

### PARTNERS



#### Partner

[www.bratislava.sk/en](http://www.bratislava.sk/en)

### PROJECT

#### EU Programme:

Horizon 2020 Innovation Action

#### Coordination:

City of Amsterdam

#### Partners:

29 partners, 10 countries

#### European grant:

19.6 M€

#### Get in touch:

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🌐 [www.smartcity-atelier.eu](http://www.smartcity-atelier.eu)

🌐 [AtelierH2020](https://www.linkedin.com/company/atelierh2020)

📧 [@AtelierH2020](https://twitter.com/AtelierH2020)

📺 [AtelierH2020](https://www.youtube.com/channel/UC...)

## Innovation Atelier - PED design consultancy

### Result in a nutshell

In the context of the Innovation Atelier established in Bratislava, a multistakeholder design process prepares the analysis of concrete measures, scenario prioritisation and tools selection. Three consultation groups with representatives were established:

- **Public authorities**
  - Consultation on the draft architectural and urban planning concept
  - Preparation of a replication strategy for the development of PED
  - Elaboration of chapters of the prepared methodology for PED in the field of architecture and urban planning.
- **Industry & business entities**
  - Consultations on the draft architectural-urban planning and energy concept,
  - Preparation of the replication strategy for the development of PED, elaboration of documents for the prepared methodology in the field of energy concept, legislation and financial models.
- **Academia & research institutions**
  - Consultations in the field of architectural-urban design, holistic approach.

### Demonstration site



PED Janikov dvor, Petrzalka district - Bratislava (newly designed buildings in yellow)

# Steps of designing

- Examination of the characteristics of the selected area, location and climatic conditions
- Architectural-urban study of the area
- Energy concept of the area
- Revision of the architectural-urban study in response to the energy concept of the area



## Form of meeting activities:

- presentations, workshops, discussions

## Discussion topics:

### GENERAL

- transformation of thinking in city projects, long-term planning, mitigation vs. adaptation measures, possibilities of financing by the city
- legislative barriers
- barriers in terms of existing networks in the territory, barriers to connect local RES to the existing network
- importance of optimizations and synergies at different levels
- flexibility of the proposal in terms of long-term planning (changes over time according to actual needs)
- technical and legislative barriers in Slovakia regarding energy communities, social dimension of PED

### RELATED TO PED DESIGN

- PED Energy Concept: Potential of the area and its barriers, Energy transformation of the area - Local renewable energy sources (RES), Energy flexibility and storage, Energy performance of buildings - beyond legislation
- Mix of functions of the PED: Synergies in energy demand and production, Spatial Plan, Central Development Axis Petržalka, Needs of inhabitants, identification of current barriers and potentials
- Role of PED in the area: Dominant features, new centre, addition to mono-functional area, Interaction with existing and ongoing/planned construction, Revitalisation of off-level public space - terraces
- Building communities: Shaping the identity of the space, the need for understanding, awareness and support, Energy community - potential, legislative barriers, functioning abroad, expected development, Mobility - car-sharing, bike-sharing

# Further development

## Potential for further development:

We are planning to cooperate with stakeholders from the development sector, energy suppliers, financial institutions, to whom we will introduce the concept of PED and the possibilities of engaging in the transformation of the urban environment to carbon neutral. Innovation ateliers are the ideal platform for this purpose.