CommuniCity

Innovative Solutions Responding to the Needs of Cities & Communities

This project has received funding from the European Union's Horizon Europe research and innovation action HORIZON-CSA under the grant agreement No 101070325 (Communicity).

CommuniCity in a nutshell

- Start date: September 2022
- End date: September 2025
- Call type: Horizon Europe (CSA)
- Project number: 101070325
- Partners: 12 organisations from NL, BE, FI, PT, ES, IT
- Coordinators: Open Agile Smart Cities - OASC

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CommuniCity Consortium

OPEN & AGILE SMART CITIES

UNIVERSITEIT VAN AMSTERDAM

Gemeente Amsterdam

Hogeschool van Amsterdam

DEMOS HELSINKI

FORUM VIRIUM HELSINKI

PORTO DIGITAL

Porto. Domus Social

European Network of Living Labs

CVC Centre de Visió per Computador

spi Sociedade Portuguesa de Inovação

ENGINEERING

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1

CommuniCity increases the effectiveness of engagement of marginalised communities.

2

Through co-creation processes, citizens from **Amsterdam, Helsinki and Porto** take part in pilots for digital solutions that meet their needs.

CommuniCity has 3 Open Calls for Applications to support the innovation process of selected third parties.

3

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Open Calls

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CommuniCity Open Calls in brief

Second round of Open Calls

- Amsterdam, Helsinki, and Porto + 4 extra cities
- Each city hosts 5 pilots
- Each city identifies 2-4 challenges
- Approx. 12,500 euro per pilot
- To be published on 12th September 2023
- Challenges chosen by June 2023
- Training workshop for the cities in June 2023 in Porto
- Pilots Dec 2023–May 2024

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Third round of Open Calls

- Organized by Open and Agile Smart Cities
- Number of cities to be decided
- Around 48 pilots
- Number of challenges to be decided
- Approx. 12.500–15.000 euro per pilot
- To be published on September 2024
- Challenges chosen by June 2024
- Training workshop for the cities in June 2024
- Pilots December 2024–May 2025

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Agile Piloting Process

Challenge

Step 1

Open Call

The city-specific challenges are published at:

CommuniCity-project.eu

Step 2

Selecting pilots

A Jury assesses applications against the evaluation criteria. Contracts are signed.

Step 3

Piloting

Proposed solutions are developed and tested with citizens in real-life conditions.

Step 4

Wrap-up

Evaluation of the process and created solutions.

Document the learnings.

Results

Why should cities join?

- To gain knowledge and experience on co-creation with marginalised groups.
- Boost engagement of marginalised groups and associations in your city.
- Promote tech development for the benefit of marginalised groups in other cities.
- Possibility to use CommuniCity technical components and tools.
- Receive guidelines for successful Open Call and piloting process.
- Possibility to replicate and scale solutions developed in other cities.

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The CommuniCity Virtual Learning Lab (VLL)

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The CommuniCity Virtual Learning Lab (VLL)

The VLL is a space for mutual learning, engaging cities, local communities, and their stakeholders. It will host materials and activities fostering digital transformation, including:

- **Toolkits** for practitioners
- **Good practices** and **use cases**
- Interactive **tutorials**
- **Forum** for citizen engagement

Relevant material will be integrated into the Living-in.EU platform

Through the VLL we will also offer:

- **3 open workshops** (by the Open Living Lab Days 2023-2025)
- **3 interactive sessions** at the European Week of Regions and Cities
- **3 online learning sessions** on place-based innovation
- **3 open debates** hosted by the Task Force on the Social Impact of AI of ENoLL

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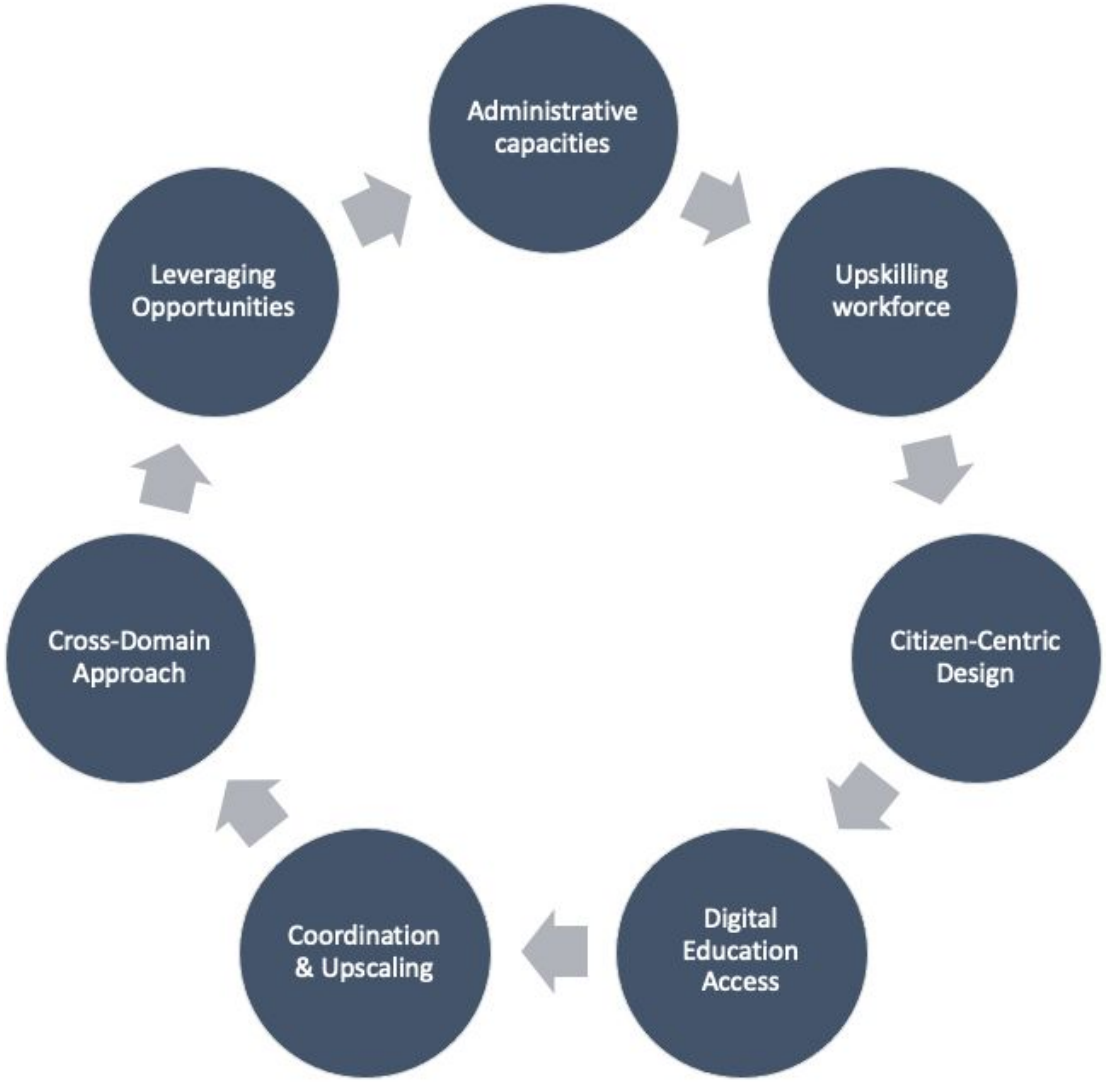
Living-in.EU: Education & Capacity Building sub-group

Led by the European Network of Living Labs (ENoLL)

Empowers innovation through education and capacity building

Leverages skills and methods for effective digitalization



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CommuniCity Technical Framework

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Shared technical components and tools

- Prepare EU for emerging technologies, especially **AI and XR** (Virtual and Augmented Reality)
- Minimal Interoperability Mechanisms (MIMs Plus), a set of practical capabilities based on open technical specifications that allow cities and communities to replicate and scale solutions globally. Focus on AI (**Fair AI MIM**).
- Virtual **learning labs**

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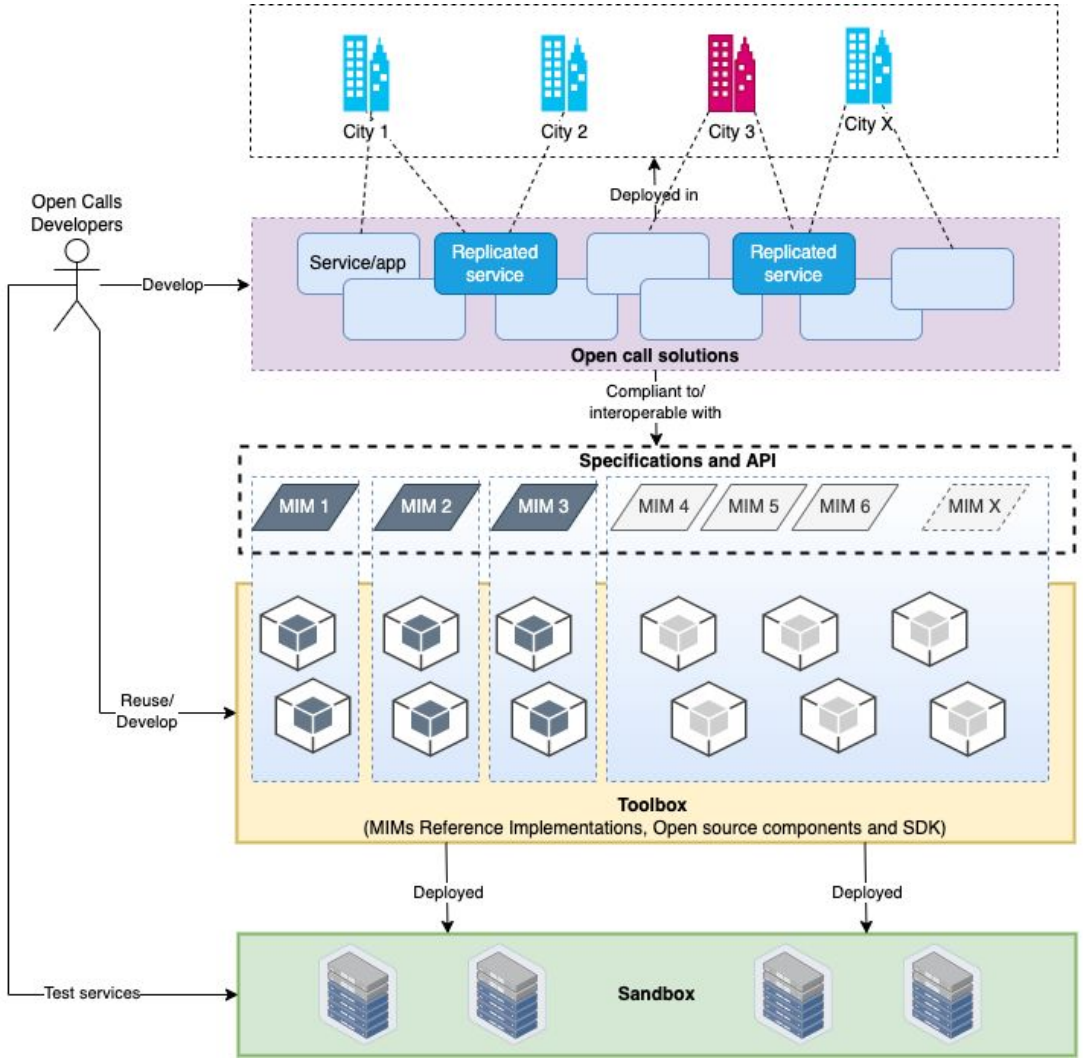
CommuniCity technical framework

CommuniCity's technical framework provides a set of assets:

- to support the design and development of innovative solutions, to be implemented by the open call participants, and experimented in the project pilot cities.
- to enable the interoperability between existent Cities' IT infrastructures/systems and developers' solutions, and most importantly,
- to achieve replicability of developed applications and services across different cities involved in the project.



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CommuniCity and the MIMs

- The basic pillars of CommuniCity technical specifications are represented by the OASC Minimal Interoperability Mechanisms (MIMs), universal tools for achieving interoperability of data, systems, and services between cities and suppliers around the world.
- The MIMs are vendor-neutral and technology-agnostic: they are based on common specifications but the concrete technical implementation can be different, as long as crucial interoperability points in any given technical architecture use the same interoperability mechanisms.
- CommuniCity will reuse MIMs, but also will actively contribute to their evolution in specific domains: in particular, a working group has been established to work on the development of "MIM 5 - Fair and Transparent Artificial Intelligence" to identify requirements and technical capabilities to check that the algorithmic systems, offered by suppliers, comply with the requirements for fairness, trustworthiness and transparency.

CommuniCity Toolbox

- The toolbox is a compilation of concrete software components and services that will be provided by CommuniCity to be used by developers during the project open calls. It will offer technical tools that comply with the specification and API layer and represent a reference implementation of the MIMs.
- The collection of technological assets included in the toolbox will expand over the course of the project to provide increasingly advanced and comprehensive resources tailored to the requirements and specificities of each open call round.
- In addition, already existing assets originated from relevant European projects and initiatives, open-source software, and CommuniCity consortium partners' solutions will also be included in the toolbox.

Communicity Sandbox

The sandbox is a cloud environment provided to the open call developers to test the compliance of their services with the CommuniCity specification.

- Facilitate and accelerate the learning curve for the usage of the main toolbox key components avoiding problems for their installation and configuration
- Offer a safe environment to experiment and test the toolbox components and their integration with a predefined “compositions” for different use cases and domains
- Allow to validate the compliance of the developed solutions with the CommuniCity specifications

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Thank you!

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