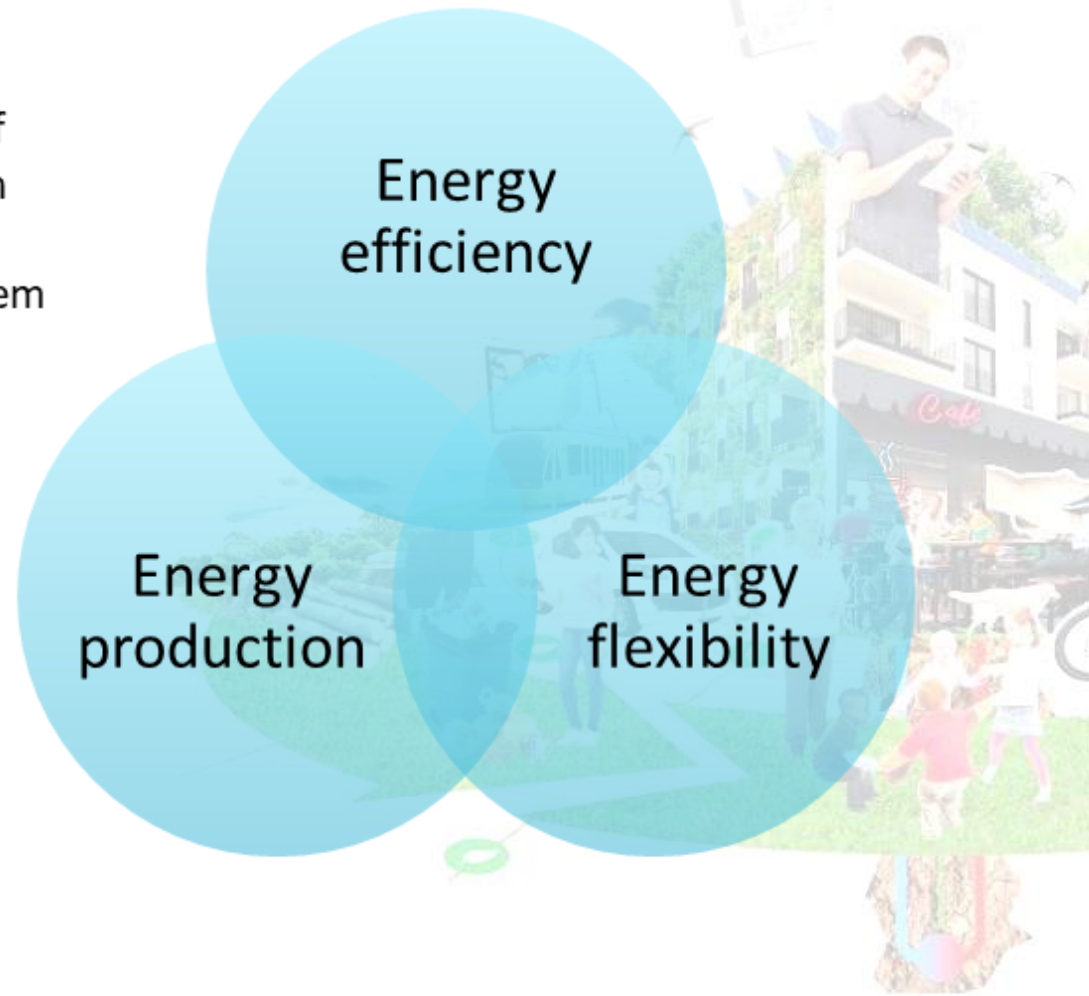


*“Positive Energy Districts are **energy-efficient** and **energy-flexible urban areas** or groups of connected buildings which produce **net zero greenhouse gas emissions** and **actively manage an annual local or regional surplus production of renewable energy**. They require integration of different 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**.”*

Functions of
PED/PENs in
the regional
energy system



Target:

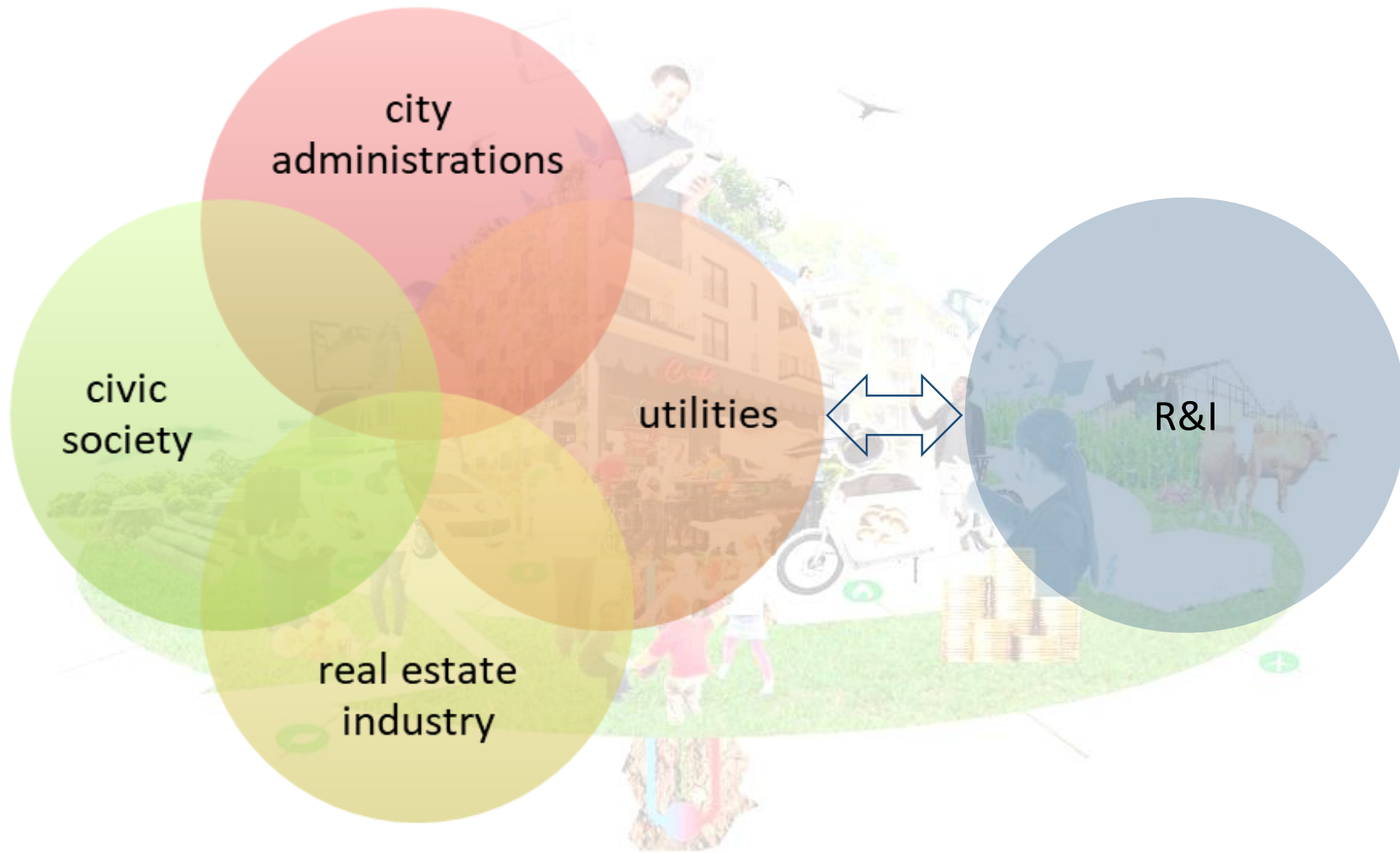
Optimisation of the three functions of PEDs (energy efficiency, energy flexibility and energy production) towards climate neutrality and energy surplus by taking into account the guiding principles

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





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 towards climate neutrality