

THEMATIC SESSION

Sustainable Urban Design: Positive Energy Districts and Flexible Energy Communities

Day 3 Fri. 10 Oct. 09.00 - 12.30 AM CEST











10 October 2025 | 09:00 - 12:30 h.

Monte Rosa 91 Conference Centre, Milan

Sustainable Urban Design: Positive Energy Districts & Flexible Energy Communities

Organized by











Sponsors:





















OPENING SESSION

SIMONE BUFFA, Ph.D. Dr. -Ing.

Thematic Area Leader - Smart and Sustainable Communities Renewables and Energy Efficiency Expert | R2M Solution Italy







"We now know how to make efficient buildings, but how to make efficient cities becomes a little more complicated because there is a problem of organizing space, networks and systems that implies widespread actions coordinated with each other"

Francesco Musco, Professor of Urban Planning at the IUAV University of Venice

duezero cinquezero - Padova, 2025



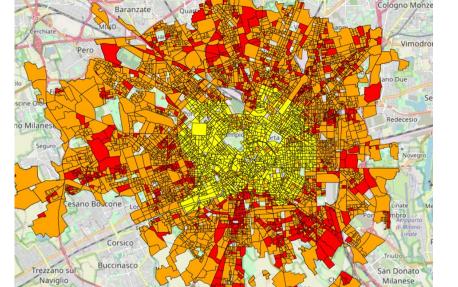
Thematic Area Smart and Sustainable Communities collaboration with:

















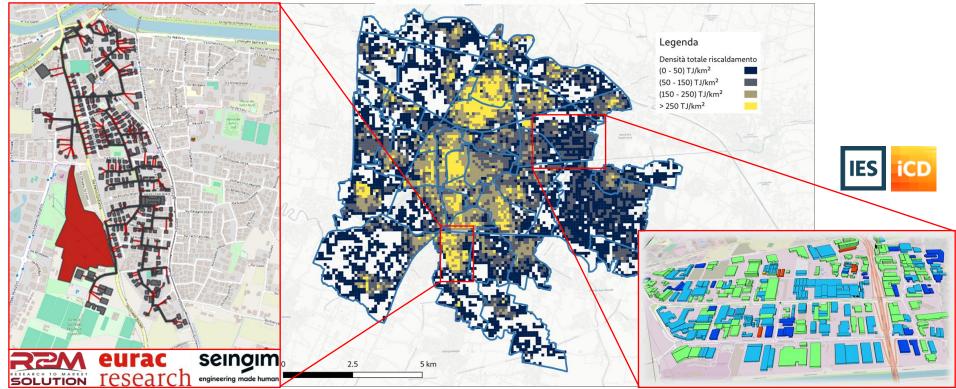


Thematic Area Smart and Sustainable Communities collaboration with:



+DHC4Padova

PADOVA 2030 CITTÀ A ZERO EMISSIONI +PAD VA X CHANGE





SOLUTION R2M SOLUTION SRL

Announcement:

the first REC powered by R2M in Italy!





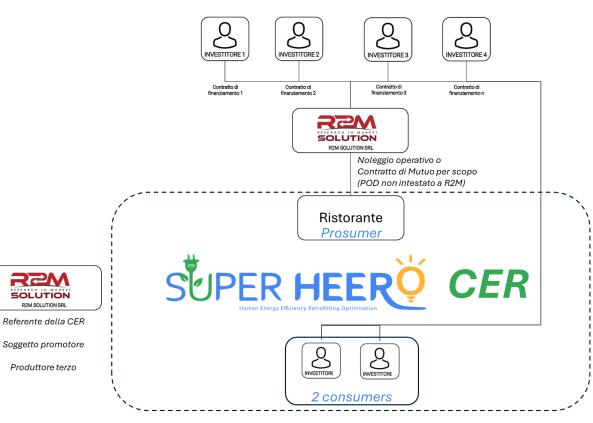
Keep yourself updated!



Invest on the platform:

www.super-heero.com

Don't miss the afternoon session!





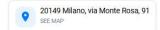
Announcement:

SP25 is the first event in Italy certified by Access4You!

SustainablePlaces 2025 - Milano

event location

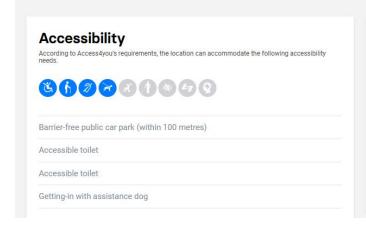
The Sustainable Places 2025 welcomes wheelchair users, the elderly, people with reduced mobility, people with hearing impairments and people with assistance dogs. The event takes place in Milan, on the 8-10th of October.

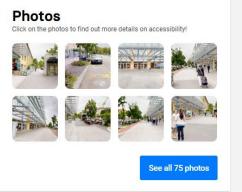






SOLUTION





Thanks to our colleagues of the **Innovative Products Division** for this achievement!





Let's get started!





"THE KNOW-HOW THAT SHOWS HOW"

"LA COMPETENZA CHE FA LA DIFFERENZA"

ANNA GAGLIARDI

Architetto – Project manager Task force Edilizia e Urbanistica Progetto 1000 esperti PNRR – Regione Lombardia





«Burocrazia vs Innovazione»

UN DIVARIO DA COLMARE



Le competenze e i regolamenti





"La velocità del cambiamento tecnologico ed ambientale è superiore a quella della normativa".

LA CRITICITA'





BUROCRAZIA LENTA



- AUTORIZZAZIONI
- TEMPI LUNGHI
- ITER COMPLESSI





INNOVAZIONE RAPIDA

- FONTI RINNOVABILI
- SMART CITY
- MOBILITA' SOSTENIBILE





RITARDO nell'applicazione di soluzioni utili a cittadini e imprese





Fattori di incertezza
per imprese e
investitori
derivanti da prassi
operative eterogenee
tra enti

Difficile definizione degli interventi

Mancanza di linee guida e incertezze nei procedimenti edilizi.

Complessità normativa e burocratica

Procedure complesse e disomogenea interpretazione delle norme.

Mancanza di coordinamento tra gli enti

Tempi di risposta lunghi e mancato utilizzo della Conferenza di Servizi

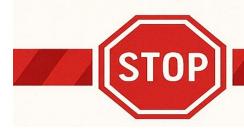
Eterogeneità nei metodi applicativi

Applicazione discrezionale della normativa e prassi operative diverse tra enti



LE CONSEGUENZE



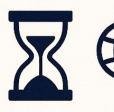




INVESTIMENTI INNOVATIVI BLOCCATI









DISALLIENAMENTO TRA ESIGENZE DELLE IMPRESE E CITTADINI E RISPOSTE DELLA P.A.







Crescente sfiducia nei confronti della pubblica amministrazione.



LE OPPORTUNITA'



normative

Per sfruttare queste opportunità, la PA deve rafforzare le competenze



Nella PA bisogna prepararsi pipeline di progetti di PPP, capace di supportare le amministrazioni nell'ideazione di iniziati ogettuali ad alto profilo "societal". a capire e gestire Il PPP ha dimostrato di funzionare molto bene "fuori dal Pnrr* per gli interventi di efficientamento energetico, cresciuti significativamente: un merci l'eredità del Pnrr molto dinamico ha saputo "sfruttare" la possibilita Correttivo al Codice Contratti la procedura "f Modelli di sviluppo/3 di progetto* sembra avvicinarsi sempre di p procedura negoziata, strada di riferin 'aggiudicazione di contratti di PPP a Veronica Vecchi totale) ma solo circa 800 hanno la qualificazione alche anno fa all'avvio del Pnrr si discuteva dell'importanza di creare massima. In questo panorama, meno del 20% dei comuni l'ha ottenuta, di cui circa 440 hanno la ne – per assenza del rischio operativ una legacy di nuove capacità, ncessione rispetto all'appalto. Gli soprattutto nelle PA locali, chian restire progetti con logiche di isultato. Si guardaya poi al PNRR empetenze accumulate dagli esperti Pnrr laddo ebbe del tutto inefficiente utilizzare il capitale come possibile fonte di co-finanziamento di anno saputo creare unità efficienti a supporto d oblico per finanziarli. In questo ambito, la recent iniziative di partnership pubblico-privato (PPP isura RepowerEU destinata generare un effetto moltiplicatore e per legan periodo 2018 - 2022 ha rappresentato circa il 105all'housing pubblico rappresenta un segnal l'investimento alla gestione, introducendo importante per faciliatare la transizione al PPP. delle gare per investimenti, con una punta del 16% Avvicinandosi il termine del programma, una moss nel 2019; il numero di gare è rimasto però costant Tiriamo un primo bilancio, guardando i dati che ogni vincente sarebbe l'allocazione delle risorse a rischie mostrando una tendenza all'utilizzo anche per anno il Pnrr Lab di SDA Bocconi elabora. piccoli progetti. Ma il suo peso in iniziative Pnrr ha di non spesa în fondi dedicati al finanziamento di registrato uno scarso 6%. D'altra parte anche sugli Nel 2022-24 il 30% delle gare di lavori (80 miliardi) iniziative di PPP, senza dimenticare che in un paes sono state realizzate per progetti Prirr e la buona notizia è che l'effetto "deadline" ha compresso i strumenti finanziari destinati agli investimenti, il in cui le capacità di fare PPP sono molto fragili servono misure di tipo demand-side e quindi a PNRR non ha ospitato sperimentazioni, se non con la tempi medi di aggiudicazione: circa il 16% in meno isura per i Piani Integrati Urbani volta a creaere oltre il 20% per i grandi progetti (200+ milioni). Sicuramente la diversa disciplina dei ricorsi e una addizionalità finanizaria. Essendo una misura rivolta progetti piuttosto che di tipo supply-side, cioè volte a finanziare progetti privati o di PPP di rigenerazione a sotenere l'offerta di capitale privato, che non responsabilità diffusa, che ha favorito la urbana sconta la seria carenza di progetti bancabili e collaborazione interistituzionale, sono state tempistiche urbanistiche molto lunghe. In ambito strutturați, fattibili e bancabili. decisive. In termini di competenze, sono circa 2200 rigenerazione urbana sarebbe stato forse opportuno le PA qualificate per appalti di lavori (il 10% del una misura di sostegno alla costruzione di una

Una riflessione urge per non disperdere le competenze accumulate dagli esperti Pnrr laddove hanno saputo creare unità efficienti a supporto degli enti, come in Lombardia. Passando al PPP: ne Green Skills

Green Skills

Digital Skills

Project

Competenze

Management

Nuove competenze in:

transizione ecologica e ambientale, innovazione digitale e intelligenza artificiale, project management e partenariato pubblico-privato, semplificazione normativa

LE SOLUZIONI





Cosa occorre allora?

Una PA agile, competente e capace di anticipare le sfide Attraverso norme e regolamenti aggiornati, semplici, orientati al futuro

Un nuovo rapporto tra norme e sviluppo sostenibile

"Investire oggi nelle competenze della PA significa garantire domani comunità più sostenibili, innovative e inclusive".









Benefici Tangibili

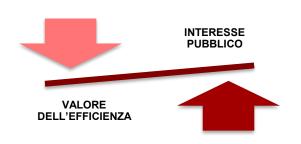
Riduzione di tempi e costi per gli investimenti delle imprese sul erritorio, affidabilità e trasparenza nei processi amministrativi.

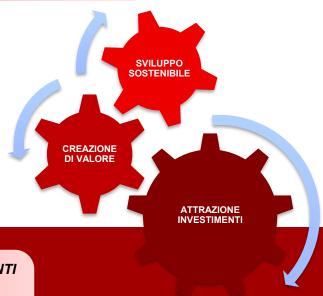
Aumento della qualità della vita dei cittadini e delle imprese





L'ETICA DELLA RESPONSABILITÀ NELLA GOVERNANCE TERRITORIALE





MIGLIORAMENTO DELLE RELAZIONI= FIDUCIA= MAGGIORI INVESTIMENTI
=
SVILUPPO SOSTENIBILE







Occorrono professionalità e competenze complesse e multidisciplinari per la gestione di accordi pubblici e privati che prevedono diverse discipline (economiche, tecniche, sociali, ecc) per l'atterraggio degli investimenti sui territori lombardi

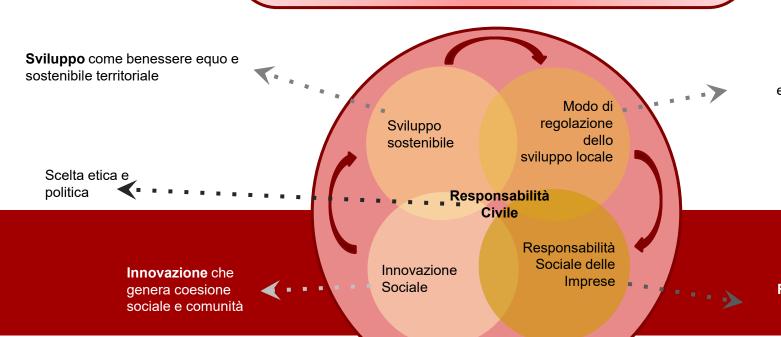
Partnership Pubblico Privato per il Territorio

Una nuova alleanza che valorizzi le competenze tecniche e la capacità di innovazione della PA





TERRITORI RESPONSABILI E GENERATIVI DI COMUNITÀ



Sistema di relazioni stato/mercato/comunità e **responsabilità sociale** dell'attore pubblico

Responsabilità sociale delle imprese ed etica del lavoro

Approccio ecosistemico

Coevoluzione su un territorio che apprende e genera valore condiviso





"VOGLIAMO RESTARE FERMI NELLA BUROCRAZIA O GUIDARE IL CAMBIAMENTO?"



«Il futuro non aspetta! Costruiamolo insieme»







Favorire **l'inclusione sociale**, il benessere dei cittadini, la salute e l'accessibilità ai servizi.

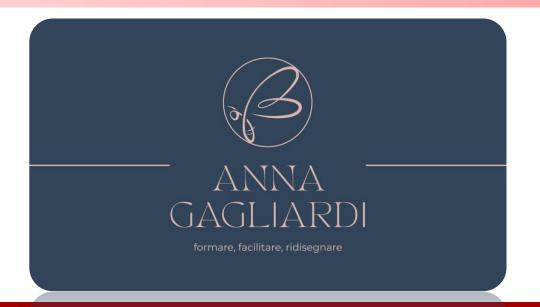


Garantire la sostenibilità economica attraverso la valorizzazione delle risorse, il recupero dell'esistente e la creazione di opportunità lavorative

Ridurre il consumo di suolo, energia, acqua e materiali, **promuovendo energie rinnovabili**, green building e spazi verdi.







Miglioriamo insieme la collaborazione tra imprese, comunità e pubblica amministrazione

GRAZIE DELL'ATTENZIONE

info@annagagliardi.it







Mainstreaming Energy Communities in Europe

Fayaz Ahmed

R&D Engineer & Project Manager, R2M Solution (Italy)





EU & Italian Perspectives on Scaling Energy Communities for 2030 & 2050

- 1 Why energy communities matter now,
- 2 What policy and market frameworks make them possible, and
- 3 How we can scale them across Italy and Europe to meet the 2030 and 2050 goals.





WHY THE TRANSITION IS URGENT (GREEN DEAL, PRICE VOLATILITY, ENERGY POVERTY)



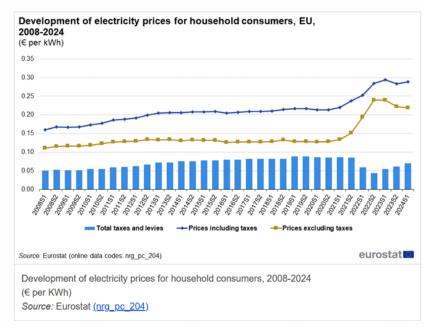
The EU Green Deal is a comprehensive policy initiative aimed at making the European Union the world's first climate-neutral bloc by 2050.

Reliance on fossil fuel imports causing price volatility & high supply costs.

Effects of high energy prices in Europe

 Retail electricity prices for households remain higher than pre-crisis levels.

Energy poverty affects more than 46 million Europeans.



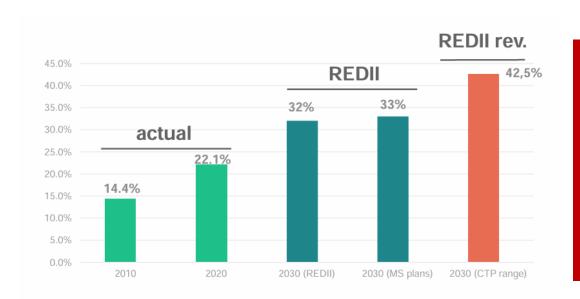
The energy transition is not just about carbon — it's about cost, security, and people.



SCALE OF THE CHALLENGE (MORE RENEWABLES, GRID INVESTMENT)



We must accelerate renewables and upgrade our grid to deliver the Green Deal



- We need to add about 1.5 times more wind and solar capacity by 2030.
- Additional EUR 560-580 billion of investments needed in the power grid by 2030.

We need new actors — not just new technologies.



HOW DO WE TACKLE THIS? BY EMPOWERING CONSUMERS.



When citizens become active participants, several things happen:

Public acceptance of renewables

Consumers become active energy citizens

Active consumers provide flexibility

Mobilize private capital

Citizens in Europe have the potential to invest up to 176 billion euros in the energy transition by 2030 - ACCE project



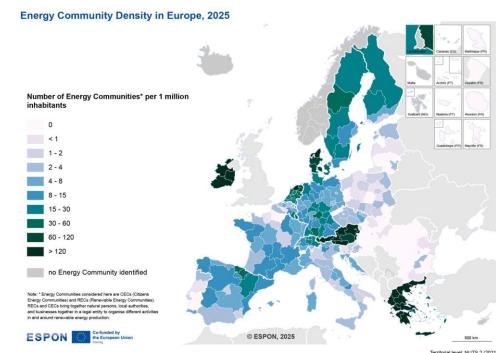
Source: European Climate Pact



ENERGY COMMUNITY MOVEMENT IS REAL



- Western and Northern Europe have mature community energy ecosystems.
- Southern and Eastern Europe are catching up but still face administrative and financial barriers.
 - □ Dark green areas (> 120 ECs per M inhabitants) → high density of Renewable or Citizen Energy Communities. →
 - Example: parts of Germany, Denmark, Austria.



International refers. IN 01 2 2 (2021)

Origin of data: TANDEM survey, Energy by People, Energy Communities Repository, national registries, 2025

Administrative boundaries: ©Euro@comphisis ©EspOol.

Source: TANDEM (Territorial Analysis of Decentralised Energy Markets) project



EUROPE HAS GIVEN ENERGY COMMUNITIES A LEGAL BACKBONE



Renewable Energy Communities (REC)

(Article 22 Renewable Energy Directive 2018/1999)

Citizen Energy Communities (CEC)

(Article 16 Electricity Market Directive 2019/944)

Art. 2 on definitions: makes clear that renewable energy

communities are a social concept, rather than financial profits.







Under EU Law, Energy Communities are legitimate market actors.





ITALY: TURNING EU POLICY INTO A BANKABLE MODEL (RSE Map)



- The RSE interactive map offers a comprehensive overview of Renewable Energy Communities (RECs) across Italy.
- Developed by Ricerca sul Sistema
 Energetico (RSE), it provides real-time
 data on active, planned, and developing
 RECs, including their geographic
 distribution, technological profiles,
 and organizational models.





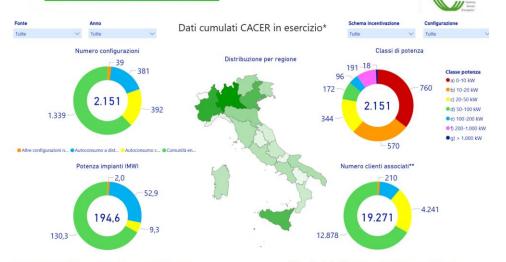
ITAI Y'S REC FRAMEWORK IS DELIVERING MEASURABLE IMPACT.

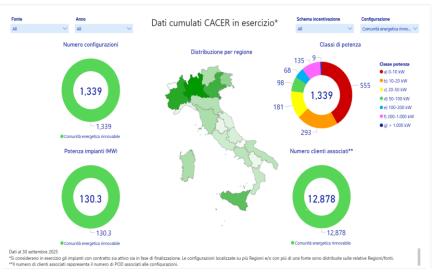


Comunità Energetiche:

superate le 2.000 configurazioni

CACER in Italia







CURRENT STATUS— ENERGY COMMUNITIES IN ITALY (SEPTEMBER 2025)



- 1,339 Renewable Energy Communities (CER) in operation or finalization.
- 12,878 associated clients citizens, SMEs, municipalities, and third-sector actors.
- Strong concentration in northern regions (Lombardia, Veneto, Emilia-Romagna, Piemonte), with southern growth supported by PNRR incentives.
- Consistent monthly growth: Approximately 50–70 new Renewable Energy Communities (RECs) are established each month, signalling a national scaling phase
- Active municipal engagement: Over 500 local administrations have launched feasibility studies or joined REC initiatives.
- First urban collective self-consumption models: Cities like Milan, Bologna, and Turin are piloting neighborhood and condominium-based REC models



KEY INSIGHTS — ENERGY COMMUNITIES IN ITALY (SEPTEMBER 2025)



- The deployment curve is accelerating Italy is moving from pilot initiatives to a scaling phase.
- Municipal engagement is growing, making CERs an effective tool for local climate and energy strategies.
- Financial innovation is emerging crowdfunding, cooperative ownership models, and public-private partnerships are unlocking new funding channels.
- CERs are influencing urban regeneration: unused public buildings and rooftops are being repurposed for clean energy production.
- Integration with electric mobility is beginning: some CERs are installing EV charging stations and exploring vehicle-to-grid solutions.



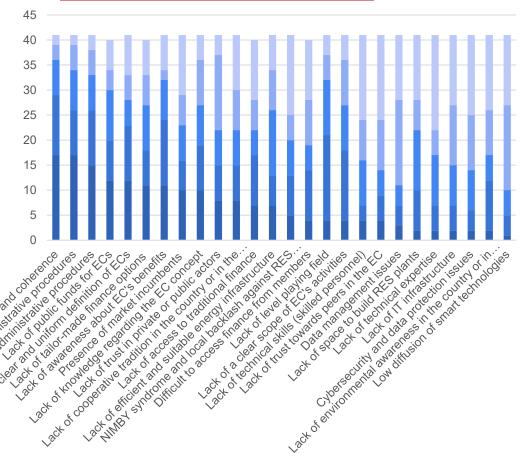




Looking at all barriers, we can make a list of the most relevant ones:

- Lack of policy stability and coherence
- Slow administrative procedures
- 3 Lack of simple and clear administrative procedures
- 4. Lack of public funds for ECs
- Absence or lack of a clear and uniform definition of ECs

Comparative analysis of barriers





SCALING ENERGY COMMUNITIES ACROSS EUROPE



1 Simplify

Cut complexity and harmonize rules.

→ One-stop shops, faster permitting, and clear, consistent definitions across Member States.

3 Empower

Put cities, citizens, and SMEs at the heart of Europe's energy transition.

→ Support local leadership, participation, and fair access to benefits.

2 Finance

Expand financial instruments that truly recognize the unique models of community energy.

→ Support energy communities across all development stages — from feasibility to replication.





THE HUMAN SIDE OF ENERGY COMMUNITIES: LESSONS FROM DIFFERDANGE

MARTINA DI GALLO

Project Manager, R2M Solution





DECAFF Solution

CHALLENGE: the City of Differdange has the ambitious goal to produce locally and sustainably 100% of its global need in electricity by 2030 with the support of its population

SOLUTION: DECAFF aims to provide a multilingual **digital platform** structured in three interconnected blocks aligned with a **citizen engagement and gamification strategy**.







Citizen engagement and gamification strategy

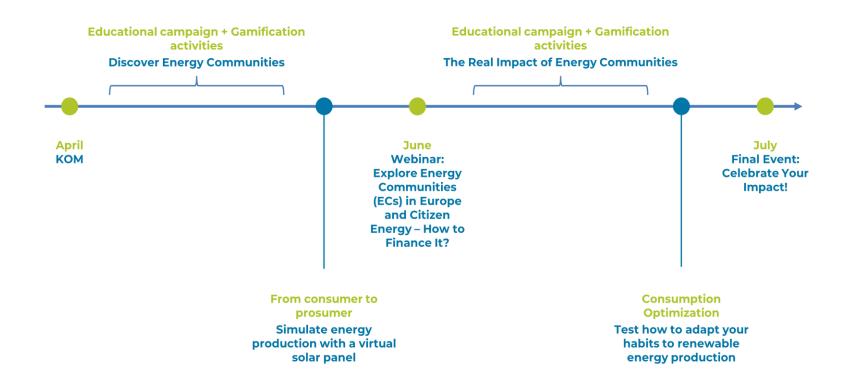
General Objective: Engage citizens in the journey toward the creation of virtual Renewable Energy Communities (RECs) and promote awareness, active participation, and energy-sustainable behaviours.

Expected Impacts:

- Increased energy awareness.
- Stronger sense of community belonging.
- Creation of an active base of citizens ready to join real RECs.











ENGAGEMENT STRATEGY

Blended approach: combination of digital activities and in-person events.

Progressive engagement: information → experimentation → participation.

Main target: citizens, but also local businesses and stakeholders.

Focus: collective value and participation in the energy transition.

KEY TOOLS & GAMIFICATION MECHANISMS

DECAFF platform and app: digital environment to register, explore energy missions, and monitor progress through a personal dashboard.

Gamified experience: thematic missions to encourage sustainable actions.

Collective challenges: promote collaboration, knowledge sharing, and a strong sense of community.

COMMUNICATION, CAMPAIGNS & EVENTS

Developed campaigns: designed to engage citizens and raise awareness about RECs.

Citizens as ambassadors: promote word-of-mouth participation and involvement of new users.

Workshops, videos & storytelling: hands-on sessions and shared experiences from other countries to inspire participation and increase awareness.















Main results:

Participation in Net-Zero City events and collaboration with the municipal teams strengthened local engagement.

Connected a local REC with the municipality and developed simulation scenarios for RECs across different districts to foster awareness and participation.

Supporting the municipality in envisioning scalable and evidence-informed community energy strategies.





Lessons Learned

Local presence and trusted intermediaries are key: Face-to-face interactions and credible local partners build citizen trust.

Early scepticism requires tailored communication: Clear, consistent messages addressing doubts are essential to foster engagement.

Participation culture requires time and nurturing: Sustainable involvement grows gradually; continuous support is necessary.

Introducing digital tools requires careful assessment: Consider user readiness, digital habits, and accessibility when deploying apps.

Gamification motivates behaviour and reinforces learning: Missions, badges, and challenges help citizens adopt sustainable energy behaviours.

Community and peer influence matter: Visibility of others' actions and collective challenges strengthen engagement and collaboration.





LIFE-BECKON

Boosting Energy Communities massive deployment by equipping local authorities with comprehensive technical assistance cooKboOk, integrated services and capacity buildiNg



Ivan Aranda

Director Energy Dept., R2M Spain







Main Objective

 To facilitate the creation, maintenance and replication of energy communities (EC) in Europe

For whom?

 Public authorities, promoters and Local Action Groups







How?

- Step-by-step guidelines ("Cookbook")
- 2. Capacity Building
- 3. One-Stop-Shop Platform
- 4. Technical Assistance and Replication





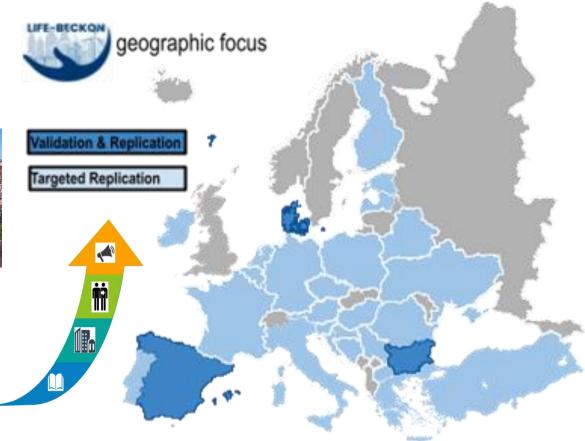
Where?







+ 25
Replicators



SOLUTION





Why?

Context

- Different energy initiatives are in different "maturity stages"
- Different needs for different stakeholders in EC world
- Too many already existing resources
- Lack of awareness

Need

Comprehensive support



- 2. Training Hub
- 3. Opportunity Hub



LIFE-BECKON

All-Inclusive Platform for Energy Communities LIFE-BECKON

Sign up







Initiation

Design

Implementation

Operation



Step-by-step Guidance

This comprehensive framework offers a step-by-step guidance for Energy community leaders and experts to successfully initiate, design, implement, and operate an Energy community.

Initiation

Design

Operation

Implementation

The initiation phase allows promoters to become acquainted with the fundamentals of Energy Communities, gain insights from existing cases, and receive support in establishing their initial development concept.

You are just a few clicks away from understanding the basics of Energy Communities!

What is an Energy Community? Explore fundamentals

To create an energy community, it is fundamental to get familiar with the concepts of such initiative.



Create your Business Plan

The advancement of an energy community largely hinges on the creation of a sound and coherent business plan. This plan must take into account the fundamental topics of an energy community and outline the principal decisions and agreements established via participatory processes.



To formulate your business plan, the LIFE BECKON Business Plan template offers step-by-step instructions, providing brief explanations of the anticipated inputs for each section, along with suggested support materials available on the platform.

Click here

Examples of Business Plans

The LIFE BECKON business plan template is not the sole resource available! You can also consult the various documents and guidelines provided in this section for additional support in crafting your business plan. Feel free to choose the material that best fits your requirements:



REAL SPAIN SOLUTION

Training hub



VIDEO SERIES

Video Series

Discover the world of Energy Communities through LIFE-BECKON thematic videos: you'll gain valuable insights, practical tips, and diverse examples to guide your journey. Complementing these videos are detailed slide decks, providing comprehensive elaboration and supplemental information for each topic. Subtitles available in Bulgarian, Danish, Finnish, French, German, Italian, and Spanish.

Start here: Trailer

Definitions and Benefits

Overcoming barriers in Energy Communities

Stakeholder engagement in Energy Communities

Governance models and Legal structures

Regulation highlights

Financing and Public Aids



Start here: Trailer

Definitions and Benefits

Overcoming barriers in Energy Communities

Stakeholder engagement in Energy Communities

Governance models and Legal structures

Regulation highlights

Financing and Public Aids

Technological considerations

Operation of Energy Communities



Welcome to second video in our training series on Energy Communities! Building on the first video of the series which unveiled the foundations and rich benefits of Energy Communities, our goal is to inspire those establishing or supporting them. Dive into real-world examples and best practices from European initiatives, showcasing successful exploration of potential barriers. Discover a wealth of knowledge and resources tailored for both experienced individuals and newcomers. Explore tips for overcoming technical, financial, operational, participation, user engagement, legal, and regulatory barriers. Let inspiration ignite your journey into the realm of Energy Communities!

Complementary written materials – Overcoming barriers in Energy Communities [PDF]



(D



Opportunity hub



Next events

There are no events at this moment.

More events

Latest financial opportunities



Byfornyelsespuljer

March 27, 2025

Læs mere om Københavns Kommunes Byfornyelsespuljer til både renovering, energieffektivisering og rådgivning:

More opportunities

Latest news



Solcellepuljen

March 27, 2025

Få 50% støtte til en professionel teknisk rådgiver, der screener om jeres ejendom er velegnet til solceller. I kan få tildelt en rådgiver eller vælge jeres egen

More news



København (DK)

Details

Members

Contact



Tiago Soarez Loureiro

Administrator



Pablo Imaz

Manager

Erik.Hagelskjaer

Citizen

Eik Buhl Petterson

Technician



Alberto Danese





Join us at: https://www.oss-energy-community.eu/



THANK YOU!

Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



Co-funded by the European Union





















The STUNNED approach: balancing needs orchestrating flexibility

Ana García Garre

Head of Innovation, Voltiva Energy (MIWenergía)

Matteo Porta

Senior Project Engineer, RINA-C









Project Overview

The main objective of **STUNNED** project is the development and demonstration of a comprehensive HW/SW solution for the optimal management of complex energy systems of aggregated industrial sites and buildings to operate in novel flexibility and standard electricity markets.



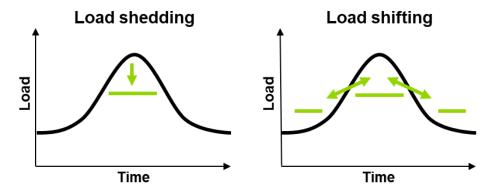






What's the problem?

'Supply follows demand' used to be the main rule of the existing electricity system, to ensure security of supply at any time.



Today is no more the case, 'Demand follows supply' can be safely stated. Global and local flexibility markets are places where this can happen.









What's the problem?

How to aggregate small capacities to participate to **local flexibility markets** gaining values from them?

Aggregators, BRP and BSP assume the responsibility and provide the opportunity to small actors (residential, commercial, tertiary) to get profit from flexibility.



Load shifting and load shedding are not for free: they require technology, digital infrastructures, precise planning and orchestration.

Credits: B.A.U.M. Consult GmbH - Platone project







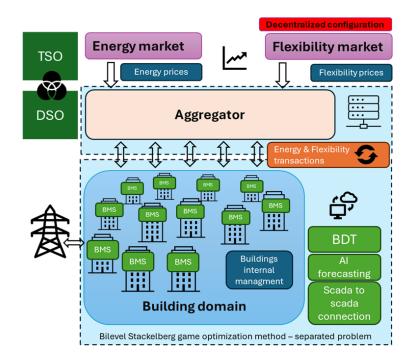


Addressing operational complexity

Optimized solution for EC actors: Aggregators, Consumers, Producers, Prosumers

Control functionalities

Communication with external markets



Bi-level Stakelberg game optimization method

Centralized, decentralized, distributed configurations

HW/SW solution

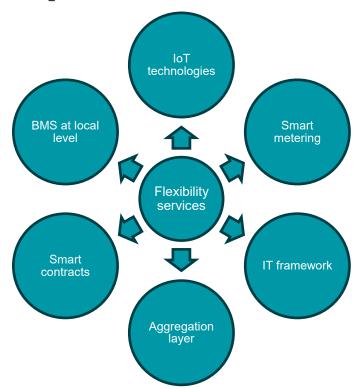








How to develop the STUNNED solution



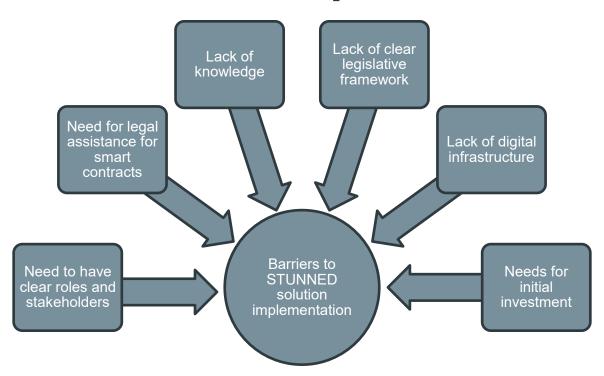




RIA



Most common barriers to implementation









MASTERPIECE: Enabling Citizen-Driven Energy Communities through Digital and Social Innovations

Fayaz Ahmed

R&D Engineer & Project Manager, R2M Solution (Italy)



WHAT IS MASTERPIECE MISSION?



Masterpiece

MASTERPIECE's mission is to create a digital coordination and cooperation platform that facilitates the creation and operation of energy communities

How?

Focusing on social innovations and participatory processes to engage stakeholders.

ICT tools to support the creation, management and replicability of energy communities.

A digital platform ecosystem to assist organizational, legislative, and operational activities.

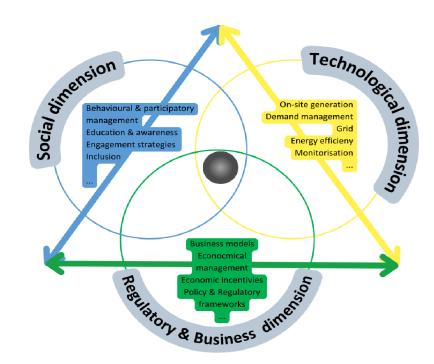


FRAMEWORKS GUIDING MASTERPIECE



Three Foundational Dimensions of Energy Communities

- Energy communities are not just technical systems — they are socio-technical ecosystems.
- In MASTERPIECE, we built upon the understanding of the three key dimensions. This systemic perspective, combined with our focus on social innovation and participatory engagement, have guided the design and implementation of the project activities.

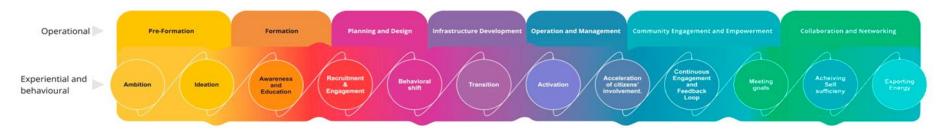




FRAMEWORKS GUIDING MASTERPIECE



The Energy Community Journey



- Operational dimension describes the phases or stages of energy community development from the early idea to full operation and expansion.
- Experiential & Behavioural layer shows the human and social processes that accompany each operational phase — essentially, how citizens' attitudes and behaviours evolve alongside the technical and organisational development.

EC journey =Operational + Experiential
& Behavioural pathways



OUR PILLARS: TURNING FRAMEWORKS INTO ACTION



Guiding Frameworks





Digital Modular Platform















8 pilots across 5 EU countries









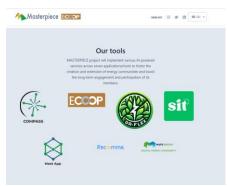


Together, these three pillars transform conceptual frameworks into tangible actions — empowering citizens, enabling sustainable energy communities around Europe.



THE DIGITAL MODULAR PLATFORM





Centralized authentication









GROUP 1

Simulation & EC Management

GROUP 2

Discovery,
Awareness, Enrolment
Engagement, and
Profiling

Interoperability through NGSI-LD data models



Secure Digital Platform

MASTERPIECE LANDING PAGE

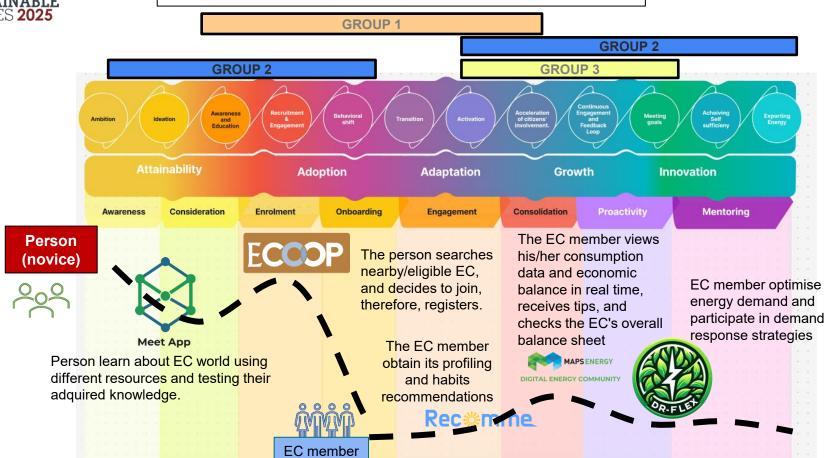


GROUP 3

Flexibility, DR and demand optimisation framework



THE CITIZEN JOURNEY

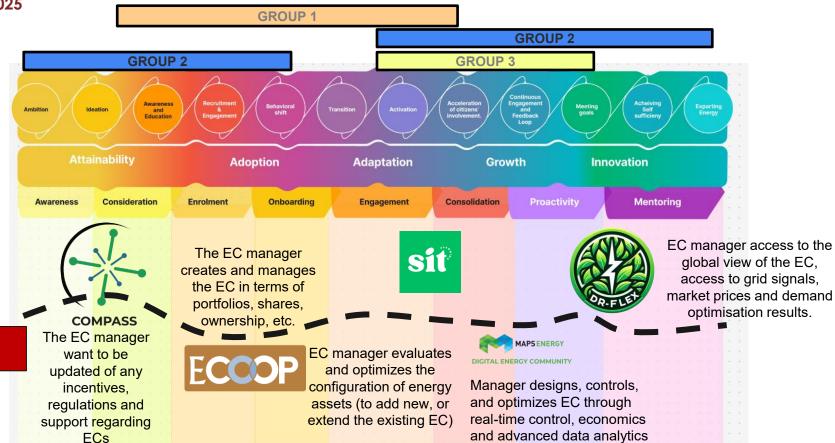




EC

manager

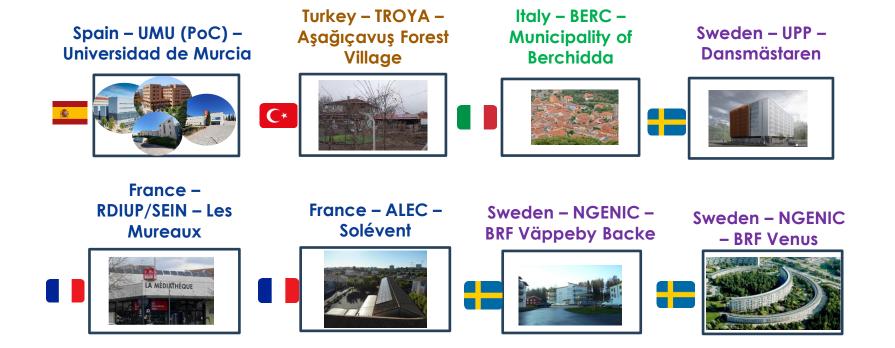
THE EC MANAGER JOURNEY

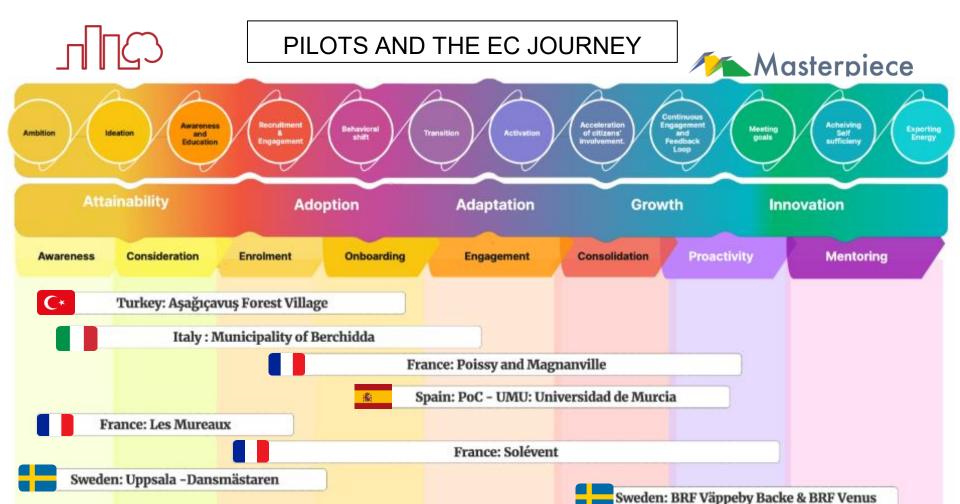




PILOTS









TRAINING MATERIALS AND CAPACITY BUILDING FOR ENERGY COMMUNITY ACTORS





Website



THANK YOU!





This Project has received funding from the HORIZON EUROPE research and innovation program under grant agreement No 101096836.







FEDECOM: FEDErating energy COMmunities

Horizon Europe (2023–2027)

Zia Lennard

Senior Project manager, R2M Solution (France)



WHY FEDECOM MATTERS



Current energy community trading platforms mainly focus on exchanges within a single community. **Federation across multiple communities**, especially across vectors / borders, is uncommon and difficult to implement.

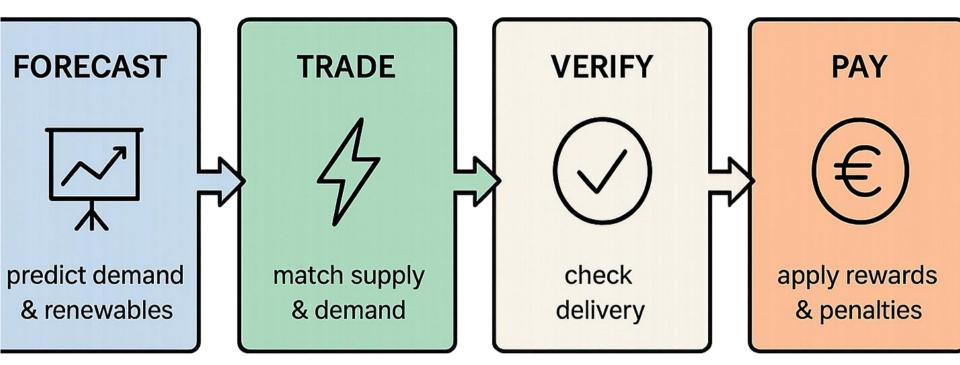
- Local trading often stops at self-consumption.
- Platforms are siloed and not easily interoperable.
- Regulatory differences block scaling across borders.
- Without federation, replication beyond pilots is limited.





THE FEDECOM TECHNOLOGY (mostly open source: GPL v.3):







TWO TRADING SCHEMES:









Peer-to-peer (P2P)

neighbours or community members share electricity

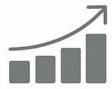


Peer-to-pool

a whole community trades as one block with the grid or other actors



blockchain ensures trades are secure, private, and auditable



Scalability

works within one community or across multiple communities



6 USE CASES IN 3 PILOTS



(different technical and regulatory conditions)

Pilot 1: Spanish Virtual Green **Hydrogen Federation**



Barcelona

Pilot 2: Swiss Residential Hydropower Federation



Pilot 3: BE-NL Cross-country **E-Mobility Federation**

Brico





Voorhout

Besix



PV & Batteries





Pilot 1

(Use Cases 1-4)







Barcelona











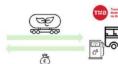
UC1: Spain – Ur Beroa **Residential Community**



















UC4: Spain – TMB Hydrogen Station

Green H2 & Heat Systems



Pilot 2

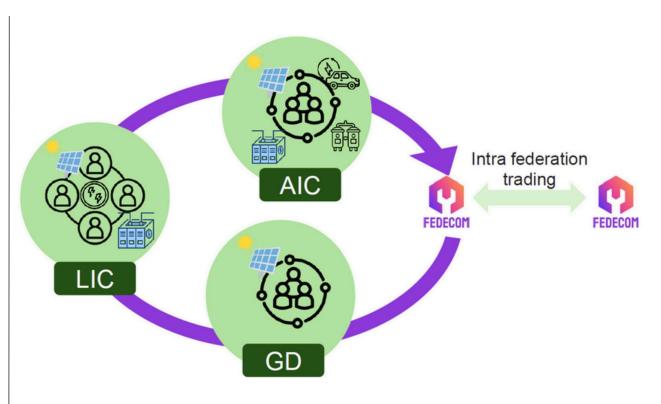
(Use Case 5)







PV & Batteries





Pilot 3

(Use Case 6)



Pilot 3: BE-NL Cross-country E-Mobility Federation

Brico

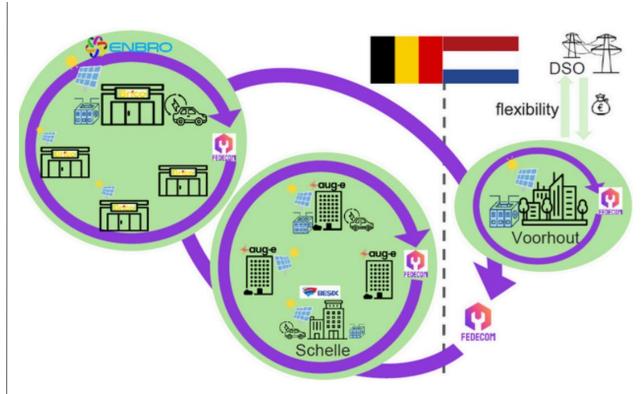




Voorhout

Besix





PV & EV Mobility



REPLICATION PLAYBOOK (helping early adopters reach TRL 8)



3 pathways:

Minimal — forecasting & optimisation Intermediate — federation & interoperability Full — trading & market participation

4 profiles:

Site owners, technical integrators, aggregators, public sector.

Guidance provided:

Technical, business, regulatory, and organisational steps (+ Portugal, Austria, France, Scotland).

Online self-assessment tool (+ full Playbook):

Quick check of readiness and best pathway.





Thank you

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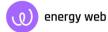




















Grant Agreement number 101075660





COFFEE BREAK







The role of municipalities in Energy Communities: some issues in search of resolution

Federico Chiopris

Energy Lawyer, WST Tax & Law Firm



Art. 2(16) RED II

'renewable energy community' means a legal entity:

- (a) which, in accordance with the applicable national law, is based on open and voluntary participation, is autonomous, and is effectively controlled by shareholders or members that are located in the proximity of the renewable energy projects that are owned and developed by that legal entity;
- (b) the shareholders or members of which are natural persons, SMEs or <u>local</u> <u>authorities, including municipalities</u>;
- (c) the primary purpose of which is to provide environmental, economic or social community benefits for its shareholders or members or for the local areas where it operates, rather than financial profits;



Which role for municipalities in building RECs?

Promoting

- Public awareness
- List of accredited CERs

Mild

 granting third parties the use of owned land for the construction of facilities for the production of electricity from renewable sources (Art. 12(2) Legislative Decree 28/2011)

Active

 Founding and/or participating a REC (as producer/prosumer/consume r)



The active role of Municipalities in building RECs: main issues



Preventive control by the Court of Auditors



Limits and conditions on participation



Lack of technical, legal, and economic expertise



Article 5 of Legislative Decree 175/2016.

Control of the Court of Auditors in the event of:

- establishment of companies
- acquisition of direct or indirect shareholdings

What does the Court of Auditors controls?

- "necessity" of the company/participation in the company for the pursuit of institutional purposes
- economic convenience
- financial sustainability
- compatibility with the principles of efficiency, effectiveness, and economy of administrative action;
- absence of conflict with the provisions of the European Treaties and, in particular, with European regulations on state aid to businesses

See e.g. CdC Emilia-Romagna, del. 85/2024/PASP



The Court shall express an opinion within 60 days: if it does not, the Municipality may establish the company/acquire the shareholding.

If the Court issues a negative/partially negative opinion, the Municipality may still establish or acquire the shareholding as decided (i.e., it may establish/participate in the REC), provided that it gives **specific reasons** for deviating from the opinion, that must be published the official website.



A favorable opinion from the Court of Auditors excludes gross negligence («colpa grave») in the event that a subsequent financial liability emerges (if the CER was established in accordance with the opinion).



The Court shall express an opinion within 60 days: if it does not, the Municipality may establish the company/acquire the shareholding.

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A favorable opinion from the Court of Auditors excludes gross negligence («colpa grave») in the event that a subsequent financial liability emerges (if the CER was established in accordance with the opinion).



Direct and indirect costs for the municipality (e.g., business plan or similar) with a breakdown of the specific costs:

- Installing of the plant(s)
- routine and extraordinary maintenance
- •any financial charges (e.g., in the case of third-party financing)

Revenues:

- •savings from the share of energy produced by the plants within REC and consumed by the municipality
- •income deriving from the GSE incentive share and indication of incentive applications (CACER/Conto Termico) and breakdown;
- •overall economic and financial forecasts for the municipality (e.g., forecasts of changes in the price of electricity sold);
- •any establishment of funds for social purposes



A (minimum) technical report:

- specificity of the territory of the REC
- current electricity consumption and existing energy production sites within the Municipality
- estimate of consumption reduction (e.g. also through the implementation of any energy efficiency measures);
- economic analysis following the creation of the community

Statute/Regulations



Limits and conditions on participation: two principles

Freedom of form(s)

 The Court's control does not concern the legal form itself that the REC wishes to adopt, but rather the reasoning behind the choice in relation to the pursuit of the municipality's institutional purpose.

Case-by-case assessment

 The Court assessment is always carried out on a case-by-case basis, in relation to the reasoning provided by the entity regarding the most suitable corporate structure for pursuing its institutional purpose.



 [(Non Profit) Association (unrecognized or recognized)	
	Third sector entity (ETS)	
(Cooperative	
	Benefit cooperative	
	Consortium	
	(Public-Private)Partnership	



Court of Auditors (Campania), Resolution 32/2025/PASP

If the REC is is not a company under Italian Law (no incorporation: e.g., unrecognized non-profit association) -> no preventiv control by the Court, but subsequent review is possible.



Court of Auditors (Lombardia), Resolution 274/2025/PASP

A municipality decided to purchase shares in a cooperative company – ETS social enterprise.

The Court stated:

- It is not necessary for the municipality to be part of a REC: it can simply promote the creation of RECs within the municipal area. Founding or being member of a specific REC must therefore be particularly justified;
- many RECs (over 50%) were founded in that area by municipalities in a non-corporate form: therefore, it is not 'immediately necessary' for the municipality to set up a company or participate in a company:
- it is therefore necessary to verify the appropriateness of the choice in each individual case.



Court of Auditors (Lombardia), Resolution 274/2025/PASP

A municipality decided to purchase shares in a cooperative company – ETS social enterprise.

In this case, the opinion of the Court was substantially positive. The municipality, indeed:

- had proposed an adequate business plan highlighting the economic and financial forecasts related to the development of the project to promote the shared self-consumption of energy from RES, the investment plan, management costs, and potentially generatable and distributable revenues;
- demonstrated that it would not have the necessary skills, including in terms of human resources;
- with regard to economic convenience, it carried out a comparative assessment of alternative methods of joint management of the activity (association, consortium, third sector entity).





Enabling PEDs through energy communities: truth or fiction?

Reflections from pilot experiences and attempts to reconcile theory with practice

Adriano Bisello - PhD Urban Planner

Senior Researcher – Team Coordinator @ Eurac Research Vice President @ ASSURB



Urban Planning for Climate Neutrality

Provocative Question

We have PV panels and heat pumps... why do we need urban planning?





Optimizing energy balance is not enough to make a PED!

I'm already bored with my neighbor, no wonder I don't want to discuss it in a Renewable Energy Community.











Let's exaggerate the different perspectives...

 For engineers and architects PED projects aim to provide new (or retrofitted) top-performance fancy buildings and innovative energy infrastructure



 For local politicians PED projects are a way to increase visibility at international level and gain some funds



 For real estate developers PED projects are business, they expect a certain Return On Investment from rents/sales



For house-holders/tenants PED projects are... ???
 They only care about a lesser energy bill



A PED is



...a piece of a larger settlement

... an opportunity for change!







- For urban planners PED projects are urban interventions, aiming increasing the quality of life, valorization of community resources, at social inclusion, reduction of the environmental pressure, promoting local economic development, etc.
- Urban planning orchestrates physical, social, and regulatory dimensions that enable or block such technologies. Without the right framework, even the best energy models can fail to materialize.
- Integration of innovation in local procedures and administrative / legal frameworks is a key step.

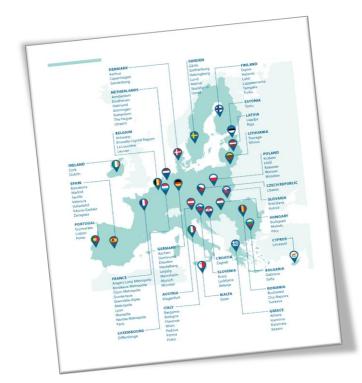


Integrated Strategies and Planning to scale up from PED to PE-Cities

Provocative Questions

Do city plans talk to each other?

What makes a PED replicable instead of a one-off?



Buildings, Mobility, Water, Green spaces,

Energy, Investments, Mainstreaming



Co—benefits are the key to success

Economic	
☐ Job creation ☐ Business/technological innovation ☐ Natural resource depletion	
Revenue generation Labour productivity Congestion	
Costs Labour conditions Disruption of energy, transport, water and	:UROPEAN UNION
communications networks	
□ Energy security □ Economic production □ Economic impact of disasters	
Social Water security Food security Transport poverty Mobility and access access Road safety Energy poverty Transport poverty Education and public awareness Number of households and businesses forced from homes/places of work	EU MISSIONS
Public Health	
Physical health Preparedness for health service delivery Premature deaths	CLIMATE-NEUTRAL & SMART CITIES
Mental wellbeing/quality of life Health impacts from extreme heat or cold Health costs	CLIMATE NEUTRAL & SMART CITIES
weather Disaster/disease/contamination-related health impacts	Concrete solutions for our greatest challenges
Environmental Resilience to climate change/adaptation Noise pollution Green space coverage and quality Light pollution Biodiversity and ecosystem services	#EUmissions #HorizonEU #N

Buildings, Mobility, Water, Green spaces,

issions #HorizonEU #MissionCities



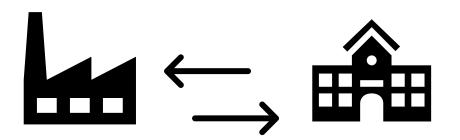
Is there any plan behind your PED or REC?

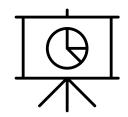
Provocative Question

Does the urban plan empower or limit your design?









This is at best a Positive Energy System

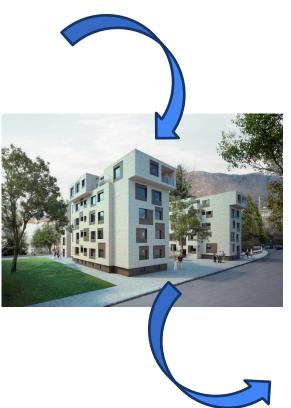
But it is not a Positive Energy District!







Old fashion district



Brand new smart district





Designing for energy visibility and liveability



Provocative Question

How can we make (renewable) energy a visible part of daily urban life?







Castelfranco Veneto unveils its Visionary Solution 6: Totem!

October 2024

On September 28, 2024, our Pilot City Castelfranco Veneto unveiled its Visionary Solution 6: a multifonctional digital totem!



The totem offers interactive content for both children and adults, aiming to raise awareness about the positive effects of green and blue spaces in the area of Castelfranco Veneto and its neighborhood. The Totem provides information on cultural initiatives and local events, strengthening the community's sense of belonging to the project, as well as details on the environmental qualities of Villa Bolasco's garden and its beneficial effects. The totem encourages outdoor physical activity and active mobility for pedestrians and cyclists, offering free services like electric bike and smartphone charging, as well as tire inflation.



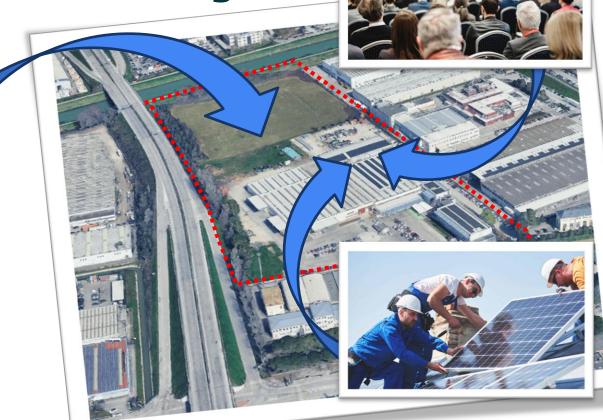




A PED is not just buildings









Governance Before Technology

Provocative Question

Who manages energy (sharing) if it's no one's business?

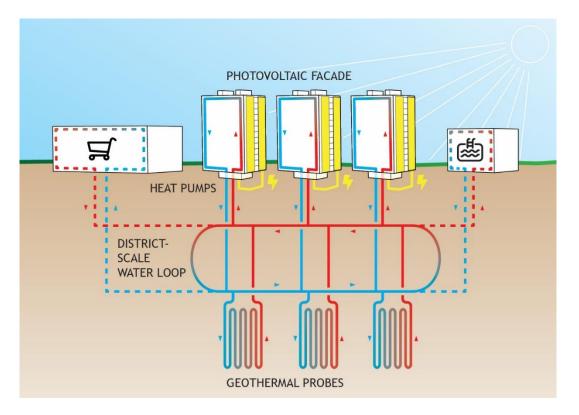


Responsibility, Energy exchange, Ownership, Management





Provocative QuestionWho is ready to manage this?





Shifting the Mindset

Provocative Question

What's harder: changing (planning) laws or changing minds?





Are you having trouble with your PED / REC?

Call your friendly neighborhood urban planner! *







eurac research

Let's keep in touch!



And see you at the next event...



9-12 December 2025, Bozen/Bolzano, Eurac Research, NOI Techpark







HOW OFFSITE RENOVATION AT NEIGHBORHOOD SCALE COULD BENEFIT ENERGY COMMUNITIES?

Experiences and lessons learnt from Energiesprong projects

Chiara Stanghini

Head of European projects, EDERA srl Impresa Sociale



Energiesprong: retrofit for all

energie sprong

An international open innovation program to provide **zero-energy retrofit** on the big scale with fast and replicable interventions thanks to **digitalization** and **industrialization**.

Over **20.000 renovations** in Europe with the following benefits:

- Cost reduction up to 40%
- Intervention time reduction 50%
- NZEB performance guaranteed
- · Anti-seismic improvement
- Low tenants' disruptions



Energiesprong won the

World Habitat Award in 2024



energie sprong in a minute



ZERO ENERGY

Full insulated envelope and renewable energy generation for storage, heating, cooling and domestic hot water



OFFSITE PRODUCTION

Industrialization of the process for higher quality, reduced intervention costs and minimal disruption onsite attracting new and qualified jobs



GUARANTEED PERFORMANCE

Zero-energy annual budget and guaranteed comfort with affordable utility bills



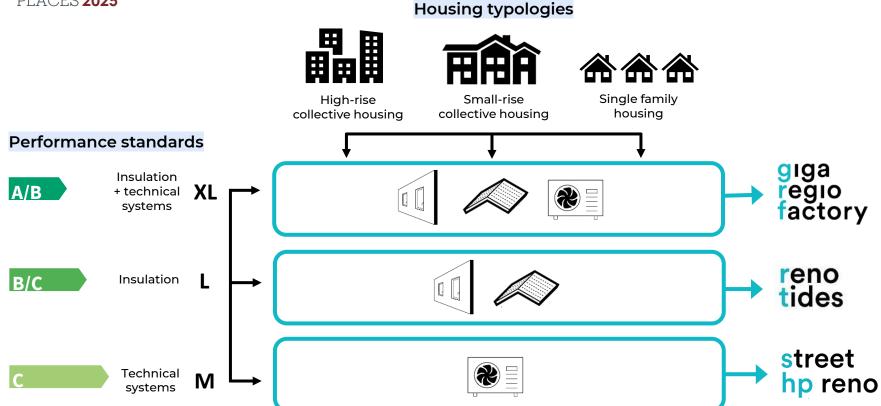
NEW ECONOMIC MODELS

Cost of the intervention financed by energy and maintenance savings guaranteed in the long term





Multiple projects and solutions for different housing types





Why offsite renovation for PED and REC?

energie sprong

OFFSITE RENOVATION

industrial, fast, and datadriven solutions



practical bridge and enabler for

Electrified and decarb stock



Predictable energy demand

Performances guaranteed



Long-term reliable needs

High scalability



District approach

RENEWABLE ENERGY COMMUNITIES

local flexibility and self-consumption optimization

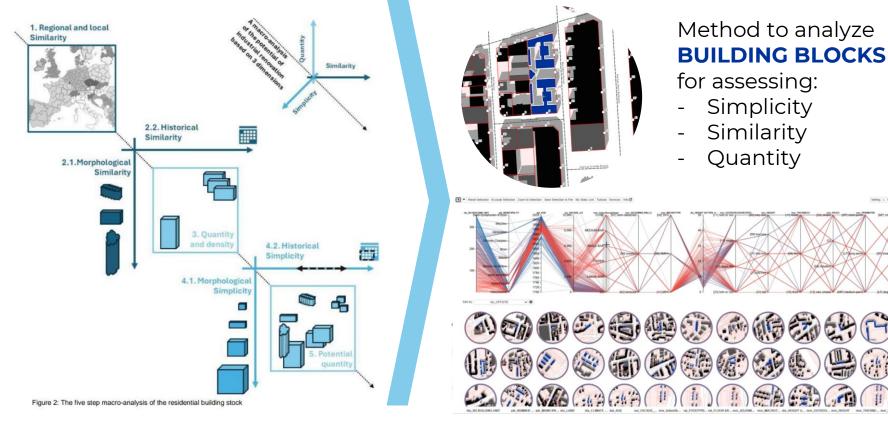
Tenant engagement





Clustering according to offsite potential

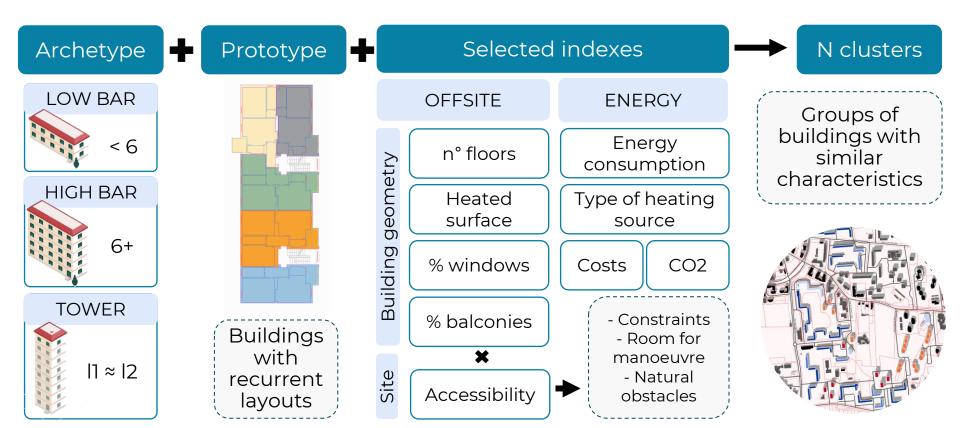






The clustering process applied in Italy







The clustering process applied in Italy





Prototype

Selected indexes

N clusters





HIGH BAR



TOWER



Buildings with recurrent layouts

OTHER POSSIBLE INDEXES:

PV panels installation potential

Vacant dwellings rate

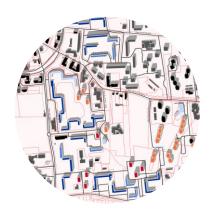
Anti-seismic performance

Inhabitants vulnerability

Structural conditions

Building final use

Groups of buildings with similar characteristics





The results on Milanese social housing stock





693 fully owned and managed

381 with consumption data

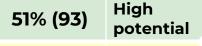
384 with defined prototype

365 analyzable

183 analyzed

61% low bar **25%** high bar **14%** tower

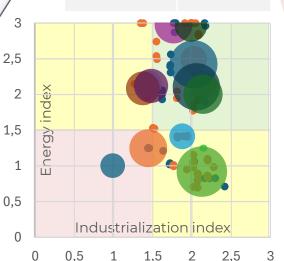
35% self-heat **65**% central



38% (69) Medium potential

5% (10) Low potential

6% (11) Outliers









Adaptable approach for staged renovation



Before: 1 building & 1 owner

Now: X buildings & Y building owner(s)



Step 1...



1 collective buy-in-scheme for **façades insulation** for 1 building typology



...Step 2 5 years after...



1 collective buy-in-scheme for **roof insulation** for 1 building typology



...Step 3 10 years after



1 collective buy-in-scheme for **energy systems** for 1 building typology

Clustering enable market activation into homogenous retrofit tides that can activate economies of scale and lower prices



Why clustering benefits public and private owners?

"ready-to-connect" buildings...

Prioritize stock

Allocate limited financial resources

Structure public procurement bids



Aggregate demand for group purchasing

Get discounted prices

De-risk investments

..for local energy networks.







Thank you!

Chiara Stanghini

chiara.stanghini@edera.city



If you want to know more:







Sustainability and Resilience

BERNHARD SCHARF

CEO, greenpass GmbH







What is Sustainability?

Original definition of sustainability





G

Definition Sustainability

Sustainability means meeting the needs of the present in a way that does not limit the opportunities and livelihoods of future generations.

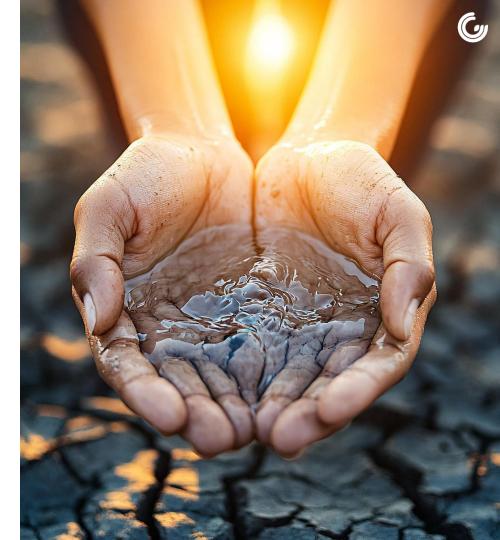
It involves the responsible use of resources in the environmental (ecological), economic (economic), and social (social) dimensions, which should be considered equally.





Principles of sustainability

- Use of renewable materials
- Durability
- Repairability
- No environmental pollution
- No climate-damaging emissions
- Reusability of materials







How are we doing so far?

How sustainable is our economy and society







Earth Overshoot Day: → 24. Juli 2025

Austria 7. April 2024

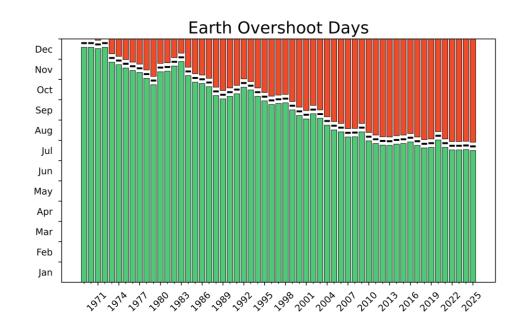
Germany 2. Mai 2024

Schweiz 7. Mai 2024

EU 10. Mai 2019

USA 14. März 2021

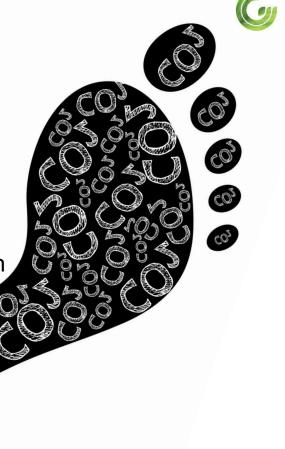
Luxenburg 16. Februar 2020





What is the problem?

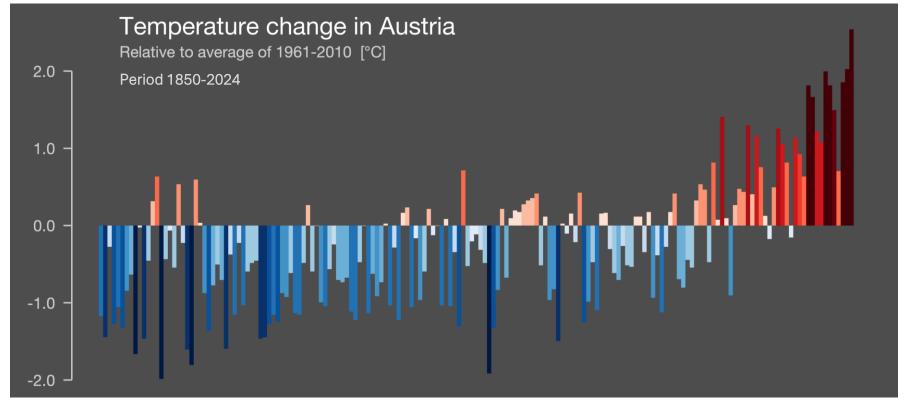
How we destroy our future climate, wealth and health





Temperature Change in Austria

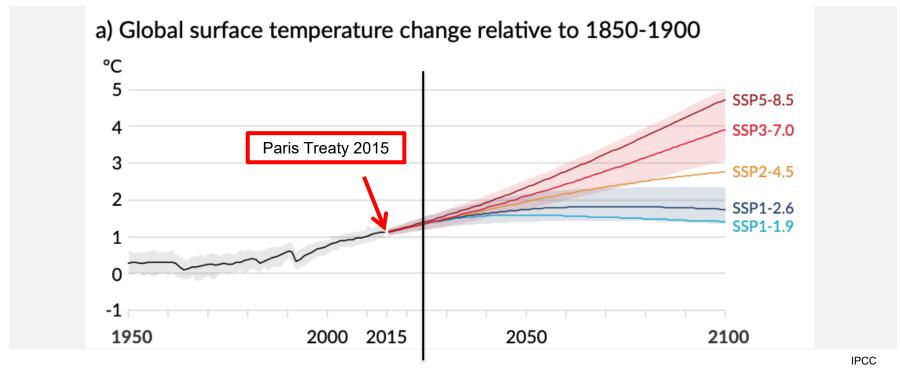






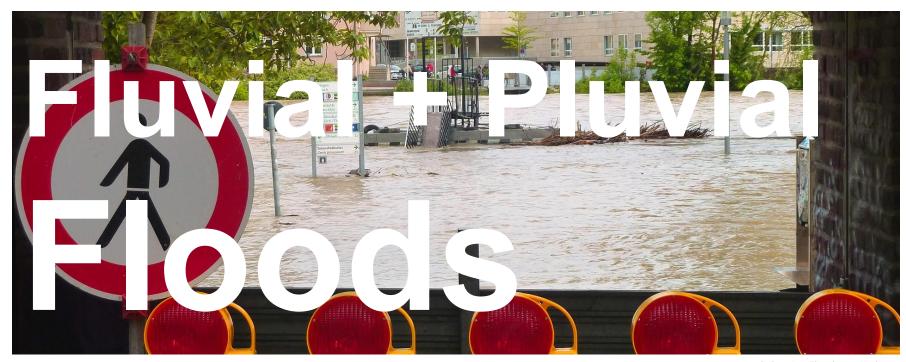
Climate Change Scenarios

























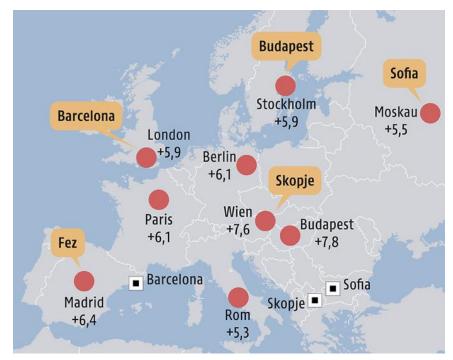
Climate Change Consequencies



Heat extremes without climate mitigation until 2050

Increase of maximum air termperature

- London +5,9°C
- Wien + 7,6°C
- Stockholm + 5,9°C





Wet Bulb Conditions | 35 °C | 100% rel. humidity





Who is affected by Climate Change?



YES

- Our Health
- Our Wealth
- Our Security

NO

- Climate
- Nature
- Biodiversität







What should we do?

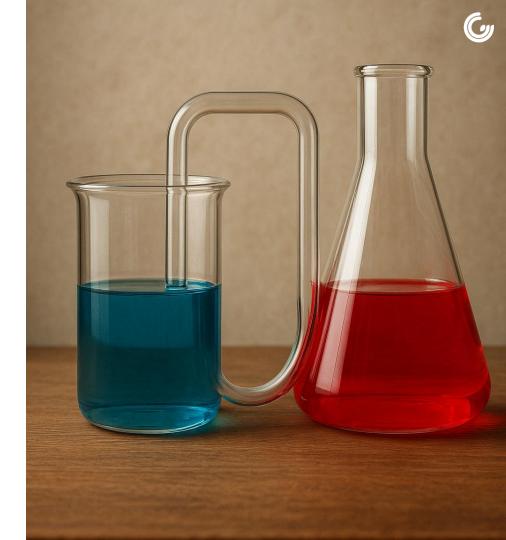
How the transformation can be facilitated





Sustainability AND Resilience

are communicating vessels









greenpass check

Manage your assets and build your transformation strategy





All-in-One greenpass Check

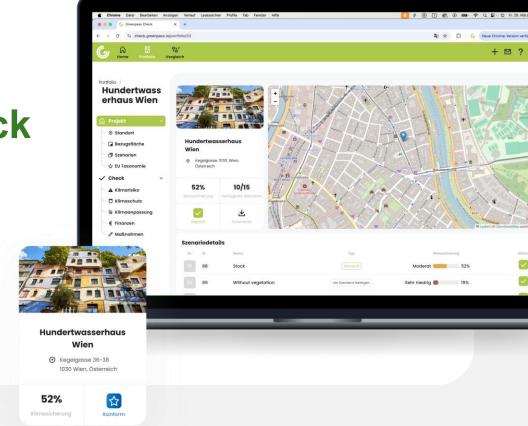
- Climate Risks
- Climate Mitigation
- Climate Resilience

















Know the risks, emissions and resilience of your assets.

Try it yourself at check.greenpass.io



Risks

Identify the natural hazards for the location, as well as the vulnerability and exposure for your properties



Mitigation

Contribute
actively to
climate
protection with
decarbonization,
reduce your
footprint and
save money
directly



Adaptation

Evaluate and optimize the climate resilience and adaptability of your properties and open spaces





Know your climate risks and adapt your assets accordingly





Climate risk and vulnerability analysis

28 Climate Risk

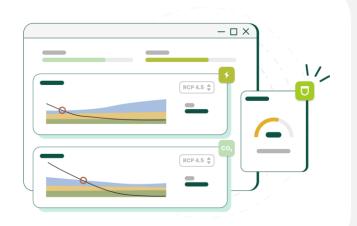


According to EU taxonomy for today and future climate scenarios





Plan your decarbonization and optimize climate mitigation of your assets



Reduction

Reduction of CO_{2 e}missions

Find the best solution to reduce carbon emissions

Optimize energy cost



Know your energy cost until 2025 and compare different energy sources and prices





Strengthen the climate resilience of your assets with Al support



Al climate resilience assessment



Know the status of your assets climate resilience and optimize it with ease.

KPIs in 4 thematic fields

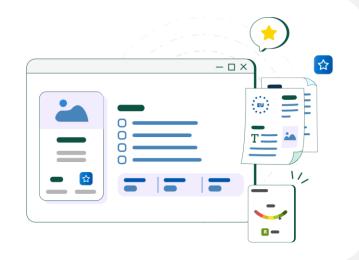


Numerical climate resilience indicators lead your way and allow planning





Asses your conformity with the EU-Taxonomy in a guided process





All 6 environmental goals covered

Check the conformity for all 6 environmental goals



Confirmation of conformity

Receive a digital conformation of the conformity with the EU taxonomy of your asset





GreenpassSimulation Solutions

detailled climate resilient design





Stratford Cross

Urban Transformation London, Landlease





Infill Retrofit

Planning Team

Gustafson + Bowman

Makower Architects

Client

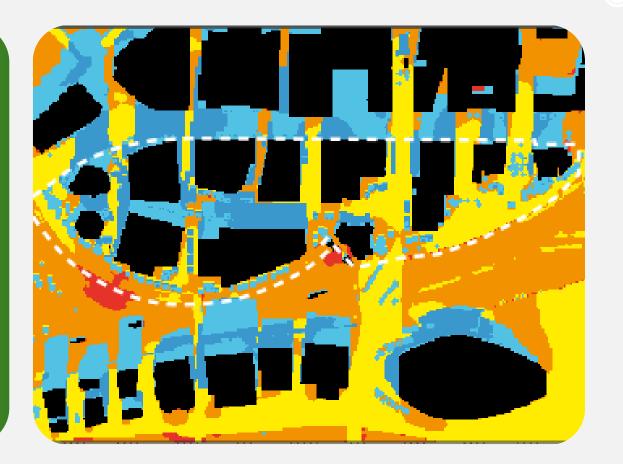
Landlease





Simulation

- today
- **2080**, rcp 8.5
- Tree Shade



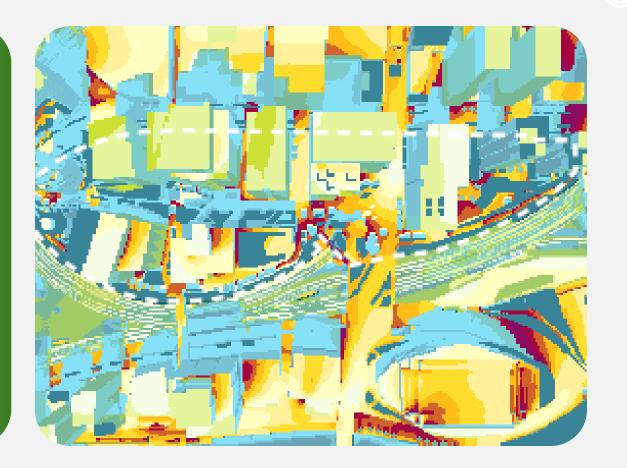


Climate

Simulation

Service

- today
- **2080**, rcp 8.5
- Tree Shade







Parkstadt Süd

Urban Development & Transformation Köln, Stadt Köln







Infill Retrofit

Planning Team

RMLP Stephan Lenzen

Client

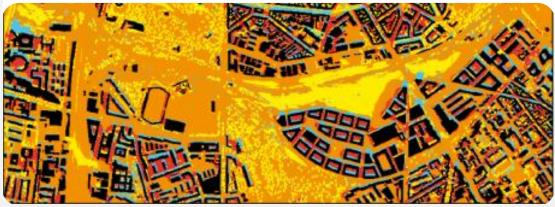
City of Cologne



ClimateS ervice

- today
- 3 Scenarios
- Status Quo
- Plan
- Optimization

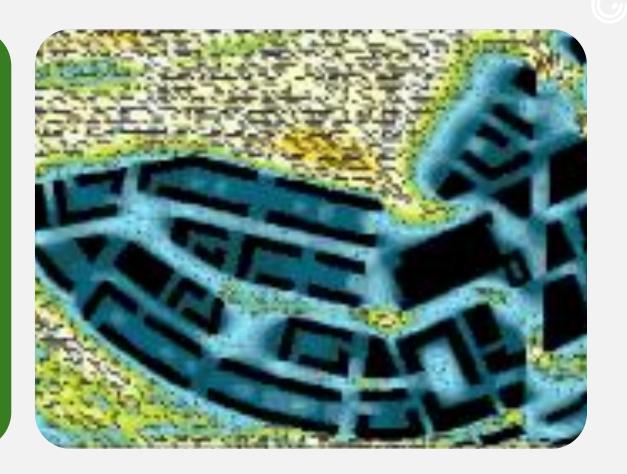






ClimateS ervice

- today
- 3 Scenarios
- Status Quo
- Plan
- Optimization







Linz Nord

Urban Development Linz, Stadt Linz







Urban Development

Planning Team

Albert Wimmer

Client

City of Linz

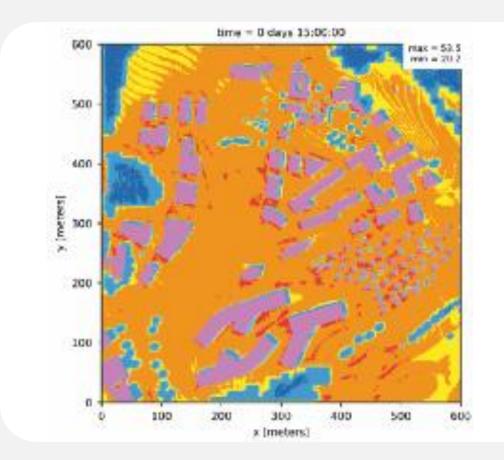




- Climate
- Cold air stream

3 Scenarios

- Status Quo
- Plan
- Optimization





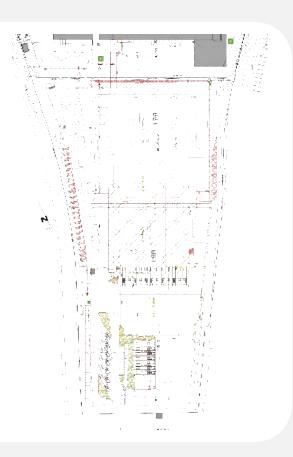


Industry









Kühllager

NÖM

Planers

CADOFFICE

Client

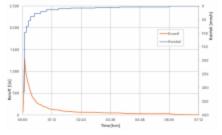
NÖM AG



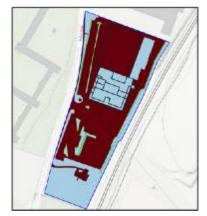


- Climate
- Water
- EU Taxonomy

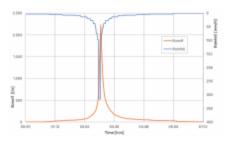
100-jährlich



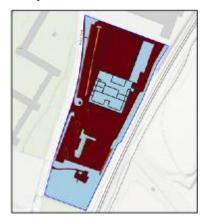
100-jährlich



100-jährlich



100-jährlich







climate resilience certification







Woliba

Life & Business Park

Team

Progetto CRM, R2M solutions

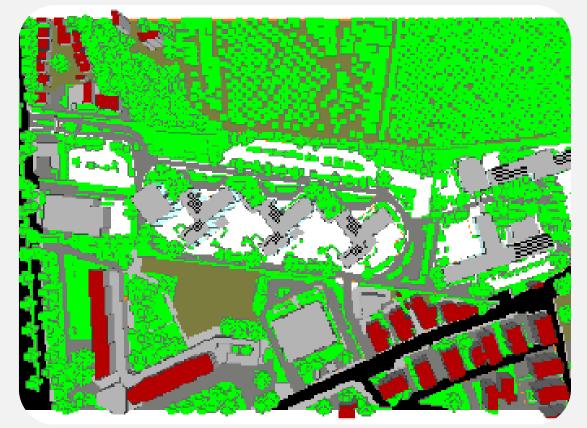
Client

Fondo Laurus





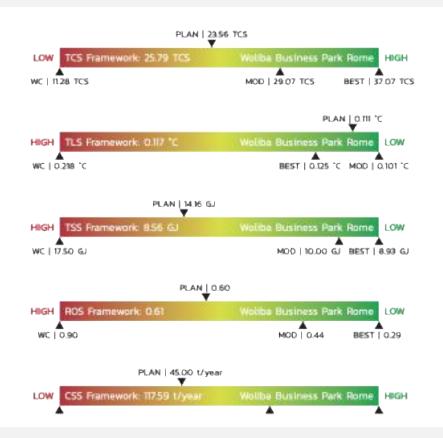
- Climate resilience certification
- 3 reference scenarios







- Climate resilience certification
- 6 thematic fields
- 5 KPIs







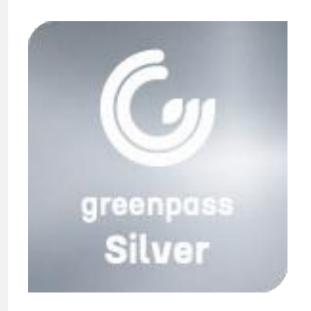
- Climate resilience certification
- 28 Indicators

	Engloater	Evifiliment Rate		Weighting Points			Berus Indicator Ban	us Points
	Clinate	52 %			52/100	0	Ecology	9/12
Y	Thermal Constant (TCS)	48%	3,/10	2	6/2:0	>	Biodiversity	1/1
Τ	> Themal Load (TLK)	154%	10/10	2	20/20	>	Vegetarism Stavetures	1/1
	Physiological Equivalent T. (PET)	48%	3/10	1	3/10	>	Hebliot Structure	1/1
	Prediction (EAC)	35%	3/16	1	3,710	>	Species-risk Herbaceaus Layer	1/1
) MEHR (ALIE)	48%	3/16	1	3,/10	>	Protection Flant Species	1/1
	Europatronaphrelien (EVA)	36%	6/10	1	6,710	>	Protection Animal Species	0,1
) Sheding Fector (1/6)	30%	3/16	_ 1	3,/10	>	Bee Protore	1/1
	Night Time Cooling (NTC)	80%	810	1	8/10	>	Bird Pasture	1/1
V	Weter	53%			32/60	>	Heeting Sites	1/1
	Rura-Off Stare (ROS)	48%	3,/18	2	6/2:8	>	Breeding Sites	1/1
	Seeling Degree (80)	35%	3,/10	1	3,718	>	Dnesct/Animal-Hiendly Light Sources	1,0
	Metar Storage (MS)	46%	3/10	1	3/10	>	Animal Trop Anaidance	0,0
	Webs Semand (CE (WS))	57%	6/10	1	6/10		Encourtes	5/7
	Water Demand 60/103 (WDF)	89%	8/10	1	8,70	>	Broyding	1/1
_	No.	397			6/20	>	Droguetter Treatment	0,1
V	CO2 Storoge-(085)	38 %	3/10	2	6/210	>	Reinwoter Treatment	1/1
	Endiversity	60 %			16/30	>	Smort Lighting Systems	1/1
Ų	Leaf Area (LA)	47%	3/18		3,718	>	Smort Imigation Systems	1/1
-) Oner-Aner (04)		6/10		6,710	- >	Surrainable Building Moterial	0,0
-	Sharesan Strakes (SE)	560	6/18	- -	6,718	->	Sustainable Energy Production	1/1
-			6,/10			1	Social.	3/3
J	lengt .	63%	100		14/30	->	Private Open Space	1/1
	Thermal Storage (756)	33%	3/10		6/20	>	Curemon Area	1/1
	Cooling Segree Houre (COHO	135%	10/10		10/10	>	Berriar-Free Dean Spones	1/1





- Climate resilience certification
- 28 Indicators







roiiits	1907020
Bonus Points	21/26
Total Points	214/320
Certification Grade	67%

193/320





Thank you for the attention!

Adress

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+43 699 19744304

Mail

contact@greenpass.io





ACCESS4YOU:

CERTIFYING ACCESSIBILITY FOR SUSTAINABLE BUILT ENVIRONMENTS

Denis Uracs



Questions for the audience



Who has ever traveled with a suitcase?



KEEP YOUR HANDS UP AND LOOK AROUND



Who has parents or grandparents that are still alive?



Who has a person in their lives living with a disability?



Who is a parent, and experienced going around with a stroller?



access4you.io and last question...

Have you ever been grateful, that you can enter and use any environment you want?



KEEP YOUR HANDS UP AND LOOK AROUND





There is a reason why

Accessibility is taken for granted





Local regulations primarily consider wheelchair users, but tend to forget the rest



This is why When we think about "Accessibility"

- we primarily think about
- =wheelchair users

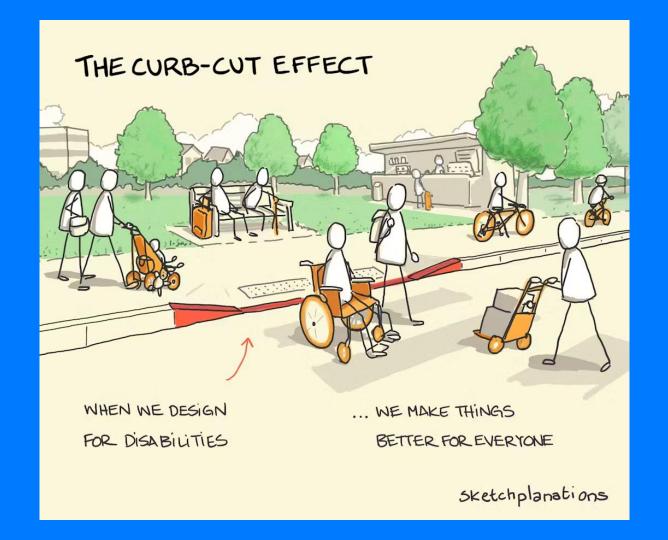
But we never think about ourselves, our friends and family





And how accessibility truly impacts our lives, and how it WILL impact our lives

What people don't realise about accessibility



Who needs accessible environments?







































30-40% of society who has some form of accessibility need

Why is accessibility important for you?

By not being accessible for people with disabilities businesses missing out on yearly \$13 trillion in disability spending power

80%

of disabilities are invisible, and develop between the aged of 18 and 65

75%

of disabled people and their families have walked away from a UK business because of poor accessibility or customer service.

Source

£2 billion

businesses lose approximately £2 billion a month by ignoring the needs of disabled people.

60%

of disabled customers could not find the information they wanted to about a product online.

<u>Source</u>

Current trends

Italy has an aging society 25% of its population is 65+, measured in 2024 - World Bank Group

100%

Becoming older is a 100% guarantee

Regulations primarily focus on people who are wheelchair users, not including people with visual, hearing and cognitive impairments

Building owners think their environments are already accessible due to existing regulations

But the end-results are typically not verified...

Photo I've taken in Belgium, 2025

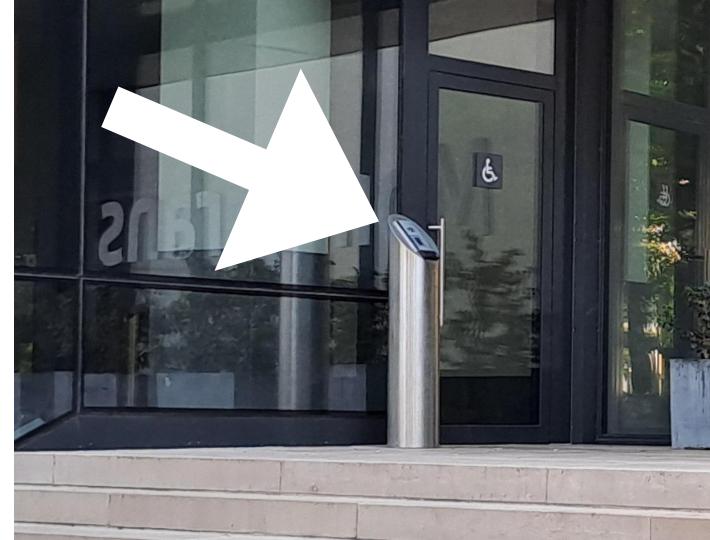




Let's look closer...

Let's look closer.

_



And another example



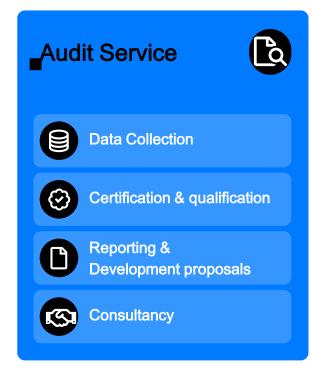
And an other



So,
How does Access4you benefit us?



Your environment is audited (1-2 days), no documentation needed





2. Certified

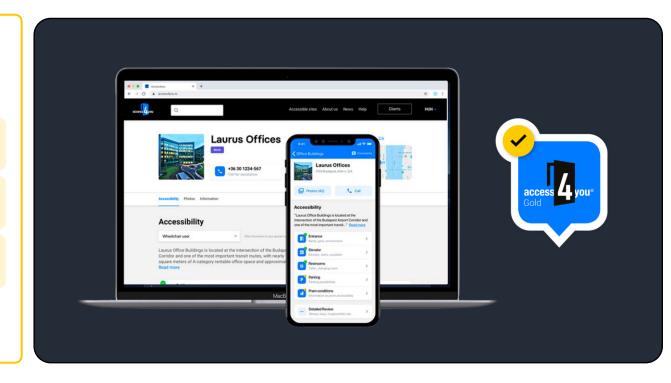
Communication of Certification

Services



Cocation Profile Implementation

B2B-B2C Communication



What **additional groups** are required to achieve Gold level beyond Certified Place status?

Certification System

People with baby strollers

The blind

The deaf

Visually impaired

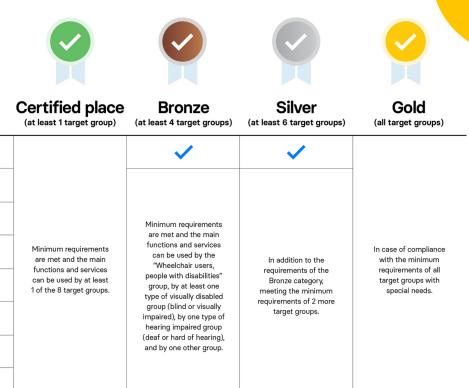
Hard of hearing

Wheelchair users, people with disabilities

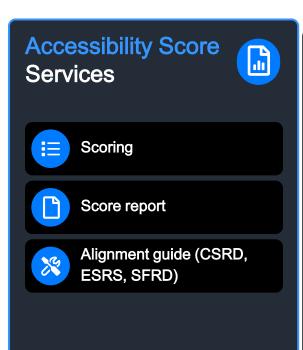
The elderly, people with reduced mobility

People with cognitive impairment

Levels of accessibility

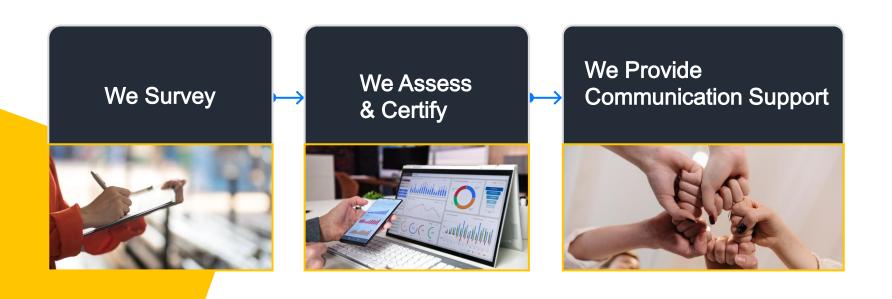


3. Scored





In short...





Strategic Foundations



Enhanced Property



Brand Building



Sustainability (Social)

Strengthening



Engage tenants and increase loyalty



Inviting in a larger pool of people in your environments





Building trust among stakeholders and investors

Quick and Effective

Minimal management effort (1-2 working days)

Integration into WELL and GRESB systems





How can I be more accessible?



Implementation Examples

Real-world accessibility improvements with costs

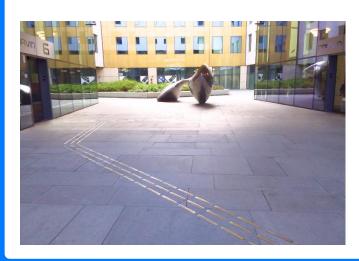


The Blind Tactile Signage

Cost:

€2000-4000

€200/m, general distance: 10-20 m

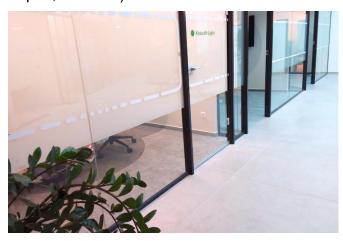




The Visually Impaired Glass and Step Markings

Cost:

1-2 Euro=m, 500-1500 m/building (material price only, including step markings, marking tapes, stickers)



Implementation Examples

Real-world accessibility improvements with costs



Cost:

Starting from €500-1000/per device (Onetime device cost)





The Deaf Online Sign-Language Service

Cost:

€1000/per device

€100-200/service/month

(one-time device cost and annual service fee)



Implementation Examples

Real-world accessibility improvements with costs



Cognitive Impairments
Comprehensive Signage and
Wayfinding System

Cost:

Starting from €1000 (built from store-bought components, without design work)



Benchmark for A verage Cost of Development

Determined by the building's complexity (does not include custom-designed solutions)

€10 000

THE ACCESS4YOU GROWTH STORY

Global growth of audited locations and office buildings

2019

29 audited locations

9 audited office buildings

Access4you Ltd. was founded; Becoming a member of ENAT; European Certification Trademark has been registered 2021

546 audited locations

49 audited office buildings

First international audit: New Work office Prague; 69 consulates in 39 European countries; First big portfolio: Hungarian bus stations and hubs 2023

963 audited locations

200 audited office buildings

Reached 1000 audited locations; Creating the B2P (business to partners) model; EASPD's Social Innovation 2023 Award; Joined RICS Tech Programme; Venture Capital investment: 1st round: € 540.000 (Hiventures)

2025

1715 audited locations

338 audited office buildings

40 international partners in Europe; Full one-to-one compliance integration with GRESB and WELL; B2P2P model CBRE Hungary manages and supports all European CBRE offices; Optional VC Investment 2nd round € 410.000 (Hiventures); Opening the USA and Mexican market

GEOGRAPHICAL SCOPE Number of audited locations in Europe 1201

Companies, that are already committed to accessibility

WE ARE TRUSTED BY LEADING COMPANIES





























Morgan Stanley

sanofi

access4you.io What now?

We have an international partner network



access4you.io

So if our presentation has taught you something, and you now see the importance of accessibility



access4you.io

I'll help you connect with our best partners



















access4you.io

Depending on your country



Option 1

Visit us at our booth

Option 2



Book a call!





Thank you for your attention!







PANEL DISCUSSION

Ivan Aranda, Director Energy Dept., R2M Spain

Adriano Bisello, PhD Urban Planner, Senior Researcher – Team Coordinator @ Eurac Research, Vice President @ ASSURB

Chiara Stanghini, Head of European Projects, EDERA srl Impresa Sociale







With the patronage







































THANK YOU