Greenvolve

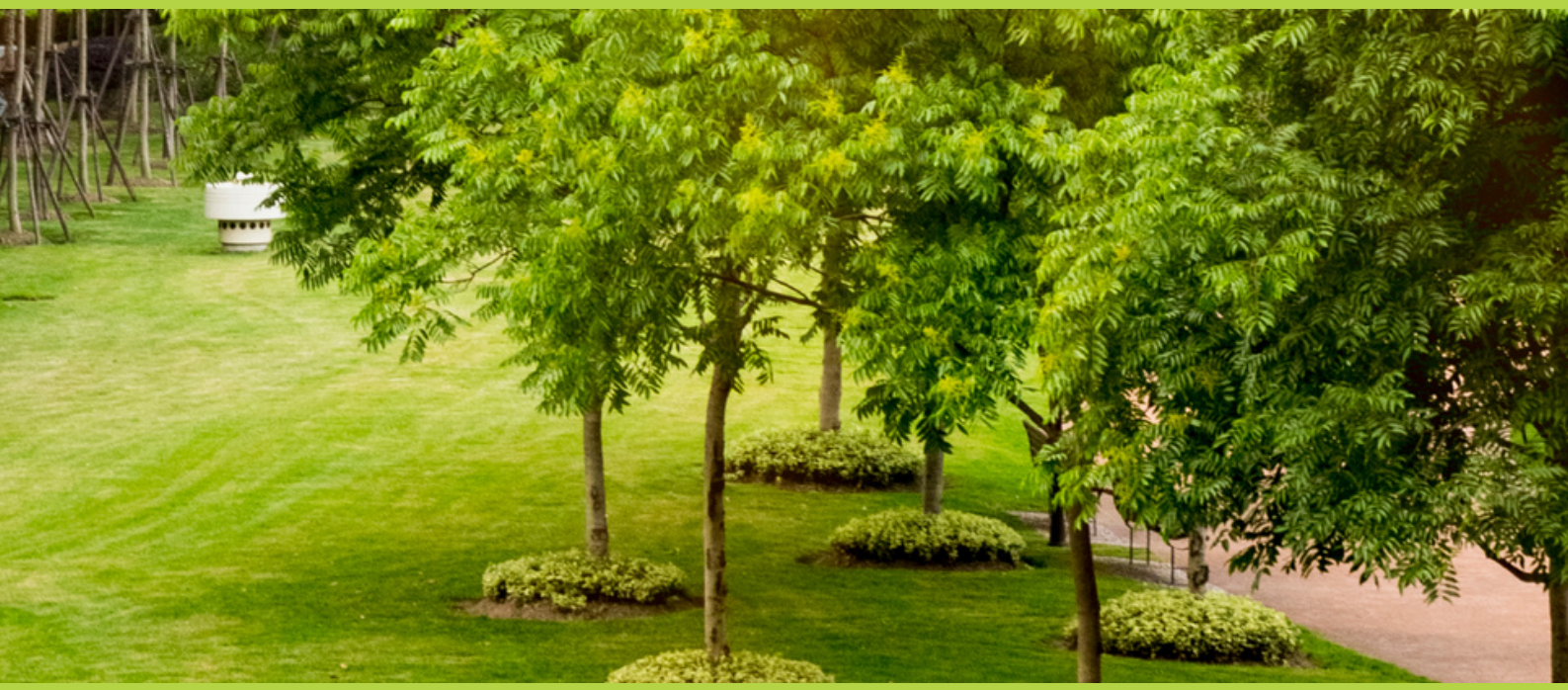
GREEN CITIES WITH SMART CITIZENS

PR3 Database on green solutions and public consultations

COLLECTION OF CIVIC ENGAGEMENT AND PUBLIC CONSULTATION RELATED TO GREEN CITY ELEMENTS

GREENVOLVE Green Cities with Smart Citizens
2021-1-HU01-K220-ADU-000033719

www.greenvolve-project.eu



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Intro

INTRODUCTION TO THE COLLECTION OF CIVIC ENGAGEMENT AND PUBLIC CONSULTATION RELATED TO GREEN CITY ELEMENTS

This is the Greenvolve project third main output (PR3) titled “Database on green solutions and public consultations" that covers **“Collection of civic engagement and public consultation related to green city elements”**. The intention of this database is to provide citizens with real life examples of Green cities and smart citizens in action across Europe. This compilation highlights the critical role of civic engagement and public consultation in shaping greener cities. Focused on 30 exemplary cases from Europe, it illustrates how active citizen involvement and open dialogues are pivotal in creating eco-friendly urban spaces. This collection isn't just a showcase of projects; it's a narrative on the power of collective action in urban sustainability. Highlighting co-creation, it features collaborations between authorities and citizens for sustainable solutions.

It is recommended for this output that readers also refer to:

- The **“Handbook on Green City Elements”**, the first output (PR1) of the Greenvolve project. **Green city elements** are processes, issues, and solutions that are significant for a pleasant, green and sustainable urban environment, ultimately, for the better well-being and health of the citizens (e.g., green roofs and walls, plastic waste, recycling of clothes, bee-friendly gardens, etc.). Each element is covered based on the following structure: basic introduction, description of operation, main features, the most common challenges (related to its operation and/or for which it gives a solution), and best practices. Visualisation and illustration support the materials.
- Projects second output (PR2) - **“Citizens’ Engagement Toolkit”** aims to provide the reader with an understanding of citizen engagement and green urban city projects while providing practical tips for adult citizen (18 to 65+) stakeholders to be able to engage successfully with green city project consultations. Focus particularly on engaging and upskilling local communities, NGOs and wider civil society. These citizen engagement strategies could also be useful for architects and public planners who seek more in-depth knowledge on innovative methods of involving citizens in urban planning.
- 4th and final output provides access to the **Greenvolve online platform** (PR4). The above mentioned outputs on green city elements, active citizenship and best practices are integrated online in order to provide users with an opportunity to learn interactively on public consultations and green city efforts.

*It is important to note that Greenvolve project does not claim credit for these following civic engagement and public consultation examples in this collection.

*All photographs and visual elements used in this collection are either sourced from the original project websites or are available free for use, with appropriate credit given to the authors.

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Intro about GREENVOLVE

ABOUT THE GREENVOLVE PROJECT

The “Green Cities with Smart Citizens” (Greenvolve) project is a two-year project co- funded by the European Union under the ERASMUS+ KA220-ADU – Cooperation partnerships in adult education programme (Agreement Number: 2021-1-HU01-KA220-ADU-000033719).

Project focused on advancing sustainable urban development. It emphasizes the importance of public consultations in green city projects for comprehensive discussions about a city's future, including the impact on community life, social and economic conditions, and the environment.

Greenvolve addresses the need for informed, collective decision-making and broad-based ownership of solutions, aligning with EU policies like the European Green Deal and the EU Biodiversity Strategy for 2030.

The project seeks to empower citizens aged 18-65 with knowledge and skills for effective participation in urban design and decision-making, particularly in green city initiatives.

Greenvolve supports the Sustainable Development Goals of the UN, targeting the sustainable development of human settlements in an urbanizing world. It acknowledges the dual role of cities as centers of economic and social development and as potential sites of social exclusion and environmental challenges. The project also addresses health risks associated with urban living, such as water and sanitation issues extreme weather and air pollution.

Greenvolve is innovative in its dual focus: enhancing knowledge about green cities and facilitating citizen participation in green city consultations. It fosters active citizenship, a key competence for lifelong learning, by helping citizens understand civic and social life concepts, global developments, and sustainability. The project aims to create a more holistic approach to urban planning and development control, considering land-use patterns, urban spatial design, health outcomes, equity, resource use, cleaner transport, energy investments, and increased biodiversity and nature.

More information about the project is available in our platform - www.greenvolve-project.eu

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Structure

Description of categories for each civic engagement and public consultation

When evaluating and documenting each CIVIC ENGAGEMENT AND PUBLIC CONSULTATION, it's essential to have a structured approach to ensure consistency and clarity. The following categories have been chosen to provide a comprehensive overview of each example:

- **Project Overview:**

This captures the basic details such as the title of project, location, country, contact information, and the website address.

- **Project Details:**

This section provides insights into the basic abstract of the project, its thematic area, thematic sub-category, the type of actor/agent involved, and the typology of green urban site (city urban gardens, public parks, protected areas etc.).

- **Green City Elements (GCE):**

A core section that elaborates on specific green initiatives like Sustainable Mobility, Renewable & Alternative Energy Sources, Water as Natural Resource, and various other sustainable practices and solutions. For more information about GCE visit our websites **E-CARDS** where you can find out each of them

- **Engagement and Consultation:**

This focuses on the community and public involvement aspects, detailing the target groups, public engagement, best practices, the consultation tools used, and any E-tools and social media platforms leveraged. For detailed information about citizen engagement and public consultations learn more visiting our website and open 2. RESULT - **ADULT EDUCATION TOOLKIT**

- **Innovation and Impact:**

A crucial section that highlights the level of scale of innovation from 1 to 5 where 1 is commonly known and 5 is something completely out of the box, provides an abstract of elements of innovation, and outlines the expected impact of the project in scale - LOW - MEDIUM - HIGH.

- **Benefits and Challenges:**

An honest assessment that lists the environmental, material/economic, and social benefits while also addressing any challenges encountered.

- **Resources and Transferability:**

This section provides information on any teaching materials/resources developed, links to these resources, the personal skills required, adherence to non-discriminatory principles, and the transferability potential of the project in scale LOW - MEDIUM - HIGH.

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ATZGERSDORF CITY PARK

Location: Vienna
Country: Austria
Contact Information: sued@gbstern.at
Website Address: Link

Image: © 13053697 via Pixabay.com

A former campsite in South Vienna, approx. 27 000 m ,^{2}was transformed into a city park with a wide range of games and sports for all ages, a water playground and 26 tree plantations with special attention to biodiversity. From August to October 2020, residents of Liesingen could help shape the planning, and eventually, around 750 ideas and requests were collected. Sharing ideas was possible in many forms: at information stands, during walks or at other organised events, completed questionnaires put in the idea mailbox, during virtual roundtable sessions, and ideas sent to online mailbox.

Thematic Area – Healthy public space
Thematic Sub-category -

- Buildings & environment
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Public Park

Green City Elements:

- Green areas and Heat Island Effect

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Survey or feedback forms at public meetings, Workshop with small discussion, Proper public engagement
Used their own website for collecting ideas: https://www.gbstern.at/

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Medium
Non-discriminatory Principles: n/a
Transferability Potential: Medium

Innovation and Impact: n/a
Expected Impact **High**
Level of Scale of Innovation 3

Benefits: Temperature & Climate control, Improved Air Quality, More wildlife & better habitats, Increased biodiversity, Limiting impact of heatwaves by reducing urban temperatures, Improving physical fitness and reducing depression, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Social cost savings (such as the impact of reduced air pollution), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Adjusting psychological well-being and physical health, Enhancing social ties, Improving physical fitness and reducing depression
Challenges: Challenges include ensuring reliable operation and accessibility, particularly for those most in need, and securing sustainable funding and support for the project's continuity. Addressing these challenges is crucial for the initiative's long-term effectiveness and success.

EU CLIMATE AMBASSADORS

Location: Brussels
Country: Belgium
Contact Information: Link Link2
Website Address: Link

Image: © By-studio via GettyImages.com

The European Climate Pact Ambassadors are people from different walks of life and all corners of Europe, all committed to climate action, so they inform, inspire and support climate action in their communities and networks.

Thematic Area – Climate change mitigation
Thematic Sub-category - Green Urbanism related to improving social relations.
Type of Actor/Agent - European Climate Pact Ambassadors (leaders in local communities, networks, civil society organisations, youth and student initiatives, as well as mayors, other public office holders, opinion leaders and influencers, from across Europe).
Typology of Green Urban Site – They organize activities related to climate and environmental action (like planting trees, car-free days, information and awareness days, etc.) in any city site.

Green City Elements:

- Human-Powered Mobility
- Public Transport
- Electric and Alternative Mobility
- Shared Mobility and MaaS
- Multimodal Mobility
- Green Urbanism
- Energy Efficiency in Urban Planning
- Energy Communities
- Alternative Energy Sources
- Buildings and Climate Change
- Circular Design
- 3Rs and 7Rs
- Conscious Consumption
- Smart (People, Governance, Mobility, Living)
- Citizen Engagement
- Urban Energy Consumption
- Energy Savings

Innovation and Impact
European Climate Pact Ambassadors, due to their different profiles can show and convince different communities (Schools, works, neighbourhoods) of the climate current situation, and the need and ways of palliating environmental damages caused in daily life. Furthermore, many problems and solutions can be discussed and put in common to find solutions among all.
Expected Impact **Medium**
Level of Scale of Innovation 3

Engagement and Consultation:
Target Groups - Citizens.
Public Engagement - Was applied.
Consultation Tools Used - Survey or feedback forms at public meetings, Workshop with small discussions, Focus groups, Written reports, Stakeholder interviews, Proper public engagement. Link, Link2

Benefits:
Temperature & Climate control, Improved Air Quality, Social cost savings (such as the impact of reduced air pollution), Recreational opportunities, adjusting psychological well-being and physical health, Enhancing social ties, Providing educational opportunities.
Challenges: n/a.

Resources and Transferability:
Teaching Materials/Resources: Link
Personal Skills Required: High
Non-discriminatory Principles: Yes
Transferability Potential: Medium

GREEN ENERGY COOPERATIVE (ZEZ)

Location: Zagreb
Country: Croatia
Contact Information: contact@zez.coop
Website Address: zez.coop/en/

Image: © Andranik Hakobyan via GettyImages.com

ZEZ's mission is to help citizens develop, invest and use renewable energy sources and also enable citizens to participate in planning, decision-making, construction and energy production, as well as to participate in profit sharing. They encourage the development of social entrepreneurship in the energy sector, influence social equality and protection of the environment. They develop concrete and sustainable solutions that enhance the development of local community.

Thematic Area – Energy transition
Thematic Sub-category -
- Renewable & Alternative Energy Sources
- Energy Efficiency

Type of Actor/Agent - Private business
Typology of Green Urban Site – Industry

Green City Elements:
- Public Transport
- Electric and Alternative Mobility
- Smart People
- Smart Governance
- Smart Mobility
- Smart Living
- Citizen Engagement
- Co-creation in Urban Planning
- Artificial Intelligence

Engagement and Consultation:
Target Groups - Citizens.
Public Engagement - Was not applied.
Consultation Tools Used -
Platform:
https://www.zez.coop/en/zez-sunce/

Innovation and Impact
Encouraging everyone to host or join a Peer Parliament. Design climate policies for people and with people.
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits:
Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities, Enhancing social ties.
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: High

GREEN SPATIAL PLAN OF THE CITY OF KARLOVAC

Location: Karlovac
Country: Croatia
Contact Information: Link
Website Address: Link

Image: © Golero via GettyImages.com

The City of Karlovac has recently completed its Sustainable Energy and Climate Action Plan and is now in the process of modifying its spatial and zoning plans. The city has recognized the potential synergy between the two actions and is, with the support from the North-West Croatia Regional Energy Agency, integrating them into the first Green spatial and zoning plan in Croatia. The overall concept is to empower and enable local and regional governments to explicitly set and bindingly enforce their development pathways with a focus on sustainable development and environmental protection, using tools already at their disposal.

Thematic Area – Climate Change Adaptation
Thematic Sub-category -

- Sustainable Mobility
- Renewable & Alternative Energy Sources
- Buildings & environment
- Waste management

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Urban areas

Green City Elements:

- Public Transport
- Electric and Alternative Mobility
- Smart Governance
- Smart Mobility
- Smart Living
- Citizen Engagement
- Co-creation in Urban Planning

Engagement and Consultation:
Target Groups - Citizens.
Public Engagement - Was not applied.
Consultation Tools Used -
Platform, Platform, Video

Innovation and Impact: n/a
Expected Impact **n/a**
Level of Scale of Innovatio n/a

Benefits:
Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities.
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: High

COMPETE4SECAP

Location: Osijek, Rijeka, Zadar, Velika Gorica
Country: Croatia
Contact Information: info@compete4secap.eu
Website Address: https://compete4secap.eu/croatia

Image: © Burak The Weekender via Pexels.com

The Compete4SECAP project (C4S) aimed at helping local authorities put their existing Sustainable Energy Action Plans (SEAPs) into action. The project promoted the adoption of standardized energy management systems in municipalities through the coordination of national competitions and peer-to-peer exchanges which steered the attention and involvement of local to national authorities.

Thematic Area – Digitalisation
Thematic Sub-category -

- Sustainable Mobility
- Renewable & Alternative Energy Sources
- Waste management

Type of Actor/Agent - Authority
Typology of Green Urban Site – Local governments

Green City Elements:

- Public Transport
- Electric and Alternative Mobility
- Smart Governance
- Smart Mobility
- Smart Living
- Citizen Engagement
- Co-creation in Urban Planning

Engagement and Consultation:
Target Groups - Citizens.
Public Engagement - Was not applied
Consultation Tools Used - Link

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: High

Innovation and Impact:
The innovation of the Compete4SECAP project lies in its approach to integrating digital tools for real-time energy monitoring and enhancing Energy Management Systems (EnMS) in Croatian cities. This includes the development of Sustainable Energy and Climate Action Plans (SECAPs) in collaboration with DOOR, a specialized sustainable energy organization.
Expected Impact **n/a**
Level of Scale of Innovatio n/a

Benefits:
Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities. The project is significant in terms of reducing final energy consumption and emissions, particularly in larger cities. It supports cities like Osijek, Rijeka, Velika Gorica, and Zadar in achieving specific environmental goals, such as CO2 emission reduction, energy renovation of buildings, and the introduction of climate change adaptation measures. By promoting these actions, the project contributes to sustainable development and nature protection.
Challenges: n/a

GREEN ENOUGH PROJECT

Location: Nicosia
Country: Cyprus
Contact Information: akti@akti.org.cy
Website Address: Link

Image: © Eren Li via Pexels.com

The Green Enough Project aims to raise the ecological behaviour of adults and adolescents with developmental and/or intellectual disabilities by creating an adapted educational program for professionals working with them daily. An important aspect of the Green Enough Project is the emphasis on autonomy and the development of daily living skills in an environmentally friendly manner. The development and use of Augmented Reality application will contribute greatly to this goal, as professionals will acquire the skills to educate their beneficiaries on independent eco-friendly daily living supported by an easily accessible and adapted app on their devices.

Thematic Area – Climate Change Adaptation
Thematic Sub-category -

- Sustainable Mobility
- Renewable & Alternative Energy Sources
- Waste management

Type of Actor/Agent - NGO
Typology of Green Urban Site – Institutions

Green City Elements:

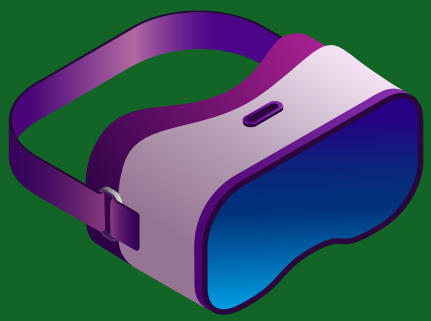
- Smart People
- Smart Governance
- Citizen Engagement
- Co-creation in Urban Planning
- Artificial Intelligence

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was not applied
Consultation Tools Used - n/a

Innovation and Impact:
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits: Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities
Challenges: Project faces key challenges such as developing an accessible Augmented Reality app for diverse disabilities, ensuring effective professional training, maintaining participant engagement, addressing resource constraints, adhering to quality standards, guaranteeing data privacy, assessing program impact, ensuring scalability and sustainability, and coordinating effectively among diverse consortium members.

Resources and Transferability:
Teaching Materials/Resources:
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: High



POLLINATOR HIGHWAY. CITY OF TALLINN

Image: © Pollinator Highway via Link

Location: Tallinn
Country: Estonia
Contact Information: strateegiakeskus@tallinnlv.ee
Website Address: https://www.putukavail.ee/?lang=en

The Pollinator Highway, stretching through six city districts along an old railway and future underground high-voltage lines, is transforming into a linear city park. Merging urban and natural elements, it runs from Telliskivi to the Hiiu subdistrict, crossing diverse urban landscapes and enhancing biodiversity. Funded by EU projects and led by the Tallinn Strategy Centre, this initiative focuses on community involvement, using platforms like Maptionnaire to educate residents about local environmental developments and recreational planning within the Merimesta area.

Thematic Area – Improving social relations.
Thematic Sub-category -

- Sustainable Mobility
- Green Urbanism related to Energy consumption
- Water as natural resource
- Buildings & environment
- Circular economy in buildings
- Smart city domains for the citizens in green cities
- Smart city solutions and tools
- Green Urbanism related to improving social relations

Type of Actor/Agent - Government
Typology of Green Urban Site – Creativity Centre

Green City Elements:

- Greenbelts
- Ecological corridor or Greenway
- Public Transport
- Mobility (Electric and Alternative , Multimodal)
- Green (Urbanism, roofs and walls, areas and Heat Island Effect
- Positive Energy Neighbourhoods
- Solar Energy – Photovoltaics
- Sustainable Drainage Systems, Irrigation
- Riverbanks and seashore areas
- Buildings and Climate Change
- Bee-friendly gardens
- Heatwaves
- Circular Design
- 3Rs and 7Rs
- Smart (Environment, Living, Metering)
- Citizen Engagement
- Dynamic Lightning
- Co-creation in Urban Planning
- Energy (Urban Consumption, Savings, Efficiency in Buildings

Innovation and Impact:
Sustainable Public Art as an Example of Civic Engagement. Informative Participation for Welcoming New Green Areas.
Expected Impact **High**
Level of Scale of Innovation 4

Engagement and Consultation:
Target Groups - Non-governmental organisations
Public Engagement - Was applied
Consultation Tools Used - Stakeholder interviews, Proper public engagement. Link

Benefits: This initiative enhances temperature and climate control, air quality, and water management, while promoting wildlife habitats and biodiversity. It improves environmental resilience and offers well-being benefits like better physical and mental health, job creation in green sectors, and educational opportunities. Additionally, it provides aesthetic and recreational value, thereby enhancing social connections and community well-being.

Challenges: Addressing COVID-19 challenges with vulnerable groups, shifting perceptions of wild meadows, and aligning diverse stakeholder interests have been key hurdles in the project. Overcoming a major spatial barrier, the city is collaborating to integrate a bike path through a former freight station on the Pollinator Highway.Link Link2

Resources and Transferability:
Teaching Materials/Resources: Link, Link2
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: High

FROM GREEN MOBILITY TO PUBLIC ART PROJECTS

Location: Tallinn
Country: Estonia
Contact Information: maptionnaire.com/contact-us
Website Address: Link

Image: © Ffirst via Canva.com

The City of Tallinn continuously invites its residents to participate in the development of the city, be it choosing modern art installations or planning a new green space in the city. Here are three examples of civic engagement projects done with an online community engagement platform Maptionnaire. When digitized, their engagement projects became more inclusive, and the planning was more efficient.
Overall, online civic engagement proved to be of value to Tallinn and its residents, and the city is on its way to adopting this solution in other departments.

Thematic Area – Digitalisation
Thematic Sub-category - Smart city solutions and tools
Type of Actor/Agent - Urban planners and citizens
Typology of Green Urban Site – Public Park

Green City Elements:

- Green Urbanism
- Energy Efficiency in Urban Planning
- Bee-friendly gardens
- Smart People
- Smart Governance
- Smart Mobility

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Survey or feedback forms at public meetings, Focus groups, Stakeholder interviews, Proper public engagement
Link

Innovation and Impact:
The platform has made the engagement projects more inclusive and efficient by allowing planners to visualize the project within its context, explain it better to the public, and receive precise geolocated feedback.
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits: Improved Air Quality, improved environmental resilience, Increased cultural significance, Social cost savings (such as the impact of reduced air pollution), Improved visual quality of the environment, Recreational opportunities, Enhancing social ties, Providing educational opportunities.
Challenges: People need learning how to use maps and other information on the platform.

Resources and Transferability:
Teaching Materials/Resources: Masterclasses, Stories, Videos, Events, Blog, Webinars
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: Medium

HELSINKI DIGITALISATION PROGRAMME

Location: Helsinki
Country: Finland
Contact Information: mikko.rusama@hel.fi
Website Address: https://digi.hel.fi/english/

Image: © Dotshock via Canva.com

Helsinki aspired to be the world's most functional city, emphasising a seamless everyday life for its residents, visitors, businesses, and communities. Through an ambitious digitalisation programme, the city aimed to harness digital advancements to enhance services, foster a proactive approach, and personalise experiences. Central to this vision was the collaboration between the city and its residents, with a focus on customer-centricity. As Helsinki evolved, it wasn't just about technology but also about fostering a culture of innovation, enhancing staff skills, and refining management practices. In this journey, Helsinki collaborated with global cities like New York and London, leveraging artificial intelligence, open data, and digital innovation.

Thematic Area – Digitalisation
Thematic Sub-category -

- Sustainable Mobility
- Smart city domains for the citizens in green cities
- Smart city solutions and tools

Type of Actor/Agent - Government
Typology of Green Urban Site – Urban

Green City Elements:

- Public Transport
- Shared Mobility and MaaS
- Multimodal Mobility
- Impacts of Working From Home
- Impacts of Climate Change on Tourism
- Servitisation
- Smart Economy
- Smart (People, Governance, Mobility, Living)
- Citizen Engagement
- Co-creation in Urban Planning
- Artificial Intelligence

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Proper public engagement. Collecting data and going to open data society for better future of citizens

Resources and Transferability:
Teaching Materials/Resources: Strategy
Personal Skills Required: High
Non-discriminatory Principles: Yes
Transferability Potential: High

Innovation and Impact
The city emphasizes data transparency, allowing residents to access and influence the use of their personal data. Automation in Helsinki is focused on streamlining tasks and enabling 24/7 self-service, freeing employees for direct customer interactions. Operations are data-driven, integrating data for informed decision-making, predictive impacts, and automated choices. Helsinki's digital twin stands as a world-class open data resource, facilitating digital-first planning and execution. The city also engages in collaborative service production, working with public and private partners and using open data and the platform economy to innovate and, where suitable, outsource specific services.
Expected Impact **High**
Level of Scale of Innovation 5

Benefits: Improving air quality and environmental resilience leads to enhanced physical and mental health, increased cultural significance, and better overall well-being through improved biodiversity and visual quality. These efforts result in social cost savings, create green job opportunities, strengthen social ties, and offer educational benefits, contributing to a healthier, more connected community.
Flooding & water quality, improved environmental resilience, social cost savings (such as the impact of reduced air pollution).
Challenges: Data privacy, system integration complexities, and employee adaptation. Resource limitations, scalability issues, and public trust, particularly regarding data use, are key concerns.

NANTES NORD PASSE AU VERT (NANTES NORD GOES GREEN)

Location: Nantes
Country: France
Contact Information: Link
Website Address: Link

Image: Fauxels via Pexels.com

On June 8, 2016, the global Nantes Nord project was launched to respond to the difficulties of the district - high unemployment rate, lack of dialogue between residential areas and collective housing, threat to public tranquillity - by relying on its strength major: its green spaces. Beyond the heritage and urban planning aspect, the issues of social cohesion, economic development and the environment were discussed with the inhabitants in a co-construction approach: 15% of the 5,000 inhabitants of Bout-des-Pavés Chêne-des-Anglais people got involved in the consultation. A multidisciplinary team was formed to run two citizen dialogue workshops and "build" a guide plan, led by an urban architect, urban programming, and landscape expertise. At the heart of the district, real "urban parks" are to be created to make their living spaces with benches, planters, new games, green loops to connect them to natural spaces. With Nantes Nord, Nantes is one of the 7 pilot cities to join the Urbinat experiment, conducted on a European scale. Its purpose is to defend the urban model of "nature in the city.

Thematic Area – Healthy public space
Thematic Sub-category -

- Buildings & environment
- Smart city domains for the citizens in green cities
- Smart city solutions and tools
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Street and residential project

Green City Elements:

- Green Urbanism
- Energy Efficiency in Urban Planning
- Green areas and Heat Island Effect
- Heatwaves
- Smart (People, Environment, Living)
- Citizen Engagement
- Co-creation in Urban Planning

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Proper public engagement. Game as a tool

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: Medium

Innovation and Impact
Teenagers were involved in public consultations by testing a citizen dialogue application called Super Barrio, which helped them to imagine the green face of their neighbourhood. During the workshops, the inhabitants of Nantes Nord had the opportunity to survey their neighbourhood and to imagine future infrastructures and developments, to reappropriate green spaces and give them uses.
Expected Impact **High**
Level of Scale of Innovation 5

Benefits: Temperature & Climate control, Improved Air Quality, Improved environmental resilience, Limiting impact of heatwaves by reducing urban temperatures, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities, Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Adjusting psychological well-being and physical health, Enhancing social ties.
Flooding & water quality, improved environmental resilience, social cost savings (such as the impact of reduced air pollution)
Challenges: n/a

URBAN DIGITAL TWINS FOR URBAN DEVELOPMENT OF THE FUTURE

Location: Hamburg, Leipzig, Munich
Country: Germany
Contact Information: cut@leipzig.de
Website Address: Link

Image: © Ekkasit919 via GettyImages.com

The primary goal of this sub-project is to revolutionize urban community involvement by integrating digital collaboration techniques with traditional methods, targeting a broader and more diverse urban demographic. Key objectives include enhancing digital participation by developing and testing a Digital Participation System (DIPAS) in Leipzig and Munich, with collaborative efforts in Hamburg. The project also focuses on competence building, supporting the adoption of new digital tools and creating resources for other cities to bolster their digital participation strategies. Additionally, it explores innovative co-creation methods, particularly the use of Urban Digital Twins, to foster more effective community engagement in urban planning. This initiative is designed to equip municipalities with advanced skills and expertise to deepen civic engagement in a digital landscape.

Thematic Area – Digitalisation
Thematic Sub-category -

- Sustainable Mobility
- Smart city domains for the citizens in green cities
- Smart city solutions and tools

Type of Actor/Agent - Local council
Typology of Green Urban Site – Urban

Green City Elements:

- Smart (Economy, People, Governance, Mobility, Living)
- Citizen Engagement
- Co-creation in Urban Planning

Innovation and Impact:

The project's innovation is encapsulated in its holistic integration of traditional and digital civic engagement methods, the adaptability of the Digital Participation System (DIPAS) across diverse urban landscapes, its emphasis on equipping municipalities with the skills to harness these tools effectively, and its pioneering approach to co-creation, especially through the use of Urban Digital Twins, fostering a collaborative, bottom-up urban development process.
Expected Impact **High**
Level of Scale of Innovation 5

Engagement and Consultation:

Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - Proper public engagement
E-Tool

Benefits: Improving physical fitness and reducing depression, Increased cultural significance, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Social cost savings (such as the impact of reduced air pollution), Creation of green jobs and business opportunities, Adjusting psychological well-being and physical health, Enhancing social ties, Providing educational opportunities.

Challenges: Its challenging by varying levels of digital literacy, infrastructure constraints, concerns over data privacy, inherent resistance to change, potential cultural and language barriers, limited municipal resources, the risk of engagement fatigue, the need to ensure inclusivity for all demographic groups, the importance of establishing a tangible feedback loop, and the continuous requirement for training and support for both city staff and the public.

Resources and Transferability:

Teaching Materials/Resources: Link
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: High

E-TRIKALA

Image: © rcphotostock via Canva.com

Location: Trikala
Country: Greece
Contact Information: info@e-trikala.gr
Website Address: https://www.e-trikala.gr/

E-Trikala S.A. is an emerging company, formed within the Municipality of Trikala. E-Trikala continuously aims to the development of Information and Communication Technology (ICT) based applications, oriented to the improvement of all citizens' everyday life, in a medium- sized city, simplifying public transactions, reducing telecommunication costs, and delivering new services related to the local way of life. Moreover, these ICT applications offer new ways and methods that enable citizens to participate in policymaking, while in parallel establishing Local Government and Public Authorities as guarantors of local society's every day proper, digital and distanced operation.

Thematic Area – Digitalisation
Thematic Sub-category -

- Sustainable Mobility
- Tourism Adapted to Climate Change
- Waste management
- Smart city domains for the citizens in green cities
- Smart city solutions and tools

Type of Actor/Agent - Private business
Typology of Green Urban Site – City, Urban areas

Green City Elements:

- Public Transport
- Electric and Alternative Mobility
- Adapted Touristic Facilities
- Compost
- Smart Economy
- Smart People
- Smart Governance
- Smart Mobility
- Smart Living
- Citizen Engagement
- Co-creation in Urban Planning

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - https://www.e-trikala.gr/portfolio/e-dialogos-egovernment-tool/

Innovation and Impact:
E-Dialogos is an innovative e-Government "tool", in which each Trikala citizen – from anywhere in the country or the planet – has free access. Through the website www.edialogos.gr citizens have the opportunity to actively participate in decision-making processes of the municipality, with the use of new technologies.
Similarly, the Municipality of Trikala is given the opportunity to work creatively and productively with people making online polls, picking Electronic Signatures and participating in an online consultation with a view to preparing and implementing policy actions.
Expected Impact **n/a**
Level of Scale of Innovatio n/a

Benefits: Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities, Improved visual quality of the environment
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: Medium

DAFNI

Location: Ionian and Aegean islands
Country: Greece
Contact Information: info@dafninetwork.gr
Website Address: Link

Image: © rmetamorworks via GettyImages.com

The purpose of the project is the development of a Geospatial Data Online Portal for all the Greek islands apart from Crete and Evia. The project is essentially about establishing an organised database network (platform) with common standards and protocols, which will ensure compatibility and interoperability between data and services. The purpose of the project is to enable users to actively participate in designing the Portal, by intervening with comments and recommendations on the completeness of information. Furthermore, it will allow them to express well-founded opinions on administration decisions, which refer to geospatial/environmental data. The ultimate objective of the project is to establish cooperation and data exchange relationships with other actors (e.g., The Ministry of Environment and Energy and the Ministry of Maritime Affairs and Fisheries, etc.).

Thematic Area – Digitalisation
Thematic Sub-category -

- Tourism Adapted to Climate Change
- Smart city domains for the citizens in green cities
- Smart city solutions and tools

Type of Actor/Agent - Non-profit Organization
Typology of Green Urban Site – Creativity Centre

Green City Elements:

- Compost
- Smart Economy
- Smart People
- Smart Governance
- Smart Mobility
- Smart Living
- Citizen Engagement
- Co-creation in Urban Planning
- Artificial Intelligence

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was not applied
Consultation Tools Used - n/a

Innovation and Impact: n/a
Expected Impact **n/a**
Level of Scale of Innovatio n/a

Benefits: Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: Medium

WASTE BINS FOR RUNNERS AND BIKERS

Location: Miskolc
Country: Hungary
Contact Information: reszvetel@miskolc.hu
Website Address: Link

Image: © luoman via GettyImages.com

Originating from the Netherlands and Denmark, nowadays, there are more and more public garbage bins in many cities around the world that cyclists and runners can use on the move.
The idea was shared by citizens in the process of the city's participatory budgeting, then selected by public voting and municipality decision. Eventually, 10 garbage bins will be placed for cyclists and runners along running tracks and bike paths. The exact location of these garbage bins are also selected by public voting.

Thematic Area – Healthy public space
Thematic Sub-category -
- Waste management
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site –Street and residential project

Green City Elements:
- Green Urbanism

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Proper public engagement, Google Forms were used.
Continuous information is shared on the city's platform for public participation: https://tervezzukmiskolcot.hu/

Innovation and Impact: n/a
Expected Impact **High**
Level of Scale of Innovation 3

Benefits: Increased biodiversity, Improving physical fitness and reducing depression, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Improving physical fitness and reducing depression.
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources:
Description of the phases of the participatory budgeting (only in Hungarian): https://tervezzukmiskolcot.hu/reszveteli-koltsegvetes
Personal Skills Required: Medium
Non-discriminatory Principles: n/a
Transferability Potential: High

VIZAFOGÓ PUBLIC PARK

Location: Budapest
Country: Hungary
Contact Information: ugyfelszolgalat@bp13.hu
Website Address: Link

Image: © sndr via GettyImages.com

The almost 1 ha of ECO park with smart city functions was opened in March 2022. They have planted 59 trees, 4 evergreens and 3200 bushes in addition to thousands of flowers and grass species. They are watered from a groundwater well with an automatic irrigation system. There is an artificial lake in the park with a café and public toilet with baby change opportunity. The water level of the lake is monitored by an automatic indicator system, the water can be replenished from collected rainwater, compensating for evaporation loss. The rainwater falling on the paved surfaces was channelled towards the green areas. Public lighting is provided by 35 public lighting poles and traditional lamps; cameras, WIFI, and loudspeakers are also installed on the poles. The LED light sources are adjustable according to the traffic. The park contributes to counterbalancing the urban heat island effect, creating a microclimate that is cooler than its surroundings and provides an opportunity to enjoy leisure activities.

Thematic Area – Digitalisation
Thematic Sub-category -

- Water as natural resource
- Buildings & environment
- Behavioural adaptation to extreme weather
- Smart city domains for the citizens in green cities
- Smart city solutions and tools

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Public Park

Green City Elements:

- Water Recovery and Reuse
- Water storage
- Sustainable Drainage Systems
- Irrigation
- Green areas and Heat Island Effect
- Bee-friendly gardens
- Heatwaves
- Smart Environment
- Smart Living
- Sensorization.

Innovation and Impact:
The water level of the lake is monitored by an automatic indicator system, the water can be replenished from collected rainwater, compensating for evaporation loss. Public lighting poles have smart functions and provide energy-efficiency and public
Expected Impact **High**
Level of Scale of Innovation 4

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Proper public engagement, Google Form.

Analysis:
Benefits: Temperature & Climate control, Improved Air Quality, More wildlife & better habitats, Increased biodiversity, Improved environmental resilience, Limiting impact of heatwaves by reducing urban temperatures, Improving physical fitness and reducing depression, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Social cost savings (such as the impact of reduced air pollution), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Adjusting psychological well-being and physical health, Enhancing social ties, Improving physical fitness and reducing depression.
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Medium
Non-discriminatory Principles: n/a
Transferability Potential: Medium

ESTABLISHING KINDERGARTEN COMPOSTERS AND RAISED GARDEN BEDS

STRENGTHENING THE CULTURE OF COMPOSTING

Location: Budapest
Country: Hungary

Contact Information: nyitott@budapest.hu
Website Address: otlet.budapest.hu/projektek/180

Image: © melGreenFR via Pixabay.com

During the voting of the 2021/2022 participatory budgeting of Budapest, one of the winning ideas was to establish kindergarten composters, raise garden beds and strengthen the culture of composting. It is worth starting to raise awareness in childhood. By composting in the kindergarten and growing plants in raised garden beds, children can learn about the processes of nature. Kindergartens can apply for grants to purchase composters and raised garden beds. In addition, awareness-raising events and training will be held for the beneficiaries who, this way, will be able to share their knowledge and their experience with their colleagues, the children, and their parents.

Thematic Area – Circular Economy
Thematic Sub-category -

- Waste management
- Better consumption & production
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Kindergarten

Green City Elements:

- Compost
- Conscious Consumption

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Proper public engagement, using platform: https://otlet.budapest.hu/

Innovation and Impact: n/a
Expected Impact **High**
Level of Scale of Innovation 1

Benefits: Increased biodiversity, Improving physical fitness and reducing depression, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Enhancing social ties, Providing educational opportunities, Improving physical fitness and reducing depression
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Medium
Non-discriminatory Principles: n/a
Transferability Potential: High

PUJ - PRATO URBAN JUNGLE

Location: Prato
Country: Italy
Contact Information: cmed@comune.prato.it
Website Address: Link

Image: © ironsailo via GettyImages.com

The Prato Urban Jungle project aims to promote creative and visionary urban design to re-naturalise the neighbourhoods of Prato in a sustainable and socially inclusive way. To this end, urban jungles will be developed in four specific areas of the city as an innovative solution to address sustainable land use issues within the city. "Urban jungles" are areas with a high density of greenery, immersed in the urban infrastructure, which multiply the natural capacity of plants to break down pollutants, while at the same time restoring unused soil and space for community use, transforming marginal and degraded areas into green active hubs

Thematic Area – Healthy public space
Thematic Sub-category -

- Water as natural resource
- Buildings & environment
- Smart city domains for the citizens in green cities
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site – City urban garden

Green City Elements:

- Water Recovery and Reuse
- Green areas and Heat Island Effect
- Bee-friendly gardens
- Smart Environment
- Citizen Engagement
- Sensorization

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - proper public engagement
Link1, Link2

Resources and Transferability:
Teaching Materials/Resources: Link
Personal Skills Required: Low
Non-discriminatory Principles: Yes
Transferability Potential: High

Innovation and Impact
City's forestation strategies have been discussed with local inhabitants through a series of Junglathon participatory workshops (Junglethon LAB) based on a design thinking approach. The Junglathon path consists of the implementation of 3 co-design cycles, one for each area of intervention of the urban jungle, made up of the following phases:

- Research phase & engagement
- Co-design workshop
- Testing & definition

Expected Impact **High**
Level of Scale of Innovation 4

Benefits: Improving temperature and climate control, along with air quality, can reduce urban heatwaves, enhance biodiversity, and improve water quality, leading to better wildlife habitats and environmental resilience. These changes offer health benefits like improved physical fitness and reduced depression, increase cultural and aesthetic value, and provide social and educational advantages. Overall, they contribute to the community's well-being and ecological prosperity.

Challenges: Securing funding and resources, effectively engaging the community, navigating regulatory processes for land redevelopment, balancing urban growth with conservation, tackling technical aspects of sustainable green space creation, ensuring long-term viability, and accurately measuring the project's impact.

#POGGIBONSIFORFUTURE

Poggibonsi for future

Location: Poggibonsi
Country: Italy
Contact Information: info@comune.poggibonsi.si.it
Website Address: Link

Image: © Poggibonsi via webpage

Poggibonsi is actively pursuing sustainability and climate change initiatives as part of its 2019-2024 city government program. This commitment includes a series of multi-year actions, with the municipality now in a key planning phase for the area's future. Over the next two years, Poggibonsi will develop four major urban projects: a new Structural Plan, the Urban Plan for Sustainable Mobility (SUMP), the Action Plan for Sustainable Energy and Climate (SECAP), and a plan for reorganizing the municipal solid waste management and collection service. Complementing this, the "Poggibonsi For Future" initiative aims to engage and inform the community, facilitating a participatory approach in developing these urban planning instruments. This integrated strategy focuses on improving mobility, energy saving, waste collection, and effective territorial governance.

Thematic Area – Climate change mitigation
Thematic Sub-category -

- Sustainable Mobility
- Green Urbanism related to Energy consumption
- Renewable & Alternative Energy Sources
- Buildings & environment
- Waste management
- Smart city (domains for the citizens in green cities, city solutions and tools)
- Better consumption & production
- Energy Efficiency

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Street and residential project

Green City Elements:

- Mobility (Human-Powered, Public Transport, Electric and Alternative, Multimodal)
- Integrated Photovoltaics in Urban Environment
- Energy (Efficiency in Urban Planning, Savings)
- Solar Energy – Photovoltaics
- Waste (Compost, Plastic)
- Conscious Consumption
- Smart (People, Governance, Mobility, Environment, Living)
- Citizen Engagement
- Co-creation in Urban Planning

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Medium
Non-discriminatory Principles: n/a
Transferability Potential: High

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used -Survey or feedback forms at public meetings, Stakeholder interviews, Proper public engagement
Link

Innovation and Impact:
Activities of stakeholders' engagement through a mix of awareness campaigns, involvement of students and children, and co-development of the council's strategic planning documents.
Expected Impact **Medium**
Level of Scale of Innovation 4

Benefits: Improving climate control and air quality brings multiple benefits: enhanced wildlife habitats, environmental resilience, reduced heatwave impacts, and better overall well-being through improved biodiversity and visual environments. This leads to social cost savings, recreational and educational opportunities, aesthetic pleasure, stronger social connections, and health improvements, including better physical fitness and less depression.
Challenges: n/a

GREENSAM: CITY OF RIGA: MOBILITY LAB

Location: Riga
Country: Latvia
Contact Information: evita.riekstina@riga.lv
Website Address: https://greensam.eu/

Image: © AntonMatveev via GettyImages.com

The aim of the "GreenSAM" project is to promote green mobility in Baltic Sea region cities, focusing on one user group - older urban residents, ensuring they have extensive opportunities to actively use environmentally friendly urban transport.
As a result, through the co-design process with active participation from the target group and the public, local municipalities' knowledge about senior mobility needs is improved, the effectiveness of green mobility services isenhanced, and the proportion of seniors using green mobility services is increased.

Thematic Area – Digitalisation
Thematic Sub-category -

- Sustainable Mobility
- Smart city domains for the citizens in green cities
- Smart city solutions and tools

Type of Actor/Agent - Local Council, partnership
Typology of Green Urban Site – Semi-Urban

Green City Elements:

- Public Transport
- Shared Mobility and MaaS
- Multimodal Mobility
- Smart (People, Governance, Mobility, Living)
- Citizen Engagement
- Co-creation in Urban Planning.

Engagement and Consultation:
Target Groups - Citizens (seniors)
Public Engagement - Was applied, proper public engagement.
Consultation Tools Used - Presentations, focus groups, survey or feedback forms at public meetings.

Resources and Transferability:
Teaching Materials/Resources: Link
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: High

Innovation and Impact:
This project, focusing on enhancing urban mobility for seniors in Baltic Sea Region cities, adopts an innovative approach by specifically addressing the often-overlooked mobility needs of the ageing population. It includes a comprehensive toolkit tailored for older residents, promoting green mobility with practical solutions. An interdisciplinary mobility lab offers a holistic strategy to tackle mobility challenges, evidenced by a successful pilot in Riga. The project emphasizes understanding seniors' mobility habits and needs for evidence-based solutions. It also updates public space guidelines for better senior accessibility and explores blockchain's potential in public transport to improve efficiency and sustainability.
Expected Impact **High**
Level of Scale of Innovation5

Benefits: Improved Air Quality, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Social cost savings (such as the impact of reduced air pollution), Providing educational opportunities.
Challenges: High regulatory barriers exist for blockchain solutions that use various types of cryptocurrency settlements or public blockchains, which make the data recorded in the blockchain freely available to all interested parties.

CLIMATEXCHANGE

Location: Lyceums all over Luxembourg
Country:Luxembourg
Contact Information: info@climatexchange.lu
Website Address: Link

Image: © lovro77 via GettyImages.com

The government actively involved students in the consultations concerning environmental issues. To better understand their expectations, ideas, and proposals, four regional workshops were held in lyceums in May 2019. The workshops addressed sustainable schools, mobility, waste, energy and agriculture (sustainable consumption and production).

Thematic Area – Circular Economy
Thematic Sub-category -

- Sustainable Mobility
- Waste management

Type of Actor/Agent - Government
Typology of Green Urban Site – Urban

Green City Elements:

- Citizen Engagement
- Co-creation in Urban Planning

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was not applied
Consultation Tools Used - N/A

Benefits: Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities, Enhancing social ties.
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources Platform
Personal Skills Required: n/a
Non-discriminatory Principles: n/a
Transferability Potential: High

Innovation and Impact: n/a
Expected Impact **Medium**
Level of Scale of Innovation 3

VALLETTA DESIGN CLUSTER

Location: Valletta
Country: Malta
Contact Information: info@vca.gov.mt
Website Address: Link

Image: © Greenvolve project

The Valletta Design Cluster within the Valletta Cultural Agency is a community space for cultural and creative practice situated in the renovated Old Abattoir (Il-Biċċerija l-Antika) in Valletta. The project supports design and entrepreneurship having a positive social impact, taking collaborative creative approaches as the key to achieve benefits for individuals, communities and society at large.

Thematic Area – Healthy public space
Thematic Sub-category -

- Buildings & environment
- Tourism Adapted to Climate Change
- Smart city solutions and tools
- Green Urbanism related to improving social relations

Type of Actor/Agent - Creativity Centre
Typology of Green Urban Site – Green roof or wall

Green City Elements:

- Green Urbanism
- Integrated Photovoltaics in Urban Environment
- Energy (Efficiency in Urban Planning, Efficiency in Buildings, Poverty)
- Water Recovery and Reuse
- Irrigation, Buildings and Climate Change
- Green roofs and walls
- Buildings and Climate Change
- Shading facilities
- Green areas and Heat Island Effect
- Bee-friendly gardens
- Adapted Touristic Facilities
- Heatwaves
- 3Rs and 7Rs
- Conscious Consumption
- Short Supply Chain
- Smart (People, Environment, Living)
- Citizen Engagement
- Co-creation in Urban Planning

Resources and Transferability:
Teaching Materials/Resources: Link
Personal Skills Required: Low
Non-discriminatory Principles: Yes
Transferability Potential: High

Innovation and Impact:

- User-centred on-site consultations with future users and communities;
- The establishment of a small green roof in the Capital Valletta;
- Promotion of green roofs when planning for new urban development areas;
- The establishment of new working spaces for creativity and innovation;
- Establishment of a social hub and place of rest in a dense and historically impoverished slum area;
- Planting 'seeds' for serenity, greenery and social exchange in an otherwise densely built city.

Expected Impact **High**
Level of Scale of Innovation 4

Benefits:
The initiative addresses climate and water management, boosts biodiversity, and enhances environmental resilience. It reduces urban heat, improves visual quality, and fosters well-being. Additionally, it creates green jobs, offers recreational and educational opportunities, and supports physical and psychological health, while strengthening social connections
Challenges: Public challenges since the community was apprehensive and feared losing this space in the neighbourhood.

Engagement and Consultation:
Target Groups - Citizens.
Public Engagement - Was applied
Consultation Tools Used - Focus groups, Stakeholder interviews, Proper public engagement
Resources

RECREATE: NATURE-BASED CO-CREATION IN SENGLEA

Location: Senglea
Country: Malta
Contact Information: info@ecostackinnovations.com
Website Address: Link

Image: © Rebecca Turner via GettyImages.com

ReCreate (NatuRE-based Co-CREATion in SenglEa - Beauty in Diversity) is one of the 18 Citizen Engagement projects, from across 14 countries, which projects will develop innovative and collaborative models of initiatives that increase citizen engagement and involve communities in the design of sustainable public spaces that address local challenges. ReCreate will build upon the vision of a group of residents from the locality of Senglea, who are actively reimagining their hometown as a greener, more liveable space, using arts and gardening as their inspiration. The project aims to reconnect communities with nature through placemaking activities for children and residents. By embedding nature in placemaking we hope to contribute to achieving the sustainability challenge of halting biodiversity loss, increasing resilience, addressing inequalities in access to nature and improving aesthetics. A BioBlitz is a celebration of biodiversity! It is an event that focuses on finding and identifying as many species as possible in a specific area over a short period of time. In a BioBlitz, students, scientists and community members work together to explore the natural world. Participants join to observe and collect data about plants and animals found in a designated area and time frame. This process has become easier using smartphone applications that can help collect localised data about organisms, while assisting the user in identifying species.

Thematic Area – Healthy public space
Thematic Sub-category - Green Urbanism related to improving social relations
Type of Actor/Agent - Private business
Typology of Green Urban Site – Public square

Green City Elements:

- Green Urbanism
- Green areas and Heat Island Effect
- Bee-friendly gardens

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Workshop with small discussion
E-Tool

Resources and Transferability:
Teaching Materials/Resources: Nature-Based Placemaking in High-Density Cities
Personal Skills Required: Low
Non-discriminatory Principles: Yes
Transferability Potential: High

Innovation and Impact:
This learning outcomes document defines nature-based placemaking, provides an overview of the benefits of effective stakeholder engagement, and evaluates the role of citizen science activities in reconnecting communities with nature while sharing practical advice based on the outcomes of the ReCreate project.
Expected Impact **High**
Level of Scale of Innovation n/a

Benefits:
Temperature & Climate control, Increased biodiversity, Improved environmental resilience, Increased cultural significance, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Adjusting psychological well-being and physical health, Enhancing social ties, Providing educational opportunities.
Challenges: n/a

CREATION OF RAIN GARDEN

Location: Gdańsk
Country: Poland
Contact Information: budzetobywatelski@gdansk.gda.pl
Website Address: Link

Image: © Gdańskie Wody via link

A rain garden was created at the "Promyk" animal shelter. The goal was to reduce the amount of rainwater flowing from the smooth surfaces and to drain the area of the "Promyk" animal shelter in Gdańsk. The idea was submitted and accepted in the Participatory Budget 2022 in Gdańsk.

Thematic Area – Climate Change Adaptation
Thematic Sub-category -

- Water as natural resource
- Behavioural adaptation to extreme weather

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Street and residential project

Green City Elements:

- Water Recovery and Reuse
- Water storage
- Sustainable Drainage Systems
- Irrigation
- Flash Flood

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - Proper public engagement.
Own platform is used for participatory budgeting: https://gdansk.ardvote.pl/

Innovation and Impact: n/a
Expected Impact **High**
Level of Scale of Innovation 3

Benefits: Flooding & water Quality, Increased biodiversity, Improved environmental resilience, Social cost savings (such as the impact of reduced air pollution), Improved visual quality of the environment, Aesthetic enjoyment.
Challenges: n/a

Resources and Transferability:
Teaching Materials/Resources: Inspiration catalogue for ideas in the participatory budgeting: https://www.gdansk.pl/budzet-obywatelski/katalog-inspiracji
Personal Skills Required: High
Non-discriminatory Principles: n/a
Transferability Potential: High

GREEN ROOF VIA PARTICIPATORY BUDGETING

Location: Cluj Napoca
Country: Romania
Contact Information: bugetareparticipativa.ro/contact/
Website Address: Link

Image: © Project result via Link

The area of the public transport station located in Piața Garii was rehabilitated by Cluj-Napoca City Hall. 6 bus stops with a green roof were installed on the site.

Thematic Area – Climate Change Adaptation
Thematic Sub-category - Buildings & environment
Type of Actor/Agent - Local Council
Typology of Green Urban Site – Green roof or wall

Green City Elements:

- Green roofs and walls
- Green areas and Heat Island Effect

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - Proper public engagement
www.bugetareparticipativa.ro

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Medium
Non-discriminatory Principles: n/a
Transferability Potential: High

Innovation and Impact: n/a
Expected Impact **Medium**
Level of Scale of Innovation 2

Benefits: Temperature & Climate control, Improved Air Quality, Limiting impact of heatwaves by reducing urban temperatures, Improved visual quality of the environment, Aesthetic enjoyment
Challenges: n/a

INTEGRATED URBAN RENEWAL, SAVSKO NASELJE, LJUBLJANA

Location: Ljubljana
Country: Slovenia
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Website Address: Link

Image: © Halfpoint via Canva.com

The project in Savsko naselje was initiated by the Municipality of Ljubljana in 2013. Organized and spontaneous community meetings were held to define a programme for regeneration of the neighbourhood on several levels including bottom-up spatial planning and a traffic plan for the neighbourhood. A bottom-up spatial vision for public spaces was prepared which combined proposals and initiatives for public spaces of Savsko naselje such as activities in urban gardens. A community centre was also established which houses non-profit activities and acts as a "Library of Things" where residents can borrow a variety of items for sports, play, household or travel.

Thematic Area – Improving social relations
Thematic Sub-category -

- Waste management
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site – Street and residential project

Green City Elements:

- Green Urbanism
- 3Rs and 7Rs
- Citizen Engagement

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - Survey or feedback forms at public meetings

Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Low
Non-discriminatory Principles: n/a
Transferability Potential: High

Innovation and Impact: n/a
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits: Increased biodiversity, Improving physical fitness and reducing depression, Increased cultural significance, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Adjusting psychological well-being and physical health, Enhancing social ties, Improving physical fitness and reducing depression.
Challenges: n/a

ASAMBLEA CIUDADANA POR EL CLIMA (CITIZEN ASSEMBLY FOR THE CLIMATE)

Location: Spain
Country: Spain
Contact Information: Link
Website Address: Link

Image: © David Henry via Pexels.com

The objective is to establish a social dialogue on the major issues involved in the ecological transition, around the question: "A safer and fairer Spain in the face of climate change. How do we do it?

Thematic Area – Climate change mitigation.
Thematic Sub-category - Green Urbanism related to improving social relations
Type of Actor/Agent - The assembly involves a diverse range of participants including national and international public administrations, organizations like the UNFCCC, European Commission, Spanish government ministries, civil society consumer and environmental organizations, and citizens.
Typology of Green Urban Site – The sites covered by the objectives established in the final report range from the city to rural areas, trying to improve the quality of life of the inhabitants of the different areas.

Green City Elements:

- Mobility (Human-Powered, Public Transport, Electric and Alternative, Shared and MaaS)
- Green Urbanism
- Integrated Photovoltaics in Urban Environment
- Energy Efficiency in Urban Planning
- Solar Energy – Photovoltaics
- Positive Energy Neighbourhoods
- Energy (Efficiency in Urban Planning, Communities, Alternative Sources, Management Systems, Urban Consumption, Savings)
- Buildings and Climate Change
- Circular Design
- 3Rs and 7Rs
- Conscious Consumption
- Smart (Economy, People)
- Citizen Engagement

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied, proper public engagement
Consultation Tools Used - In-person focus group, Focus groups, Stakeholder interviews, Proper public engagement.
Link

Innovation and Impact
The fact of making people with different profiles participate in the assembly helps to have a better understanding of the existing problems and to set objectives in different areas, both rural and urban.
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits:
The assembly fosters discussions on ecological transition and climate change mitigation, involving diverse stakeholders to enhance green urbanism and sustainable practices, ultimately improving life quality and fostering a sustainable future
Challenges: It comprises any person who makes use of that space without distinguishing between the personal abilities of each of them.

Resources and Transferability:
Teaching Materials/Resources: Info
Personal Skills Required:Medium
Non-discriminatory Principles: Yes
Transferability Potential: Medium

APP GRANADA MEJORA

Location: Granada
Country: Spain
Contact Information: Link
Website Address: www.gecorweb.com

Image: © Gecor via Link

This service allows the maintenance of public spaces to be managed transversally, integrating technicians, managers, service companies and citizens. It establishes a multidirectional communication channel that facilitates a transparent and positive relationship between a municipality and its citizens, for those who are committed to becoming a Smart City.

Thematic Area – Digitalisation.
Thematic Sub-category - Smart city domains for the citizens in green cities;
Smart city solutions and tools;
Green Urbanism related to improving social relations.
Type of Actor/Agent - Citizens.
Typology of Green Urban Site – Urban public road

Green City Elements:

- Electric and Alternative Mobility
- Shared Mobility and MaaS
- Green Urbanism
- Circular Design
- 3Rs and 7Rs
- Conscious Consumption
- Smart People
- Smart Governance
- Smart Mobility
- Smart Living
- Citizen Engagement
- Sensorization
- Artificial Intelligence
- Energy Management Systems

Innovation and Impact

It integrates through web services with your company's applications, MAPS, ERP, etc. It can be used in the cloud or on your servers. Adaptable to the municipality. It is used by municipalities of all sizes: from 5 thousand to 1 million inhabitants.
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits:

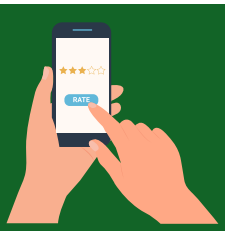
mproved Air Quality, More wildlife & better habitats, Improved environmental resilience, Increased cultural significance, Social cost savings (such as the impact of reduced air pollution), Improved visual quality of the environment, Providing educational opportunities.
Challenges: Knowing the real status of the incidents. Controlling in real time the incidents detected by technicians, customers or companies. The historical state and the information necessary for its management are controlled. Involves the citizenry in the maintenance of the city.

Engagement and Consultation:

Target Groups - Citizens
Public Engagement - Was applied
Consultation Tools Used - In-person focus group, Workshop with small discussion, Presentations, Written reports, Stakeholder interviews
Link

Resources and Transferability:

Teaching Materials/Resources: Video
Personal Skills Required: Low
Non-discriminatory Principles: Yes
Transferability Potential: Medium



OK (CONCELLO DE PONTEVEDRA)

Location: Pontevedra
Country: Spain
Contact Information: contacto@pontevedra.gal
Website Address: https://ok.pontevedra.gal/

Image: © Tobi via Pexels.com

This project proceeds with the change in priorities. Before, the car was "the king" and cities were adapted to circulation. Today, due to the awareness raising of climate change and the people's necessities, circumstances have changed radically, and people are relying on machines. In this way, the environment is getting better and citizens' quality of life too.

Thematic Area – Climate Change Mitigation
Thematic Sub-category -

- Smart city domains for the citizens in green cities;
- Smart city solutions and tools;
- Green Urbanism related to improving social relations.

Type of Actor/Agent - Politicians, Local police, citizens
Typology of Green Urban Site – Urban public road

Green City Elements:

- Human-Powered Mobility
- Public Transport
- Electric and Alternative Mobility
- Shared Mobility and MaaS
- Green Urbanism
- Smart Mobility
- Citizen Engagement

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - Basic statutory planning obligation, Survey or feedback forms at public meetings, Focus groups
Tools, Experience

Innovation and Impact
Walking is the most natural, healthy, and effective mean of transport. Sustainable mobility and reduction of fossil fuels burning are in this case the way to get a greener city. The adopted changes are improve citizens´ living conditions.
Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits:
Temperature & Climate control, Improved Air Quality, limiting impact of heatwaves by reducing urban temperatures, Social cost savings (such as the impact of reduced air pollution), Improved visual quality of the environment, Recreational opportunities, Aesthetic enjoyment, Improving physical fitness and reducing depression.
Challenges: In addition to the works and material actions to be carried out to achieve sustainable mobility, road safety and universal accessibility, the main challenge is of a social nature. Compliance by pedestrians and drivers with the necessary regulations is essential to achieve the objectives of a healthy and safe city.

Resources and Transferability:
Teaching Materials/Resources:
Video Article Link
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: Medium

URBAN DEVELOPMENT CRITERIA IN THE NEW GREEN AXIS OF PERE IV STREET

Location: Barcelona
Country: Spain
Contact Information: Link
Website Address: Link

Image: © Kastro via Canva.com

Barcelona City Council wants to build a city model that has a healthier, safer, greener public space that favours social relations and the local economy. In this context, a participatory process has been launched to work with citizens to develop the intervention criteria for the axis of Carrer Pere IV between Joan d'Austria and Roc de Boronat.

Thematic Area – Healthy public space
Thematic Sub-category -

- Sustainable Mobility
- Smart city solutions and tools
- Green Urbanism related to improving social relations

Type of Actor/Agent - Local Council
Typology of Green Urban Site – City urban garden

Green City Elements:

- Green Urbanism
- Smart People
- Smart Governance
- Citizen Engagement

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - In-person focus group, Survey or feedback forms at public meetings, Stakeholder interviews, Proper public engagement.
Link

Benefits:
Improved Air Quality, Improved environmental resilience, Improving physical fitness and reducing depression, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities, Improved visual quality of the environment, Recreational opportunities, Adjusting psychological well-being and physical health, Enhancing social ties, Improving physical fitness and reducing depression.
Challenges: n/a

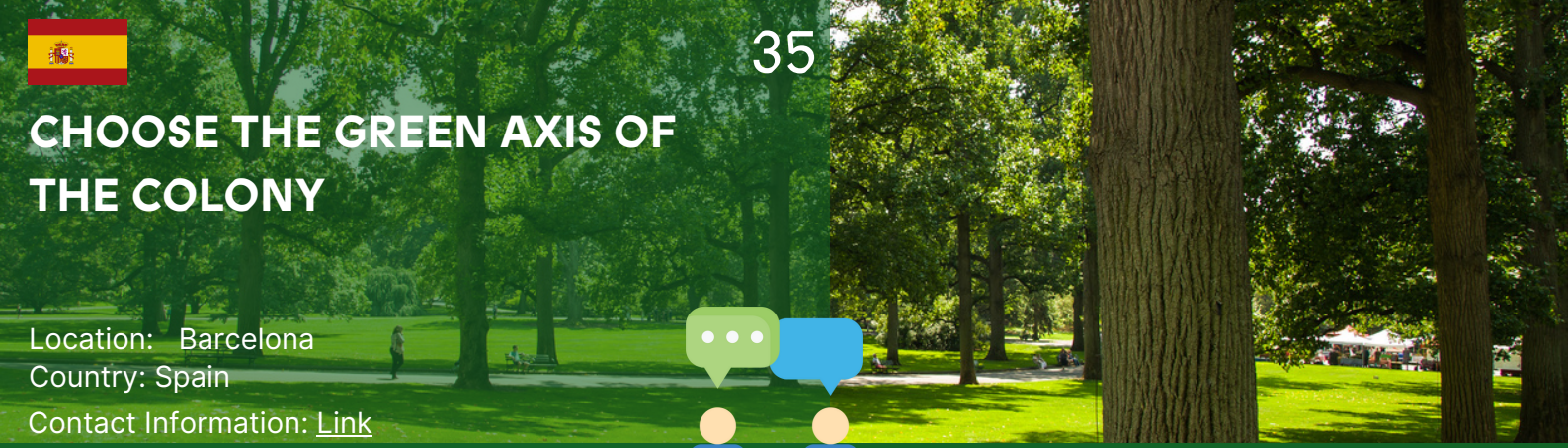
Resources and Transferability:
Teaching Materials/Resources: n/a
Personal Skills Required: Low
Non-discriminatory Principles: Yes
Transferability Potential: Medium

Innovation and Impact
Participatory process to draw up, together with the citizens, the intervention criteria for the Pere IV street axis.
To find out about people's experiences and needs for Green areas, with shade and fountains where the following activities can be carried out:

- Recreational areas for walking, resting, sunbathing, cycling, or parking;
- Commercial activities;
- Meeting areas for socialising;
- Recreational and sporting activities;

Expected Impact **Medium**
Level of Scale of Innovation 3

CHOOSE THE GREEN AXIS OF THE COLONY



Location: Barcelona
Country: Spain
Contact Information: Link
Website Address: Link

Image: © Jaminwell via GettyImages.com

The objective is the drafting of the executive project for a new 10,000 square metre public green space in the Les Corts neighbourhood of Barcelona. Barcelona City Council wants to listen to and gather the needs and proposals of entities, groups, neighbours, and residents, promoting active participation in the urban transformation of Colonia Castells with the aim of defining criteria and proposals. The participatory process 'Choose green Colonia Castells!' is an open process for two reasons: to think, together, about how we want this 10,000 square metre space in the district to be and, at the same time, to help shape an inclusive and broad green network that benefits all citizens and includes the needs of the residents of the neighbourhood and the district.

Thematic Area – Climate Change Mitigation
Thematic Sub-category - Green Urbanism related to improving social relations
Type of Actor/Agent - Local Council
Typology of Green Urban Site – Green spaces for sports and children´s games

Green City Elements:

- Green Urbanism
- Bee-friendly gardens
- Smart People
- Citizen Engagement

Engagement and Consultation:
Target Groups - Citizens
Public Engagement - Was applied.
Consultation Tools Used - Basic statutory planning obligation, Survey or feedback forms at public meetings, Workshop with small discussion, Focus groups, Stakeholder interviews, Proper public engagement
Link

Resources and Transferability:
Teaching Materials/Resources: Link
Personal Skills Required: Medium
Non-discriminatory Principles: Yes
Transferability Potential: Medium

Innovation and Impact
Development of the executive project for Colonia Castells' urban transformation. The process includes:

1. Information and Diagnosis: Sessions to gather expectations and needs for the public space, forming a basis for further proposals.
2. Proposals and Criteria: Analysis of topics and hosting workshops to gather sectoral inputs for the project.
3. Final Report: Presenting findings to the Monitoring Commission, followed by report drafting and feedback in an agreed format.

Expected Impact **Medium**
Level of Scale of Innovation 3

Benefits:
Temperature & Climate control, Improved Air Quality, Increased biodiversity, Well-being benefits (such as people's perception of increased biodiversity and improved visual quality of the environment), Creation of green jobs and business opportunities, improved visual quality of the environment, Recreational opportunities, Adjusting psychological well-being and physical health, Enhancing social ties, Improving physical fitness and reducing depression.
Challenges: n/a