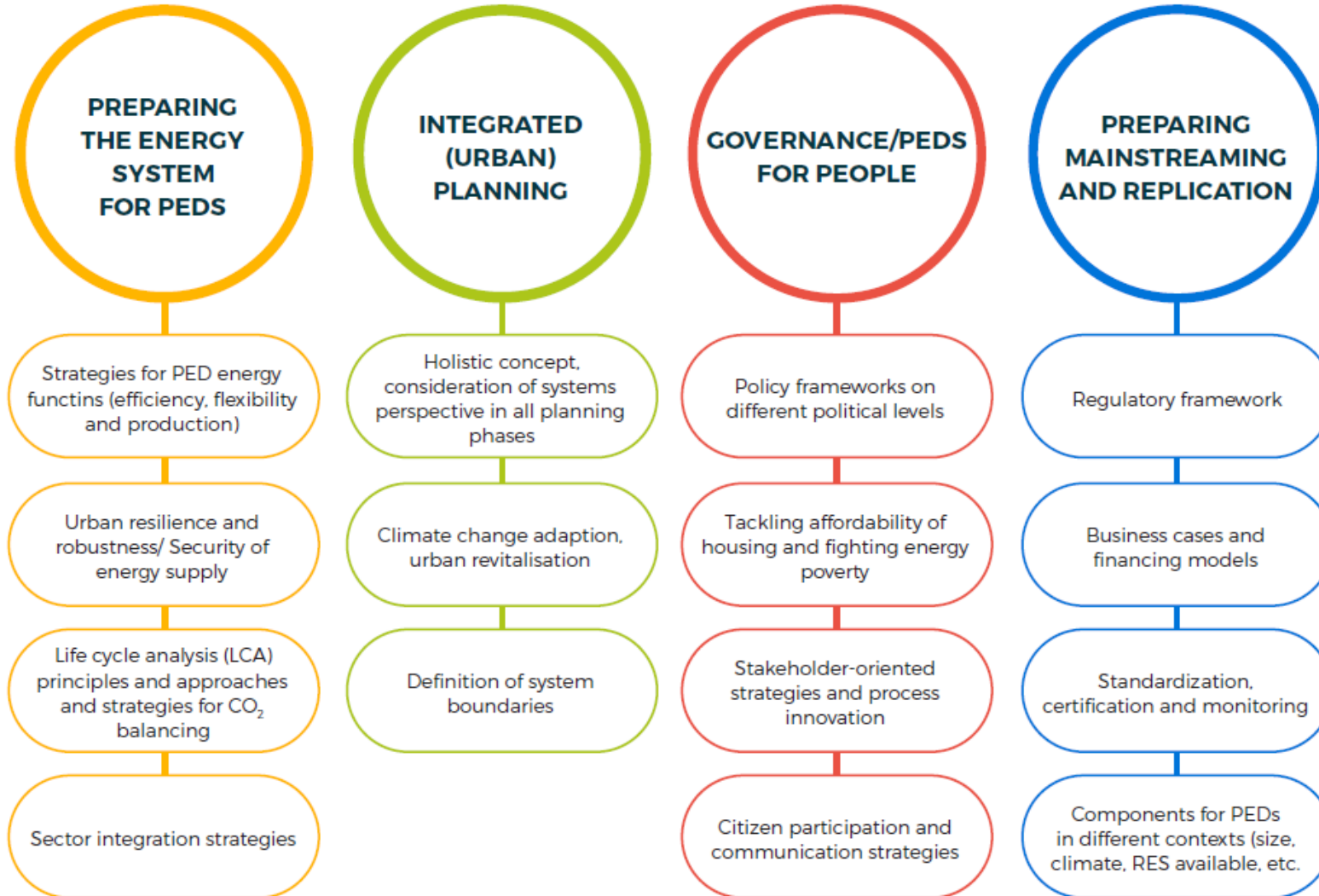
- PEDs as a tool for cities to address the urban energy transition and climate-neutrality
- Holistic strategy
 - combining technological with system and social innovation
 - combining with greening strategies, quality of life and equity
 - mainstreaming energy in urban planning processes
- Decentralisation of the energy system
 - improving energy security by local fossil-free energy generation,
 - reducing energy demand and providing energy efficiency solutions,
 - active interconnection with the regional and national energy systems
 - local communities



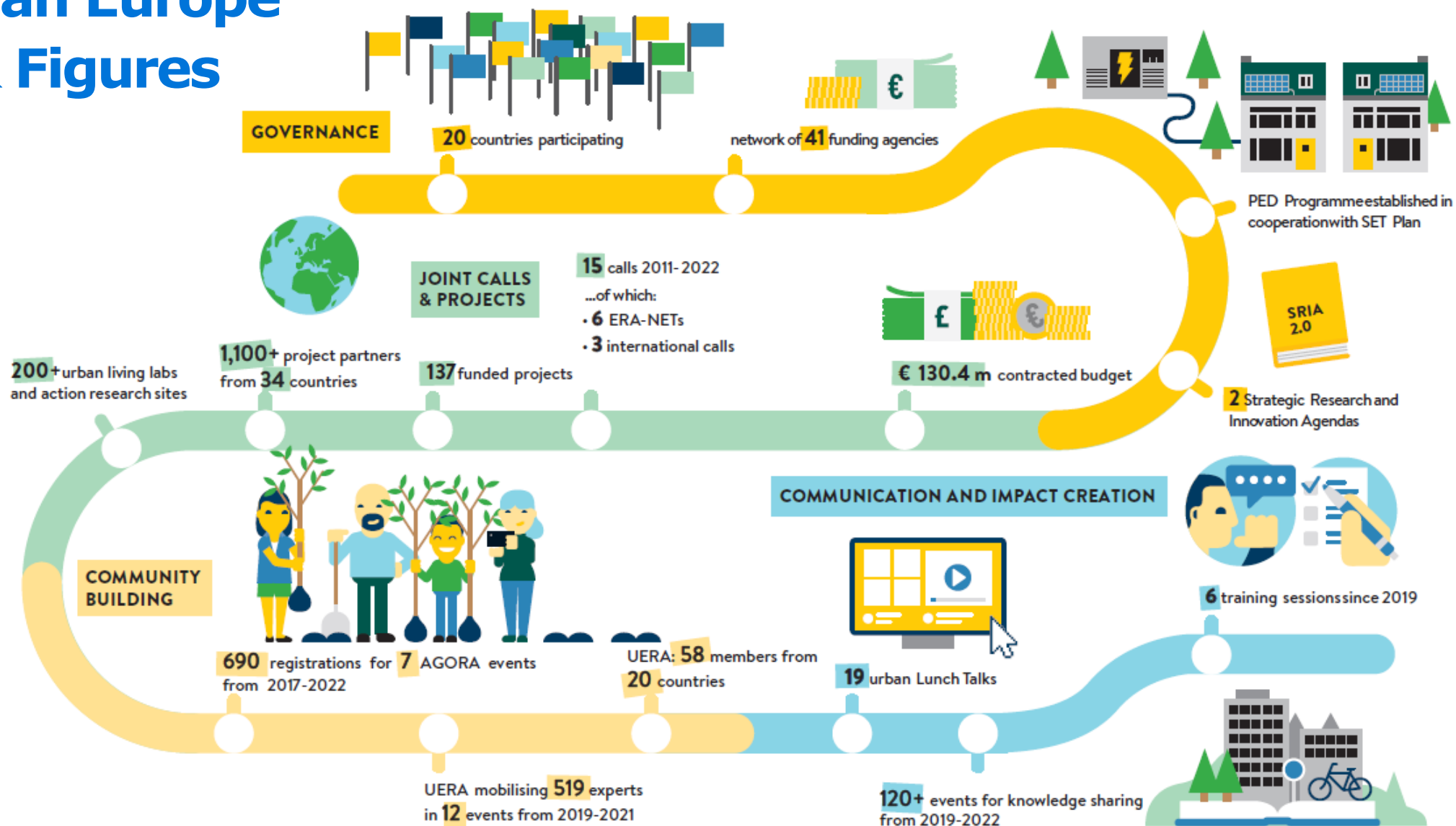
The PED Mission



PED Key Areas of Action



JPI Urban Europe Facts & Figures



GOVERNANCE

20 countries participating

network of 41 funding agencies

PED Programme established in cooperation with SET Plan

JOINT CALLS & PROJECTS

15 calls 2011-2022
...of which:
• 6 ERA-NETs
• 3 international calls

€ 130.4 m contracted budget

2 Strategic Research and Innovation Agendas

COMMUNITY BUILDING

690 registrations for 7 AGORA events from 2017-2022

UERA: 58 members from 20 countries

UERA mobilising 519 experts in 12 events from 2019-2021

COMMUNICATION AND IMPACT CREATION

19 urban Lunch Talks

6 training sessions since 2019

120+ events for knowledge sharing from 2019-2022

The DUT Partnership

- A public-public partnership, co-funded by 28 European countries and the European Commission
- DUT Consortium of 60+ partners
- approx. 450 Mio indicative budget for 2022-2028

The DUT Partnership steps up the game to tackle urban challenges. We enable local authorities and municipalities, business and citizens to make global strategies into local action. We develop the skills and tools to make urban change happen and boost the urgently needed urban transformations.



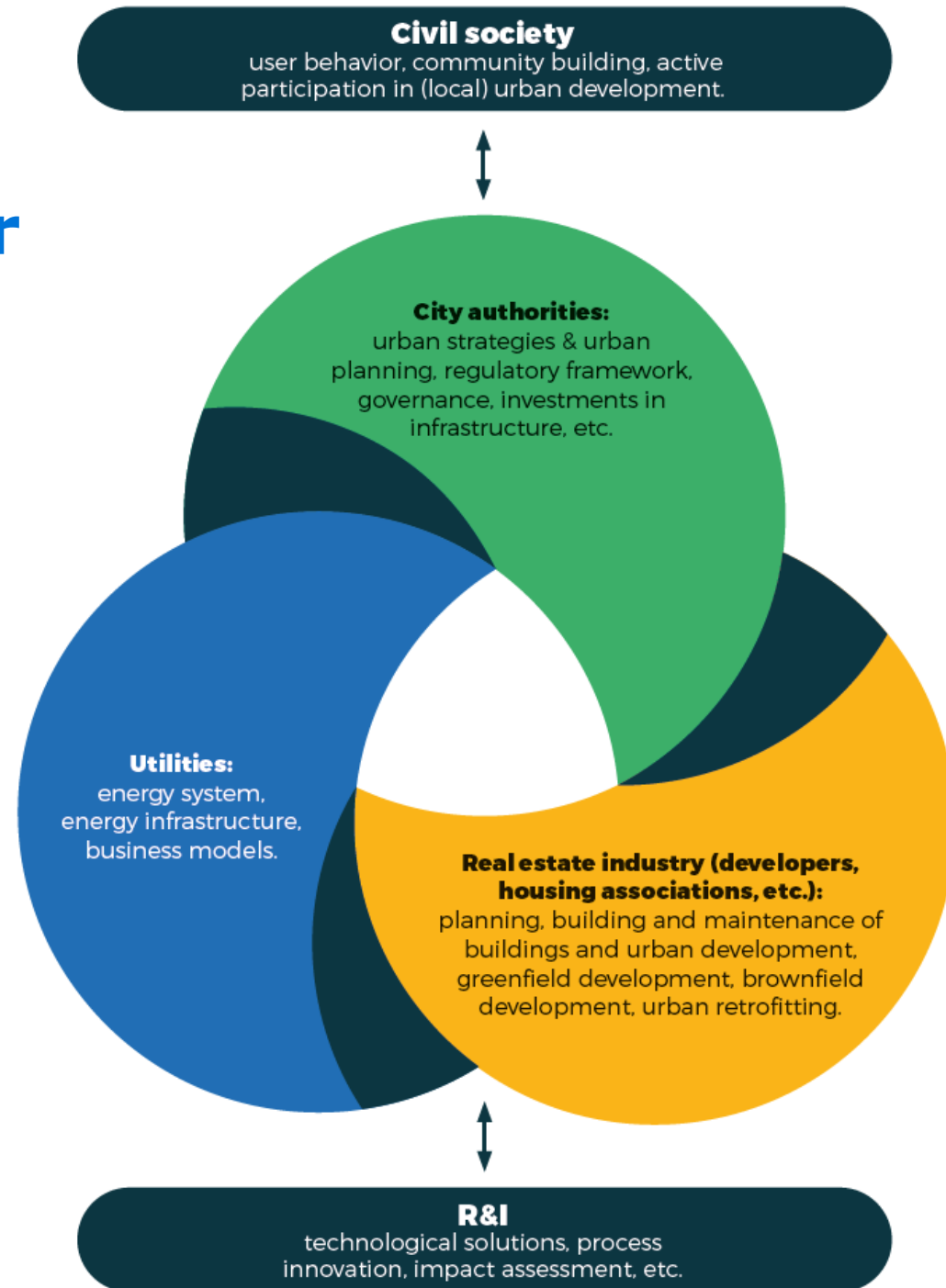
PED Programme Journey

From JPI UE PED Programme to DUT PED Transition Pathway

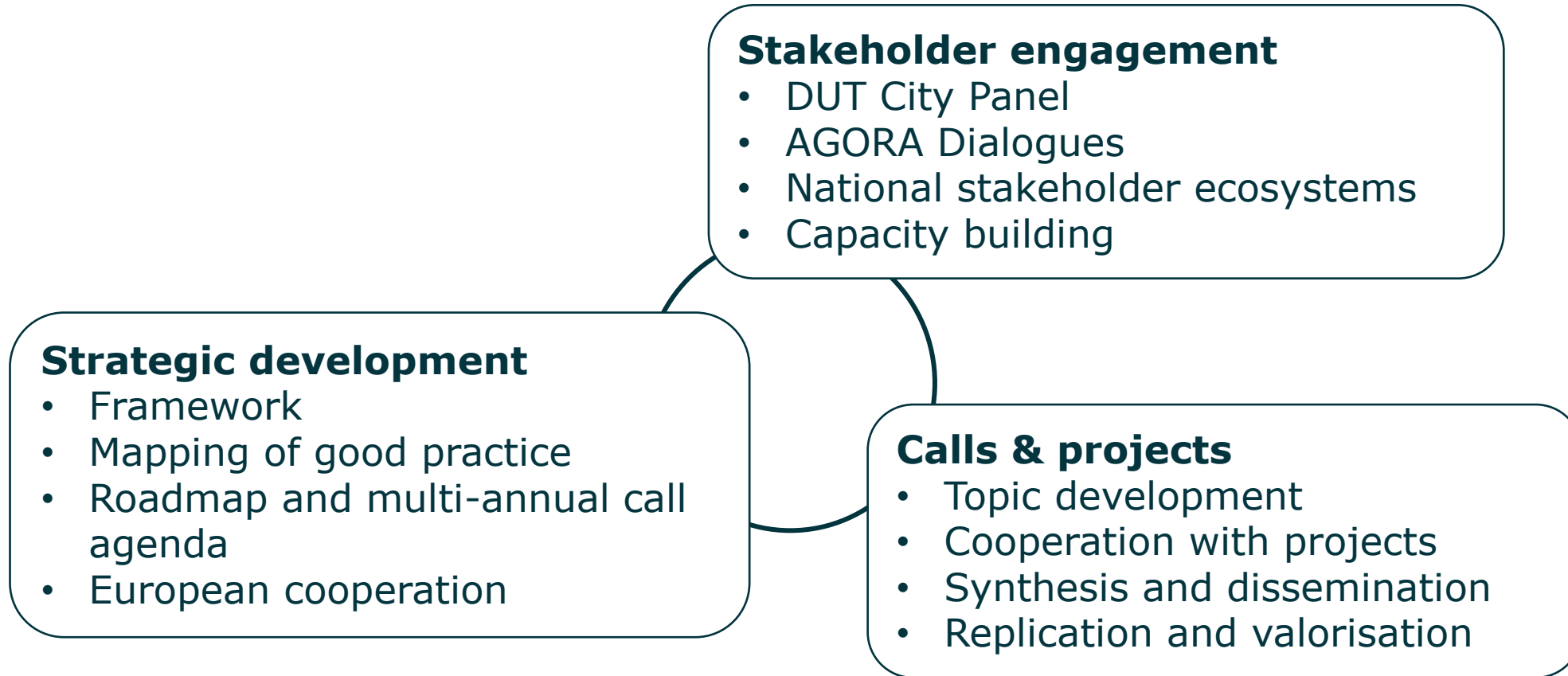
- 2018: Kick-off PED Programme as joint initiative of SET Plan and JPI Urban Europe
- 2020: PED Pilot Call
- 2021: PED Call II
- 2022: Kick-off Driving Urban Transitions Partnership with PED one of three Transition Pathways
- 2022: DUT Call 2022 - proposals currently under evaluation
- 2023: DUT Call 2023 - launch in September
Stakeholder consultation on priorities (PED, 15mC, CUE) under way – join until 6 Feb:
<https://encuesta.fecyt.es/respweb/cuestionarios.aspx?EID=2870933>
- International cooperation with Mission Innovation Urban Transitions Mission and the Belmont Forum

Working with stakeholder ecosystems

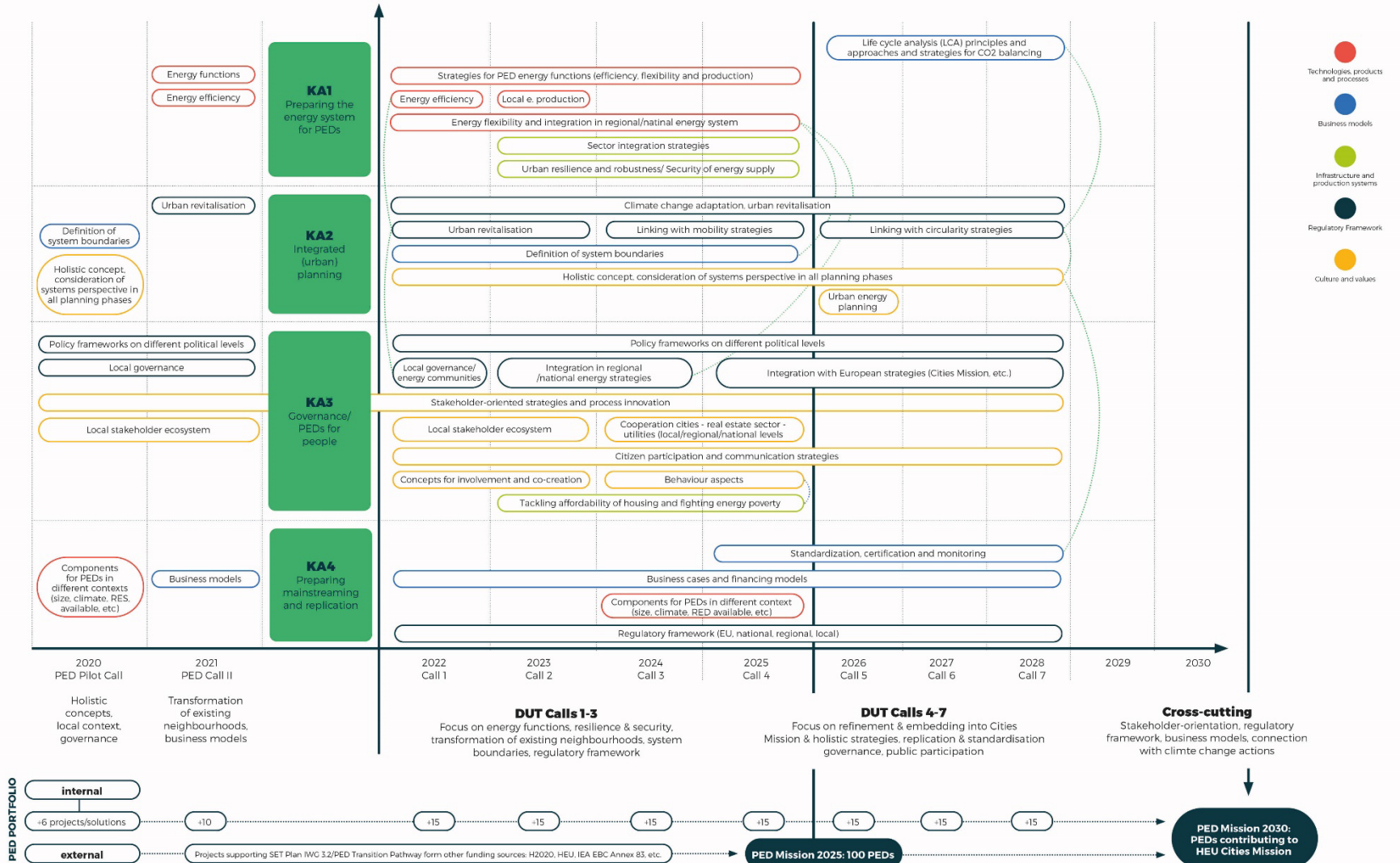
- Focus on needs of problem owners (city administrations)
- Engage the necessary ecosystem(s) for solutions



Key activities



Multi-annual Call Agenda



The JPI UE PED Projects

PED Pilot Call (2020)

1. Cities4PEDs
2. Interact
3. PED-ID
4. TRANS-PED

Running time 2021 – 2022/23

PED Call II: Positive Energy Districts and Neighbourhoods for Climate Neutrality (2021)

1. Citizen4PED
2. DigitalTwin4PEDs
3. FLEXPOSTS
4. KINETIC
5. MutiNUS NL-DK
6. PED4ALL
7. PED-ACT
8. PROPEL
9. SIMPLY POSITIVE

Running time 2022/23 – 2025

Working with the projects

Synthetisation, co-creation, dissemination



DUT Driving Urban Transitions

Positive Energy Districts: accelerating the journey towards urban energy transitions
Webinar series on the learnings from the first generation of JPI Urban Europe PED projects

Part 3: PEDs & Money
27 January 2023

Consultation with key stakeholders

Strategic development

DUT Management

PED TP
15mC TP
CUE TP

DUT City Panel

- Input to strategic priorities of the DUT Transition Pathways
- Input to DUT Calls according to cities' needs
- Input for further support to cities
- Learning from peer cities

Annual DUT Calls

Community-building, capacity-building

Other DUT formats and activities

- Urban Lunch Talks
- Sessions at conferences
- ...

AGORA Dialogues

- Consultation and co-creation with urban stakeholders
- Strategic or thematic focus

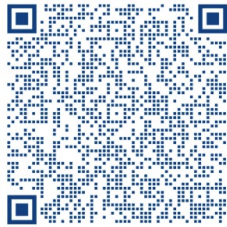
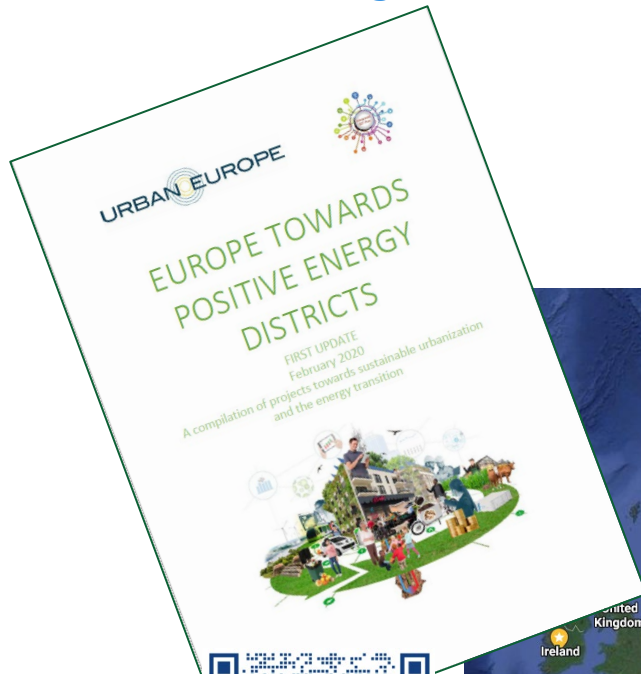
Participation in / Cooperation with DUT- funded projects and experts

Public Officers and Practitioners Community (PoP C)

- Capacity-building for public officers and practitioners
- Focus on tackling specific challenges/issues within the city administrations

PED Booklet to PED Database

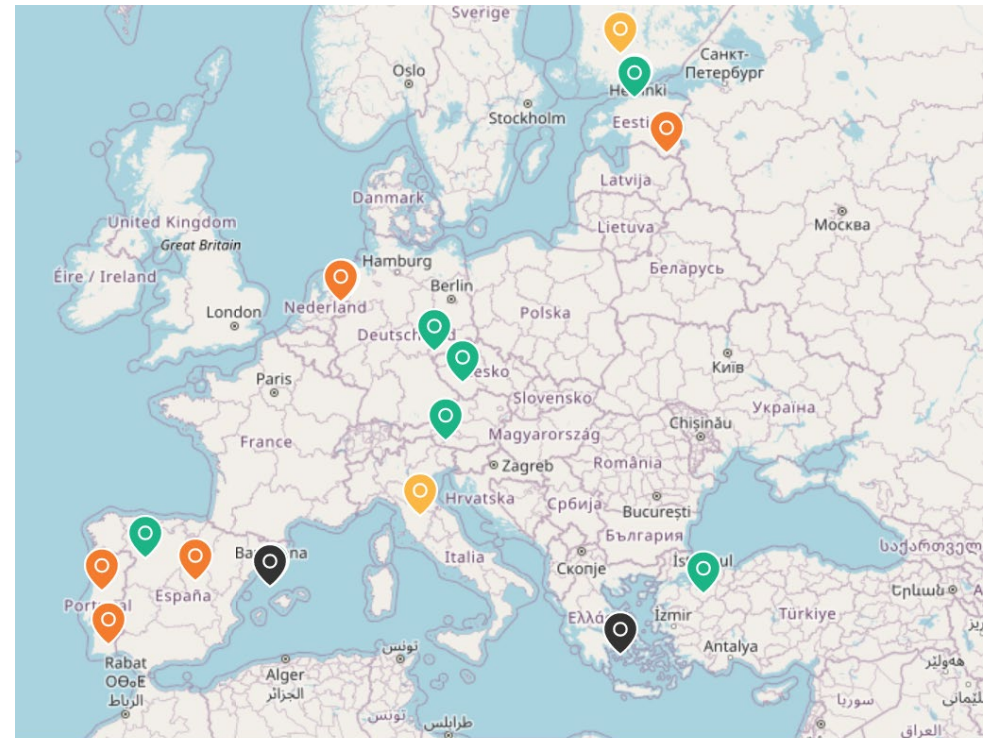
Creating evidence



Download the PED booklet



PED Database – a cooperation between COST PED EU-NET, IEA EBC Annex 83

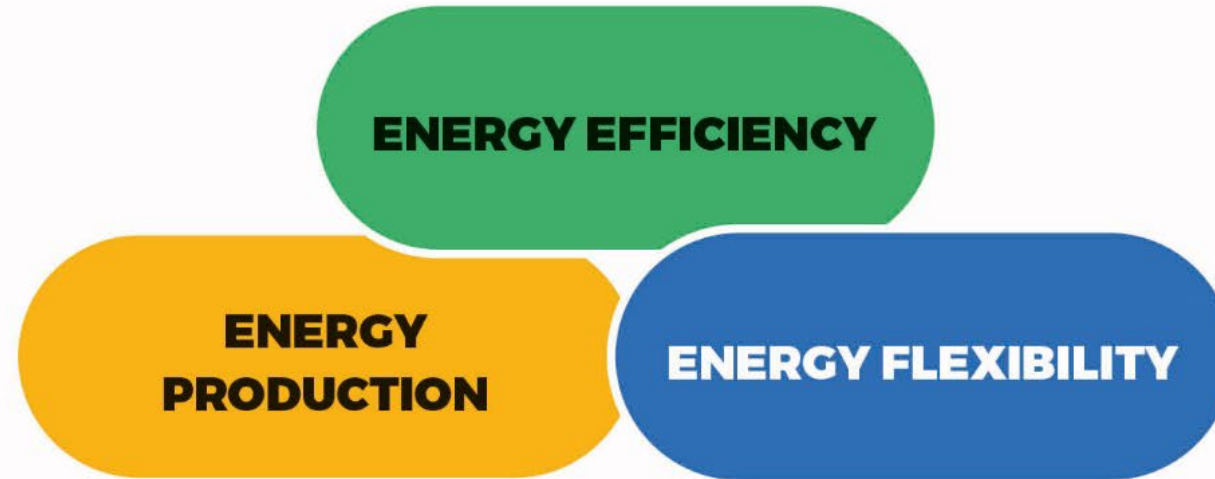


Legend:
● PED Lab (orange)
● PED case study (green)
● PED relevant case study (yellow)
● Both PED Lab / PED/PED relevant case study (black)

PED Framework

→ White Paper

“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.”



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

Was brauchen Entscheidungsträger und Akteure auf ihrem Weg Richtung Klimaneutralität?

Danke!

Kontakt

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Christoph.Gollner@ffg.at



<https://dutpartnership.eu/>