NET ZERC EU MISSION PLATFORM

CLIMATE NEUTRAL AND SMART CITIES



WELCOME The NetZeroCities Community of Practice



Shape the future of urban sustainability

NetZeroCities Community of Practice









Community of Practice

What is a Community of Practice?

A community of practice (CoP) is a space gathering city officials, experts, and stakeholders from all sectors—energy, mobility, circular economy, construction —to accelerate climate action. Community members engage in learning and collaborating to enhance their knowledge and skills in that area.

Purpose

- Knowledge Sharing and learning
- Peer-to-peer exchange through engagement & collaboration
- Support for Climate Neutrality Goals

How

Many communities of practice rely on face-to-face meetings as well as web-based collaborative environments to communicate, connect and conduct community activities.





SOCIAL INNOVATION

People-based solutions for climate neutrality

in cities



Elina Wanne
Development Manager, Espoo Mayor's office, Strategy & Development Unit's Centre of Excellence for Sustainable Development



Barbara Damić Medi
Senior Professional Associate for Local
Development and EU Funding at City of
Dubrovnik Development Agency





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What does social innovation mean to you?

(i) Start presenting to display the poll results on this slide.

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What kind of social innovation projects have you been involved with?

(i) Start presenting to display the poll results on this slide.



What is Social Innovation about?

Social Innovation

is *not*

Social Impact

Social Entrepreneurship.

...is about changing how society works. ...is about getting people to act NOW changing social practices. ...is systemic.

Is about the end result (e.g. how many lives were impacted by an initiative or program).

Is about new forms of value creation based on social and economic principles. Social impact is the final goal of social enterprises and profit is essential towards guaranteeing continuous social impact.





What is Social Innovation?

Fosters inclusive and collaborative approaches to tackling climate challenges, making solutions more effective and rooted in community needs. It is a bottom-up, collaborative, systemic and human-centered approach to innovation. In short, it is social in its means and its ends.

Fostering Collective Action

Invites citizens to actively contribute to the mission through lifestyle changes, participation, entrepreneurship

Inclusion and Diversity

Reflects demographic diversity and addresses the needs of underrepresented or vulnerable groups.

Improved Policy Quality

Incorporates diverse perspectives and evidence, leading to more effective, transparent, and responsive policies.

Building Active Community Structures

Creating new structures for communities to act positively for the climate and together (e.g. energy communities)

Meets Social Needs and Overall Wellbeing

Innovations that satisfy "real" unmet needs of society, considering the economic development and overall wellbeing of people and planet at every step

Creates new relationships

Engages different actors in new relationships giving space for new collaboration and further innovation and a more vibrant ecosystem

Collective sense of agency

Creating a more collective vision to development and ways of being/living

Increased capacity to act

Building new skills and knowledge that allow for broader participation

Social Cohesion

Enhances trust in democracy and combats disinformation, fostering unity and civic engagement.





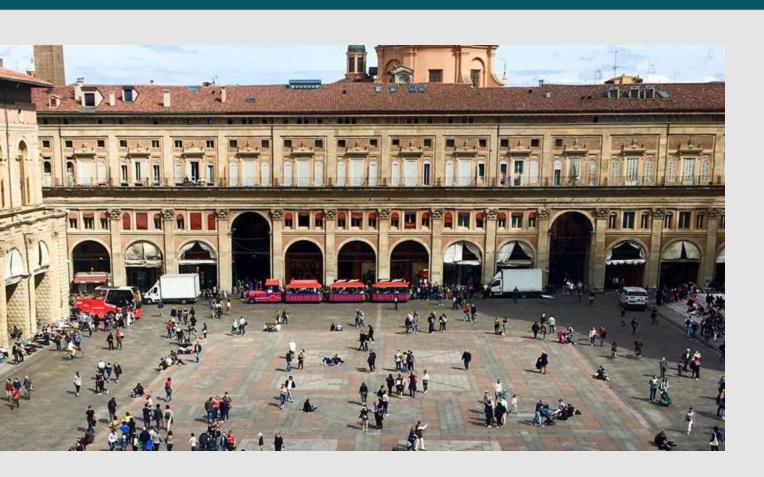


... creating collective sense of agency

City Labs







... creating new relationships and increasing the capacity to act

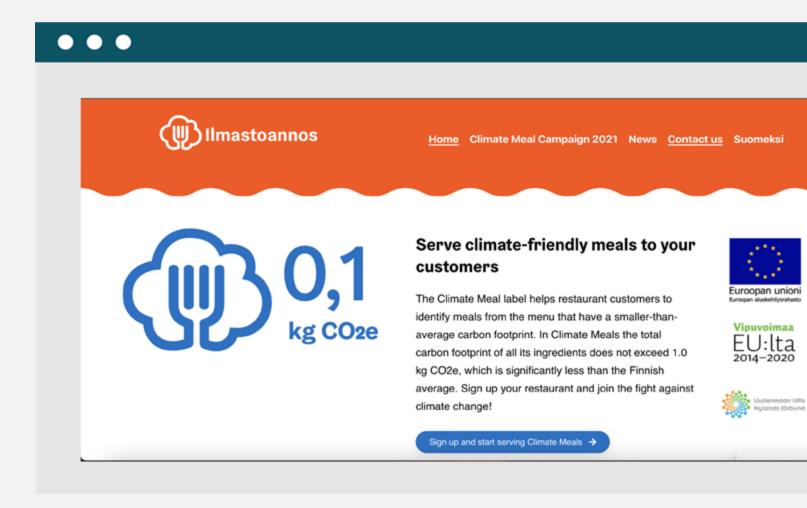
Municipalities as platforms for collective urban action - participatory budgeting





... fostering collective action

Climate Labels





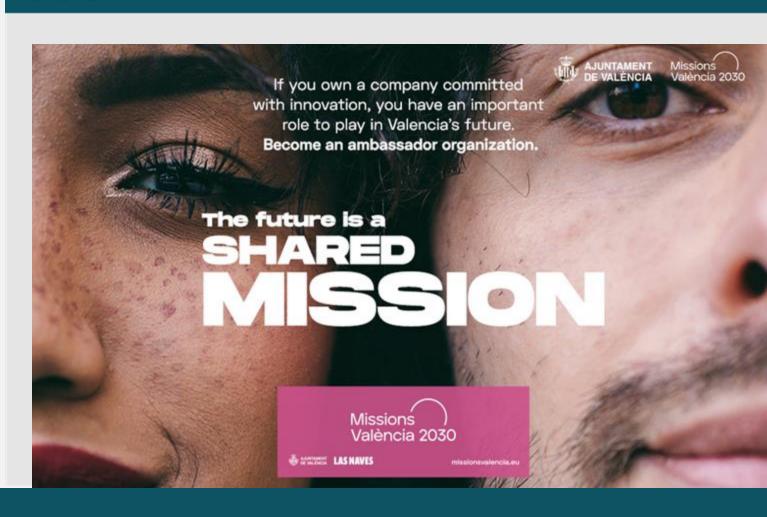


... Building active

community structures and

creating new relationships

Climate Labels

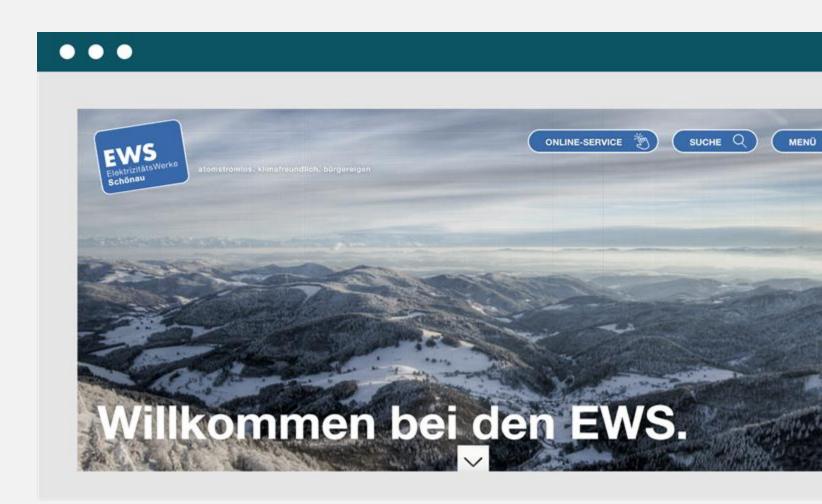






... Building active community structures, creating a collective sense of agency and an increased capacity to act to meet social needs

New Business Models – eg. Energy Communities







• • •

... creating spaces for new relationships and collective action

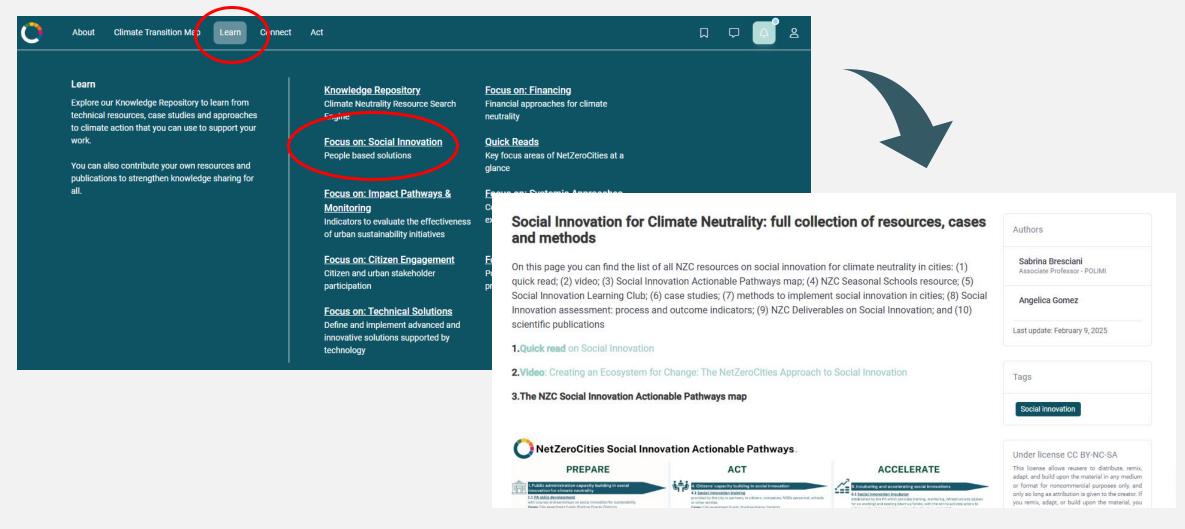






Social Innovation in NZC

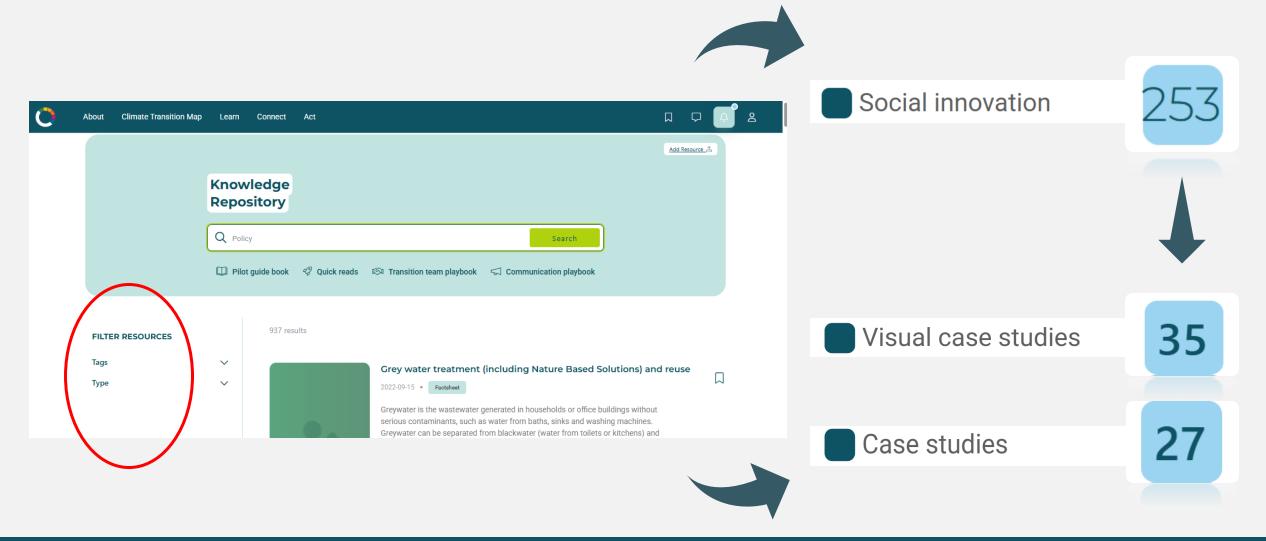






Social Innovation case studies in NZC







Social Innovation case studies in NZC







slido

Please download and install the Slido app on all computers you use





Have you explored the social innovation resources on the NZC platform? Which ones have you found most helpful?

(i) Start presenting to display the poll results on this slide.





Overview of the Barcelona Citizen's Assembly



- 100 people chosen by lottery.
 - From 16 to 75
- Held between September and December 2022
- 10 sessions and four phases
 - Preparation Phase
 - Information and Capacitation Phase
 - Deliveration phase
 - Voting phase
- Results:
 - 34 concrete and argued recommendations with actions to develop them within the framework of the 3 areas



Energy



Mobility



Consumption and waste management







Positive outcomes and lessons

- Direct evaluation of the effectiveness of the strategies and instruments used to raise awareness of the seriousness of the socio-environmental crisis in civilizans
- Estimation of the degree of perception of the seriousness of the climate problem by citizens.
- Detection of what needs the population has in order to make systemic and behavioral changes.
- Take into action collaborative processes involving citizens all around the city and using their main ideas and concerns rearding climate change to cocreate a portfolio of action sent to the municipality.







Co-creation model and toolbox supporting smart and sustainable urban development

Social Innovation:

People-based solutions for climate neutrality in cities 13 February, 2025

Elina Wanne

Development Manager. Sustainable Energy - City of Espoo

The Espoo Story



The Sustainable Espoo Programme

Goals



1. Espoo will be a pioneer in implementing the UN Sustainable Development Goals



2. Espoo will achieve carbon neutrality by 2030



3.The Espoo community and residents will act sustainably



4.Espoo will be a model city of sustainable urban development



5. Espoo is the best development partner for sustainable and smart urban solutions

Development entities

Mobility and transport

Energy systems

Circular economy and sustainable living

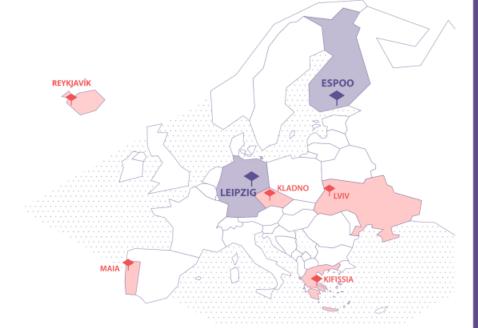
Sustainable land use and construction

Nearby nature and biodiversity



Horizon 2020 SPARCS (2019-2024) project

- International research and innovation project on smart city topics
- ▶ +30 partners, 2 *Lighthouse* and *Fellow* cities
- Development of future positive energy districts (PEDs)
 - "Districts where more sustainable energy is produced than consumed."
- Focus on urban transformation towards zero carbon solutions:
 - Local energy systems, RES solutions, energy management
 - Sustainable mobility, e-mobility and charging solutions, travel behavior
 - ► Citizen engagement, human-centric solutions
- Supports Espoo's strategic aims to be carbon neutral by the 2030 and reach SDGs by 2025
- Collaboration between the city and private companies on the demo sites











































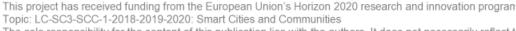












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SPARCS

Co-creation model for sustainable and smart urban area – starting point

- ▶ Challenge: How to co-develop urban areas and urban solutions together with different stakeholders?
 - Moving from building-perspective towards an areaperspective
 - ➤ Setting shared visions and targets for sustainability and integrate smart solutions together with different stakeholders for shared benefit and optimization locally
- ▶ **Perspective**: urban area is a set of systems where different solutions and elements form a larger whole (e.g. Positive Energy Districts, PEDS)



Picture 1. Positive Energy District (PED)



Kera area as an innovator in co-creation

- Currently a brownfield area (old logistics area) which will be turned into a new urban district with 14.000 residents and 10.000 jobs
- The new Kera will be built sustainably according to the principles of the circular economy, emphasizing carbonneutral solutions
- ➤ Transformation from an old industrial area to a new city district enables experimentation with sustainable solutions and a new kind of cooperation, where the city is built together from the beginning. Kera is an opportunity for cooperation, learning and growth at the forefront of future urban development
 - Kera Development Commitment







Co-creation model for sustainable and smart

urban area

- ► The result: a virtual toolkit for sustainable and smart urban areas.
 - Source of inspiration and practical tools and methods, not a rigid model or pre-defined format
- ► Toolkit is divided into six themes that are key to the regional co-creation process
- ▶ It describes the process, methods and practices that support the development of sustainable and smart urban areas and the implementation of urban solutions at regional level in cooperation with different stakeholders
- ► The model is applicable to all urban areas and urban systems identified for development
- Openly available for anyone to utilize.



Co-creation model Toolkit

For Sustainable and Smart Urban Areas

Instructions

We have divided the toolkit into six themes that are key to the regional co-creation process. The section Prerequisites will introduce you to the process of developing a sustainable and smart city, its benefits and prerequisites. The section Identification of starting points describes issues that are important in the preparatory phase of co-creation more tangibly. The section Solutions development unfolds the co-creation process, especially in creating sustainable mobility and energy communities, as well as valuable co-creation experiences from the City of Espoc's Kera area. Finally, we will present methods and roles, and explore the possibilities for co-creation further.

IMPLEMENTATION

CONTRACT

Identifying solutions

5. Roles of the operator

Recurrence over

the lifecycle

Phases

6. Things to think about in

LETTER OF INTENT

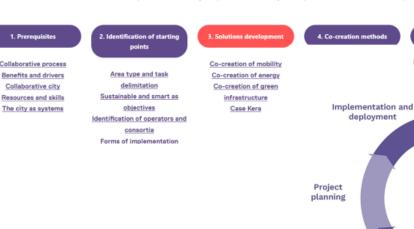
Needs and current state mapping

Identifying the need

for development and the parties

involved

Setting objectives





This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 864242 Topic: LC-SC3-SCC-1-2018-2019-2020; Smart Cities and Communities

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Participatory budgeting in the city of Dubrovnik February 2025.





- Dubrovnik Development Agency Ltd. –
 DURA, is a professional, non-profit
 organization that was established by the
 City of Dubrovnik in 2007 with the
 primary aim to prepare and implement
 EU-funded projects
- DURA is 100% owned by the City of Dubrovnik
- Currently there are 17 professionals employed full time
- DURA represents a union between the City and other institutions and organizations relevant to sustainable local development







- Technical support in the preparation of EU-funded projects
- Preparation of nationally-funded project proposals
- Management and coordination of projects
- Support for entrepreneurs
- Support for NGOs
- Education
- Preparation and drafting of strategic documents for public entities







- Dubrovnik Development Agency
 DURA is the coordinator and
 operational implementer of the
 Participatory Budgeting (PB)
 project, a democratic tool through
 which decisions on the allocation
 of part of public funds are made in
 direct cooperation with citizens
 - In 2023 and 2024 project was implemented at the level of 25 Local Units of the City of Dubrovnik







- Participatory Budgeting (PB) Project is implemented in the City of Dubrovnik in 2023 and 2024
- Citizens trough the workshops are presenting proposals that aims to improve the quality of life of the community of the city district/local city councils to which the citizen belongs
- Each proposal must be described concretely and objectively
- After the workshops the proposals are sent to the Commission for a technical check
- Citizens vote by districts or local city council via the VOXPOPULI online platform available on the website of the City of Dubrovnik









8 CITY DISTRICTS – EUR 120,000.00 per each district







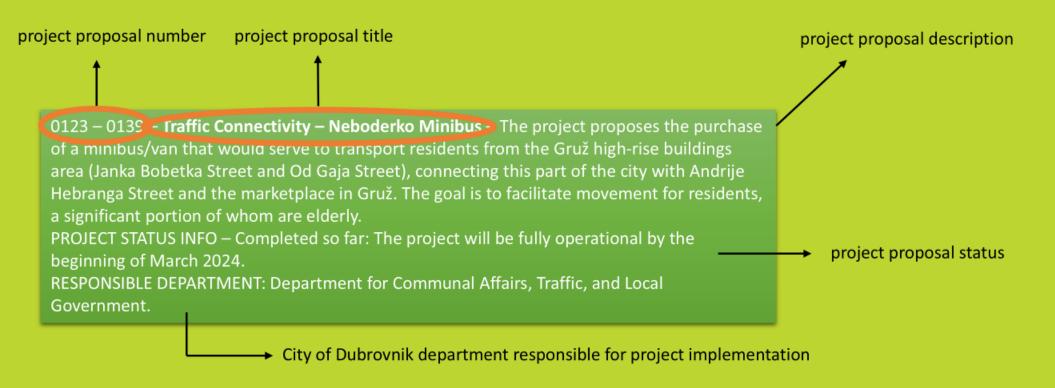
17 LOCAL CITY COUNCILS - EUR 60,000.00 for each council







The projects **that were voted as winners** in the first year of implementation (2023) are scheduled for completion by the end of 2024. Below is an overview of some of them:



On our website For the Better City!, you can find information about all the projects that have been proposed and approved as part of the Participatory Budgeting in city districts and councils.







0224 – **Public Lighting on the Section from the Highway to the Beach** – The project proposes the development of the section from the highway to the beach in Brsečine (Kriva Ulica, Put uz Progon). This would involve mowing and landscaping the street, pouring concrete bases for the installation of lighting poles, and installing solar-powered lighting poles along the section, up to the approved financial limit. PROJECT STATUS INFO – Completed so far: The project has been completed, with the pedestrian path to the sea in Brsečine illuminated and landscaped. RESPONSIBLE DEPARTMENT: Department for Communal Affairs, Traffic, and Local Government.



Osvjetljena pješačka staza do mora u Brsečinama

3. srpnja 2024.

Realiziran je još jedan projekt participatívnog budžetiranja, završeni su radovi na uređenju i osvjetljenju pješačke staze

Pročitaj više »



Source: Za bolji Grad

Source: Za bolii Grad



Kreće obnova kamenog pješačkog puta do Bosanke

9. listopada 2024.

Radovi počinju ovog tjedna i odvijat će se do kraja godine, a obuhvaćaju pažljivu demontaži postojeće kamene staze i izradu nove u duljini od 150 metara najkritičnije dionice puta. Realizaciju projekta vodi Upravni odjel za komunalne djelatnosti, promet, more i mjesnu samoupravu.

Pročitaj više »

0012 – Reconstruction of the Pedestrian Path "Put od Bosanke" – The project proposes the reconstruction of the pedestrian path "Put od Bosanke," which connects Bosanka to the Adriatic Highway, specifically the underpass on the highway, due to its deterioration and damage. The most damaged section of the path, the stone steps, is located in Bosanka. The plan is to level and grout them to improve safety for local residents and tourists who frequently use this walkway. PROJECT STATUS INFO – Completed so far: Work has begun and will continue until the end of the year. The works include the careful dismantling of the existing stone path and the construction of a new path over a 150-meter stretch of the most critical section. Based on the expressed wishes of the residents of Bosanka, the reconstruction will restore the stone pedestrian path that connects the settlement to the D8 state road, Srđ Station, and the underpass, which requires renovation due to its condition.

RESPONSIBLE DEPARTMENT: Department for Communal Affairs, Traffic, and Local Government.

0263 – Children's Playground in Ploče District (Project Documentation) – The project proposes the development of project documentation for the construction of a children's playground on Bruna Bušića Street. This would include a topographic survey, cost estimation, and other necessary documentation. The playground construction would involve equipping the area with play structures such as climbing frames, slides, swings, roundabouts, etc., as well as installing protective fencing, benches, and lighting.

PROJECT STATUS INFO – Completed so far: The plot has been cleared and surveyed. The development of the main project is ongoing, with delivery and partial implementation planned according to the available funds for this year. RESPONSIBLE DEPARTMENT: Department for Construction and Project Management.



Gradi se igralište u Ulici Bruna Bušića





Source: Grad Dubrovnik

U Kliševu započeli radovi na sanaciji vodospreme Kalac, projekt se prema željama građana nastavlja i u 2025. godini

Source: Grad Dubrovnik

0192 – Water Reservoir Kalac and Goveđarica – Work has begun on the renovation and redevelopment of the Kalac water reservoir, located in the Kliševo local committee area. The selected project plans for the complete restoration and adaptation of the reservoir, including all necessary infrastructure, access, and surrounding environment.

PROJECT STATUS INFO – Completed so far: Renovation work has begun

RESPONSIBLE DEPARTMENT: Department for Construction and Project Management.

PARTICIPATIVNO BUDŽETIRANJE Na Koločepu uređena i betonirana vodovodna trasa

PARTICIPATIVNO BUDŽETIRANJE





REALIZACIJA PROJEKATA PARTICIPATIVNOG BUDŽETIRANJA Uređuje se pješačka i biciklistička staza u Rožatu

ARTICIPATIVNO BUBŽETIRANJE



Novi krov na objektu društvenog doma u Mrčevu, nastavak uređenja također kroz participativno budžetiranje

PARTICIPATIVNO BUDŽETIAVLIE





PARTICIPATIVNO BUDŽETIRANJE Počelo uređenje parkirališta u Suđurđu



ODABRALI GRAĐANI Geotehnički istražni radovi za garažu Naš dom u Mokošici u sklopu participativnog budžetiranja

a G 💟 📠 🕓 🖶



Kreće izvedba radova na komunalnoj infrastrukturi naselja Šunj na Lopudu u sklopu participativnog budžetiranja

CRITERIA FOR PROJECT PROPOSALS

Acceptability criteria of the project proposal:

- 1. The project proposal is under the jurisdiction of the City of Dubrovnik.
- 2. The project proposal is within the given financial framework for the individual project (including VAT).
- 3. The realization of the project proposal is feasible in a period of 12 months, in one budget year from 01.01.2025. until 31.12.2025. (including public procurement).
- 4. Projects exclusively contribute to the general interest of the community
- 5. The project proposal is in accordance with the development strategies and priorities of the City of Dubrovnik.
- 6. The project proposal is not a religious or politic nature.
- 7. The project proposal can not consist of several different thematic units, but must be conceived as a well-rounded, concrete project/unit.
- 8. The project needs approval of the technical commission of a certain administrative department.







- Participatory budgeting in primary schools project is being implemented for five years
- Successfully implementing project in cooperation with professors and coordinators
- Sixth grade students from seven Dubrovnik primary schools each year participate in project
- Students can choose one project per school through the processes of proposals, campaigns and voting
- Having financial resources at their disposal, students can buy, repair or organize something in their school







Leaflet for homework - Participatory budgeting in primary schools

ZA RODITELJE

Poštovani roditelji.

Dubrovačka razvojna agencija DURA d.o.o. več četvrtu godinu zaredom u suradnji s Gradom Dubrovnikom uspješno pravodi projekt Participathvo budzetiranje u dubrovačkim osnovnim školarna. Projekt se provodi u školskoj godini 2023/2024 u sedam osnovnih škola: kvan Gundulić, Lapad, Montovjerna, Marin Držik, Marin Cetaldić, Mokošica i Antun Maske. Učenici kroz proces predleganja i glasovanja biraju jedam projekt po školi u vrijednosti od 2.700.00 č bez POV-a. Svi projekt uspješno se realiziraju kroz suradnju učenika predlagatelja, škola, Grada Dubrovnika i DURA-e.

Ovim projektom učenici se uključuju u proces donošenja odluka o raspodjeli dijela javnih sredstava u njihovim školama te in na takov način učimo da mogu i trebaju biti dio demokratskog procesa odlučivanja

Proble su godine u pracesu participativnog budžetiranja sudjelovala 403 učenika i učenica šestih razreda svih sedam gradskih osnovnih škola i svojim su školama donijeli vrijedne projekte, učinivši škole boljim i ugodnijim mjestom za svu djecu.

Ove godine učenici će ponovno imati priliku predstaviti svoje ideje koje su osmislili kao domaci zadatak, iz svakog razreda proizaci će po jedna ideja, koja će biti popraćena kampanjom, a potom će uslijediti finalno glasovanje za jednu pobjedničku ideju po školi i ta će se ideja realizirati u ovej škotskoj godini.

Molimo Vas da podržite svoje dijete u sudjelovanju, jer možda upravo njegova ideja bude realizirana i donese dobrobit cijeloj školi!

Na unutarnjoj strani letka nalazi se okvir za domaci zadatakkoji je potrebno popuniti, a koji će se predstavljati u razredu. Prije popunjavanja domaćeg zadatka obratite pažnju na kriterije za razradu ideja (nalaze se unutar letka).

Kriteriji za ideju za vašu školu



Ideja koja će doprinijeti školi nadležnosti je škole.



Ideja koja ne utječe štetno na okoliš!



Ideja koja je za opće dobro većeg broja učenica i učenika.



ldeja koja nije vjerske, religijske ili stranačke naravi.



ldeja koja će se moći realizirati do kraja kalendarske godine.



Ideja koja ne košta više od 2.700.00 € (bez PDV-a).

Suglasnost roditelja za fotografiranje i snimanje

Suglasan/a sam da se

ne I (missione administration

FOTOGRAFIRA I SNIMA u školi tijekom provedbe projekta participativnog budžetiranja.

Učenike će snimati DURA, a fotografije i snimke će se koristiti iskljućivo za potrebe:

- informiranja javnosti o provedbi projekta participativnog budžetiranja,
- izrade grupne fotografije razreda i promotivnog videa projekta.

THE DESIGNATION OF

Sudjeluj i ti!



Drage učenice i dragi učenici, pred vama je važan domaći zadatak!

Vala je škola mjesto u kojem provodite puno vremena, mjesto u kojem učite i zabavljate se, stoga se škola trudi omogućiti vam najbolje uvjete!

Škola je odlučila sudjelovati u projektu u sklopu kojega možete predložiti ono što mislite da u školi nedostaje ili bi moglo biti bolje.

Projekt koji odaberete s učenicama/učenicima iz generacije, može vrijediti do 2.700.00 eura (bez PDV-a). S ovim financijskim sredstvima možete u svojoj školi nešto kupiti, popraviti ili organismati.

Popunite ovaj letak vašom idejom i donesite ga slje deći tjedan u školu, odnosno na iduću radionicu!

Predstavite svoju ideju prijateljicama i prijateljima i zajedno glasujte za ideju koja če se ostvariti:









CRITERIA FOR THE PROPOSAL FOR YOUR SCHOOL!

- Proposal that will contribute to the school and it is within the competence of the school.
- Proposal that is for the common good of a larger number of students.
- Proposal that can be realized by the end of the calendar year.
- Proposal that costs no more than 4,000.00 euros (without VAT).
- Proposal that is not of a religious or political nature.
- Proposal that does not harm the environment.



VOTING





















Thank you for attention!

DUBROVNIK DEVELOPMENT AGENCY DURA

Branitelja Dubrovnika 15

Tel: 00385 20 638-236

Mail: info@dura.hr

Iva Rašica

irasica@dura.hr

00385 99 520 0046





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In which areas would you like to see how social innovation can contribute (e.g. mobility, energy, circular economy, finance ...)?

i) Start presenting to display the poll results on this slide.



Get Involved!

Supporting the EU Mission

for "Climate Neutral and Smart Cities by 2030"



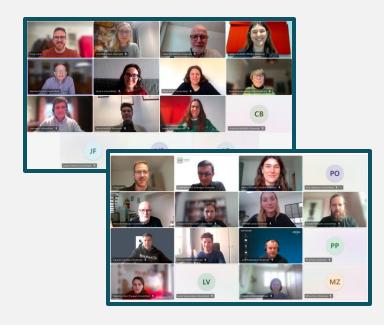
Share your resources, tools publications and city case studies to support climate-neutral transformation in cities



Connect with other experts & cities and explore opportunities to collaborate and drive impact



React to call for tenders & help cities build capabilities and ways of working to advance systemic change using innovation

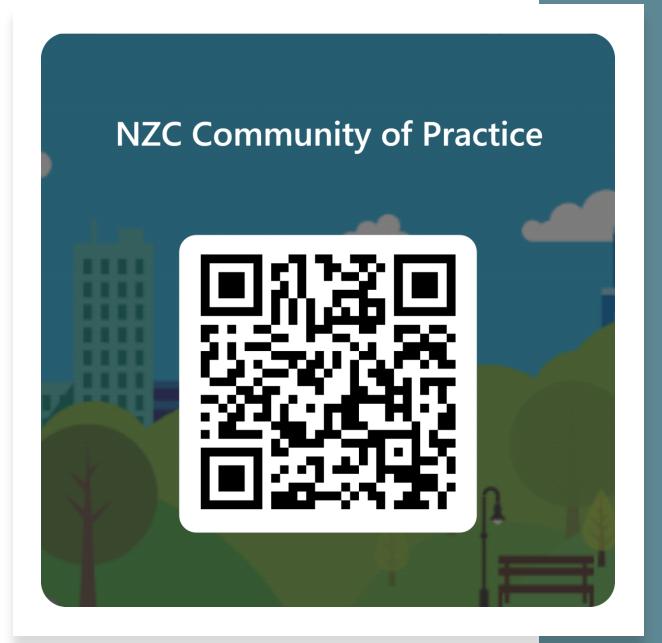


Organize the next city data webinar with us!



Organize the next city data webinar with us!





Nature-Based Solutions NBS for Sustainable and Healthy Cities





José Miguel Lameiras

Date: 4th of March Time: 10:00-11:00

REGISTER NOW!

- Real-world insights: the NBARCER project, Valencia & Porto share NBS implementation experiences
- Innovative solutions: Leitat experts present technical insights
 & cutting-edge NBS technologies
- Actionable strategies: Practical guidance for integrating NBS into climate plans
- Interactive discussion: Live Q&A with city reps & NBS experts





Social Innovation: people-based solutions for Climate-Neutral Cities Upcoming webinars

Social innovation and mobility

Date: April 29th 10:00 - 11:00

- Behavioral change, sustainable mobility, and more!
- Speakers include EIT Urban Mobility and city representatives
- Registration open!

Additional webinars scheduled for March and June... stay tuned!

Have ideas of topics and speakers? Drop them in the chat!





THANK YOU!



Hope you enjoyed the webinar, and are excited to be part of this community to drive climate neutrality!

