

Partnering City: Porto



Porto, located in Northwest Portugal, boasts a strategic position bridging three continents: Europe, North America, and Africa. With approximately 232,000 inhabitants, the Porto Metropolitan Area (AMP) encompasses 1.7 million people. Recognized by UNESCO as a World Heritage Site, Porto's historic centre reflects its rich cultural heritage. Additionally, Porto thrives as a hub of academic knowledge, boasting institutions like the Universidade do Porto. The city fosters innovation, addressing challenges such as climate change and population ageing while promoting socio-economic inclusivity.

1. Porto's First Round Challenges

Challenge 1: How to decrease the loneliness of the Elderly?

We are looking for innovative digital projects that see old age as a phase of life to enjoy the city and the community. This can be achieved by having inspiring experiences, meeting new people from other age groups, exchanging stories, passing on knowledge, learning new skills, and getting in touch with new perspectives of the world.

In Porto's pilot location there are a large number of elderly people who live alone and face health and well-being challenges. These challenges include loneliness and psychological problems due to a lack of interaction, social stimulation and sentimental support. *Therefore, the City of Porto is seeking innovative digital solutions to tackle the challenge of loneliness and social isolation of the elderly.* Local outreach institutions that provide regular support to the target population can also be understood as the end users of the proposed technologies.

The Municipality of Porto will create a contest which will award grants for three solutions to be piloted in the Area of Urban Rehabilitation (ARU) of Corujeira, in the parish of Campanhã.

Minimum Scores and weightings:



1. Impact

Minimum score: 2.5 | Weighting: 25%



2. Implementation quality and efficiency

Minimum score: 2.5 | Weighting: 25%



3. Excellence

Minimum score: 2.5 | Weighting: 25%



4. Co-creation

Minimum score: 2.5 | Weighting: 25%

Challenge 2: How to increase the autonomy of the elderly?

In the City of Porto, there are a large number of elderly people who live alone in social neighbourhoods. They often face health and well-being challenges, namely the under-provision of critical goods and services, such as health care, food, and medicines, due to the lack of mobility and autonomy. Furthermore, many of them are economically vulnerable and digitally illiterate.

The City of Porto is looking for innovative technological solutions that enable overcoming the difficulties arising from the reduced physical and mental capabilities of the elderly. The proposed solutions should expand the elderly's autonomy and self-satisfaction with circumstantial needs and desires as well as improve their interaction with the proximity support institutions. Local outreach institutions that provide regular support to the target population can also be understood as the end users of the proposed technologies.

Minimum Scores and weightings:



1. Impact

Minimum score: 2.5 | Weighting: 25%



2. Implementation quality and efficiency

Minimum score: 2.5 | Weighting: 25%



3. Excellence

Minimum score: 2.5 | Weighting: 25%



4. Co-creation

Minimum score: 3 | Weighting: 25%

2. Porto's Second Round Challenges

Challenge 1: How to reduce school absenteeism through an innovative and inclusive educational solution?

The City of Porto seeks innovative solutions to contribute towards reducing school absenteeism. The focus is on implementing strategies that lead to increased accessibility, heightened motivation, enhanced engagement, and active participation in school-related activities. Moreover, a central goal is to promote equality and foster inclusivity by addressing discrimination.

The challenge primarily targets children and adolescents who reside within the eight municipal housing clusters situated in the urban rehabilitation area (ARU) of Corujeira Campanhã. The goal is to design interventions that directly benefit these young residents by providing them with the necessary tools to overcome educational barriers. Additionally, this challenge involves close collaboration with on-ground stakeholders such as educators, schools, and educational clusters to ensure the successful implementation and effectiveness of the proposed solutions.

Divisão Municipal de Educação-Porto Municipality (DME) will host up to two pilots.

Co-creation is considered a crucial factor to enable a successful pilot. Therefore, the piloting team needs to organise and facilitate onsite co-creation sessions (the frequency must be agreed with the pilot host and according to the needs of the project) in Porto in the language of the target group.

Minimum scores and weightings:



1. Impact

Minimum score: 2 | Weighting: 25%



2. Implementation quality and efficiency

Minimum score: 2 | Weighting: 20%



3. Excellence

Minimum score: 2 | Weighting: 20%



4. Co-creation

Minimum score: 4 | Weighting: 35%

Challenge 2: How to improve the thermal comfort and overall health in residential buildings, focusing on passive strategies?

Seeking innovative technological solutions that enhance the thermal comfort and health of existing houses, this challenge also aims to empower the residents with user-friendly tools for the efficient self-management of their homes.

Once the target group is a vulnerable population, unable to afford or maintain heating/cooling systems, [the City of Porto is looking for technologies that promote passive energy efficiency measures, that do not involve physical interventions for the rehabilitation of the building](#). The objective also involves a user-friendly approach that ensures the solutions are practical for residents to implement in existing homes. The goal is to reduce energy consumption and utility costs for residents, increase energy efficiency literacy, and at the same time contribute to a greener environment.

In a world where sustainability is essential, this challenge invites creators to propose cutting-edge solutions that promote healthier living environments for the most vulnerable, while extending the life of public buildings, reducing the need for frequent renovations, and aligning with eco-friendly practices. Therefore, the City of Porto challenges you to co-create technologies that make energy efficiency a universal issue, and accessible to everyone.

Up to two pilots are hosted by Domus Social, E.M. Pilots will be organised in collaboration with the residents in the eight social neighbourhoods of the urban rehabilitation area (ARU) of Corujeira-Campanhã.

Minimum scores and weightings:



1. Impact

Minimum score: 2.5 | Weighting: 25%



2. Implementation quality and efficiency

Minimum score: 3 | Weighting: 30%



3. Excellence

Minimum score: 2.5 | Weighting: 25%



4. Co-creation

Minimum score: 2 | Weighting: 20%

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