MAKING-CITY The Unified Cltizen Engagement Approach

Making City

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Congres De Mens Centraal in de Energietransitie 16 juni 2022 Provincie Limburg, Maastricht



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MAKING-CITY

- Horizon 2020 project
- Positive Energy Districts (PEDs)
- Social innovation: co-creation & co-design



Eight cities

- ▶ 2 lighthouse cities
- ► 6 follower cities
- ► 34 European partners



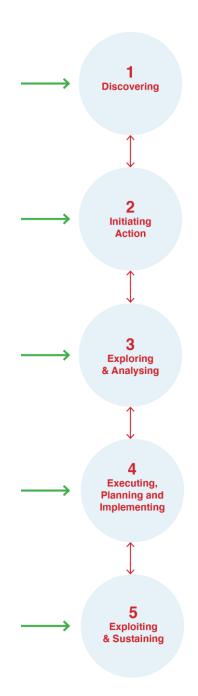


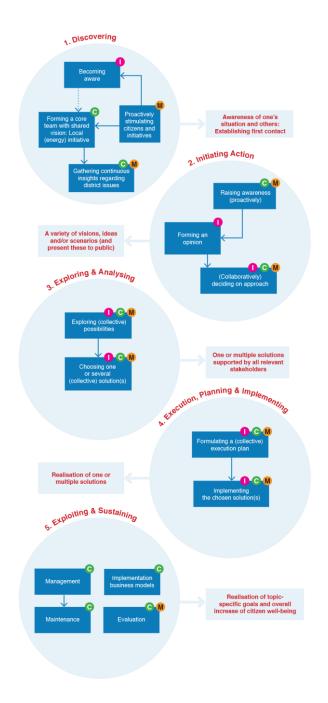
Development of Unified Citizen Engagement Approach (UCEA)

- Elements from existing approaches and citizen social research studies
- Five phases / spaces
- ► Three actors: Indivual, Cooperative & Municipality
- Flexible, dynamic and iterative
- Tools and methods



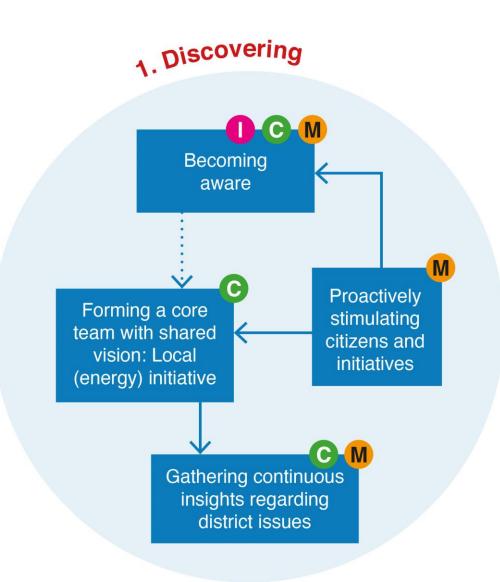
Unified Citizen Engagement Approach







Phase 1: Discovering

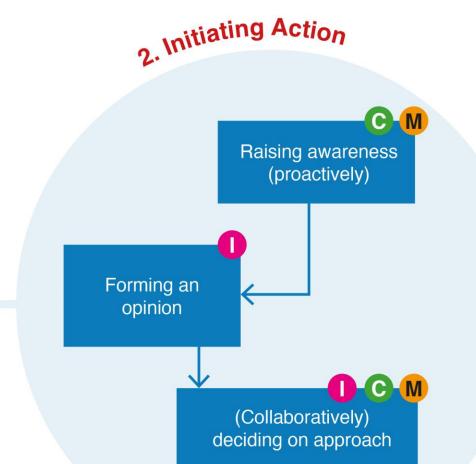


Awareness of one's situation and others: Establishing first contact



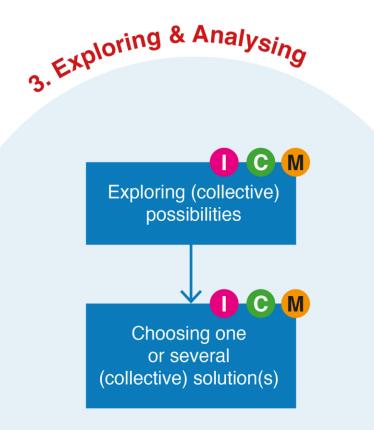
Phase 2: Initiating Action

A variety of visions, ideas and/or scenarios (and present these to public)





Phase 3: Exploring & Analysing

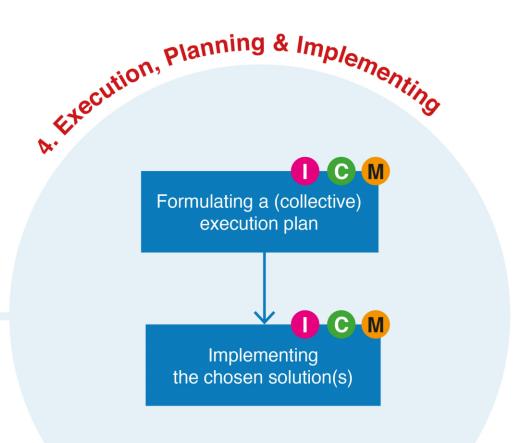


One or multiple solutions supported by all relevant stakeholders



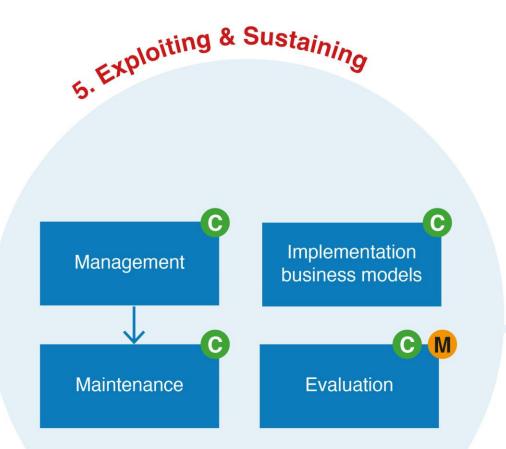
Phase 4: Execution, Planning & Implementing

Realisation of one or multiple solutions





Phase 5: Exploiting & Sustaining



Realisation of topicspecific goals and overall increase of citizen well-being



Current and future activities

- Finalising associated tools and methods
- Testing of different pathways in Hoogkerk (a.o.)
- Evaluation of approach





Limerick · Trondheim · Alba Iulia · Písek · Sestao · Smolyan · Võru

CommunityxChange

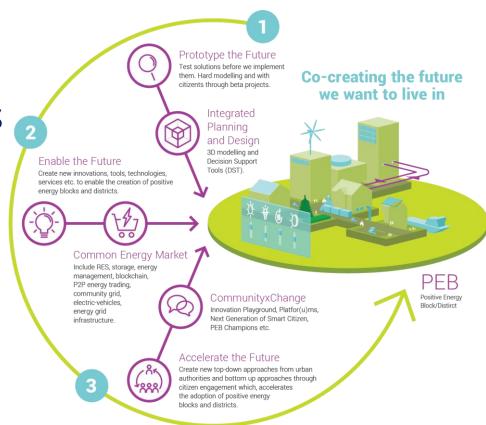
PED Citizen Engagement, TNO Congress.

16.06.2022 | helena.fitzgerald@ul.ie



+CityxChange Approach

- Localised energy transition through Positive Energy Blocks
- Link technical and community aspects
- Work with & across disciplines
- Work across strategic and operational levels
- Open Innovation and Cocreation



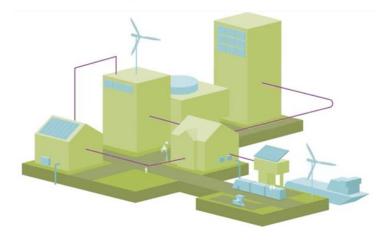


+CityxChange Impacts at Multiple Levels

 Systemic / Collective / Individual behavior change

- Broad participation on direct and indirect energy issues
- Participation in co-creation and energy communities
- Innovation ecosystem & labs
- Bold City Vision Changes in strategic city governance and transitions





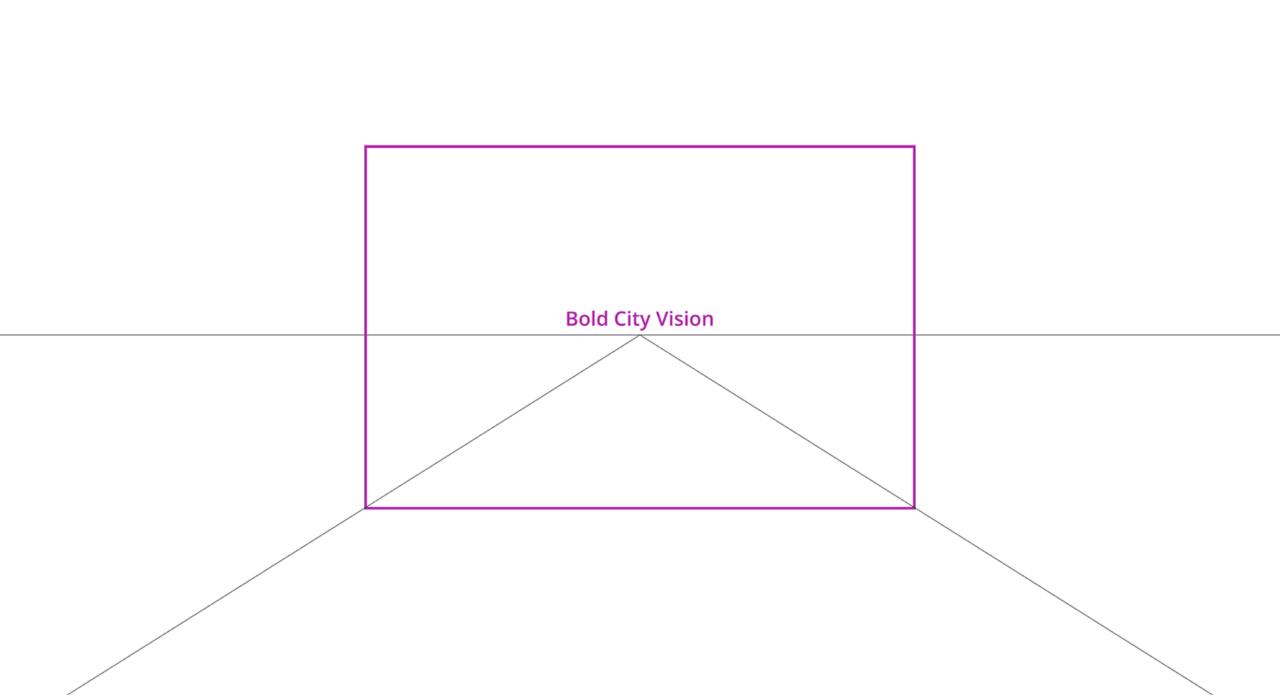


CommunityxChange

Six concepts to enable top-down and bottom-up processes of engagement:

- Bold City Vision
- Citizen Participation Playbook
- Innovation Playground
- Learning Framework Next Generation Smart Citizen
- Positive Energy Champion Network
- DPEB Innovation Lab

https://cityxchange.eu/knowledge-base/

































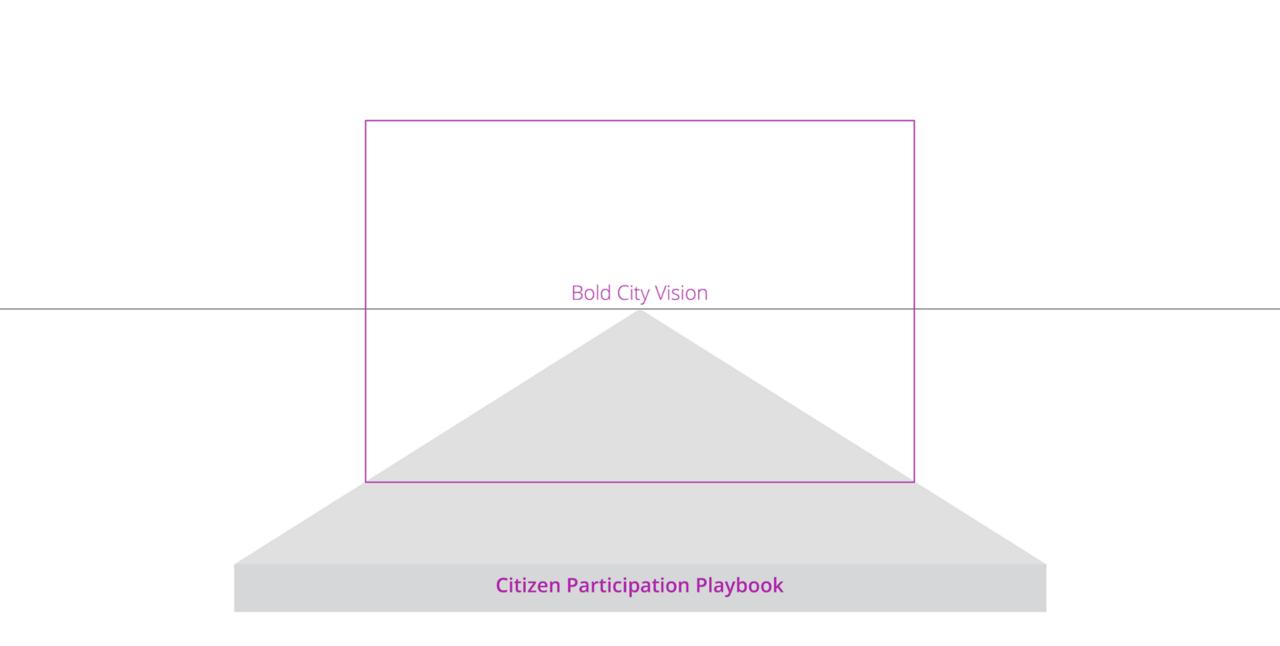


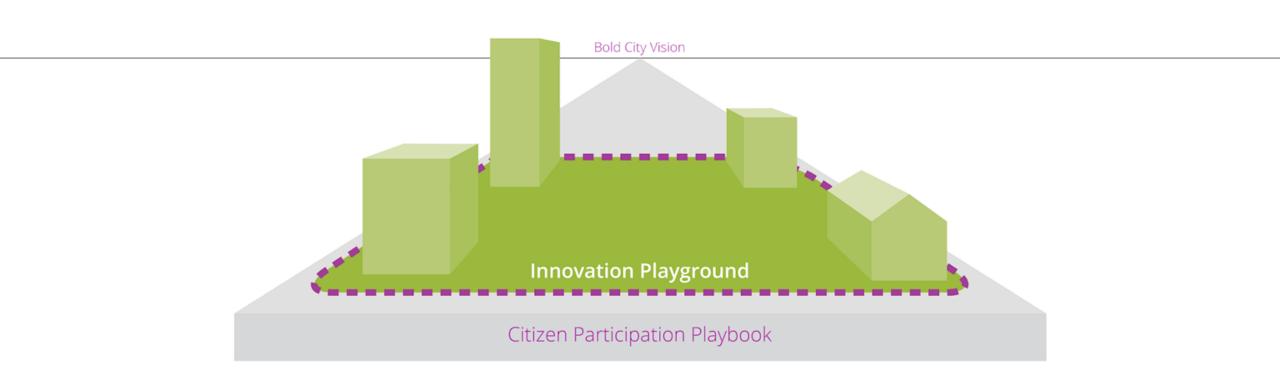


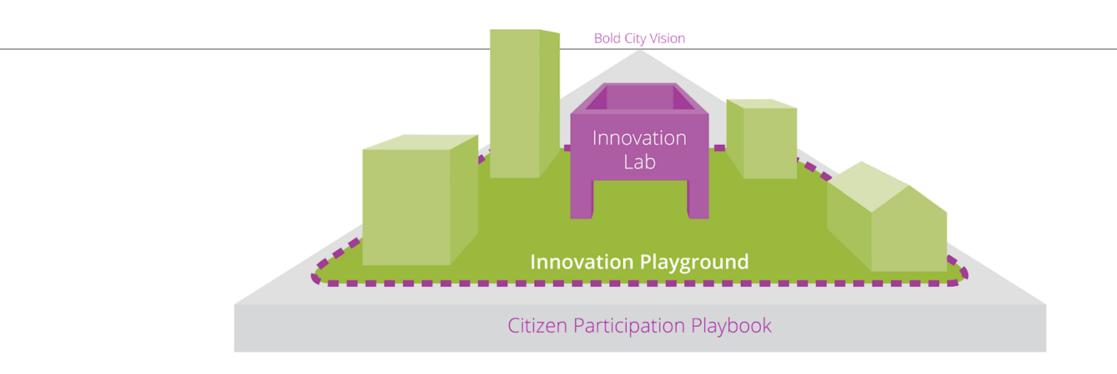


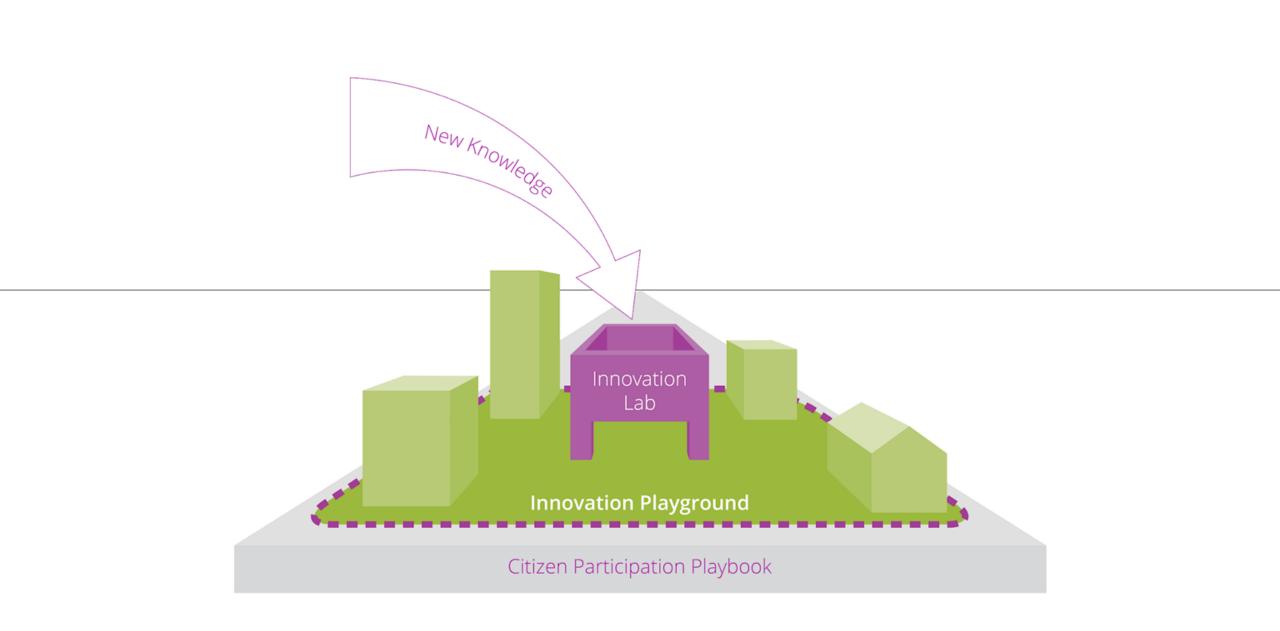


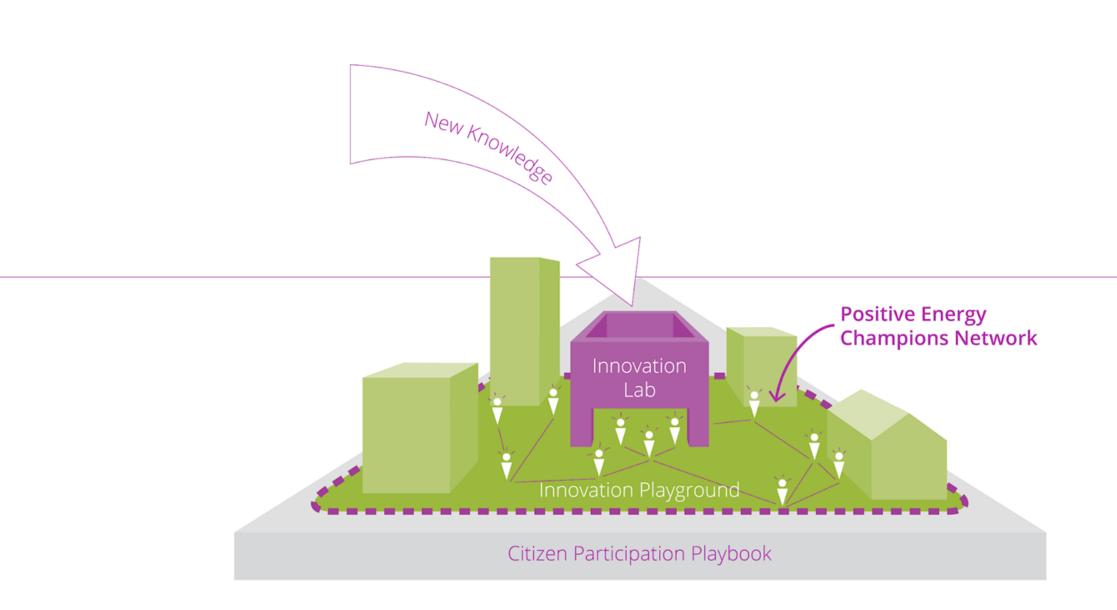




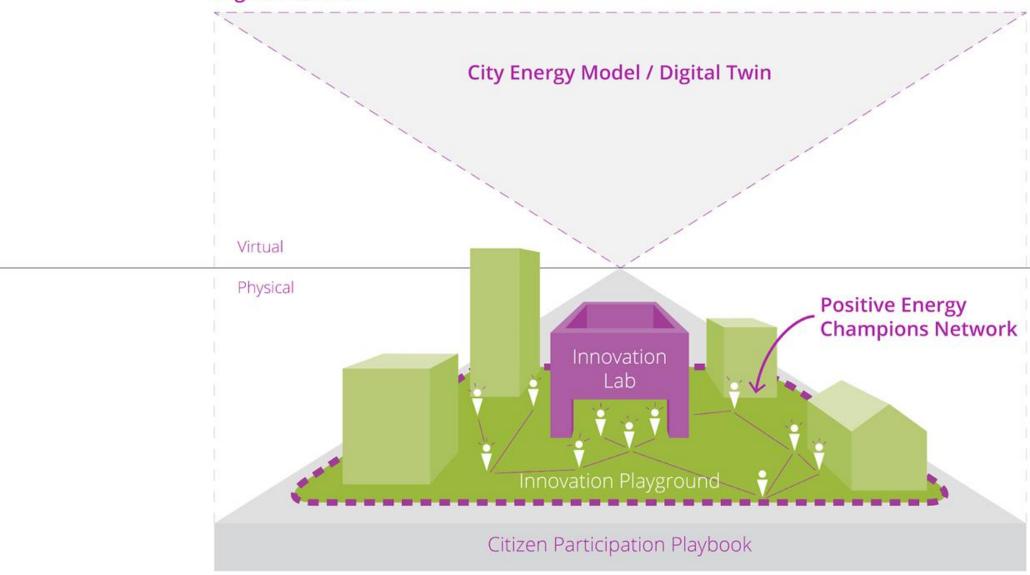




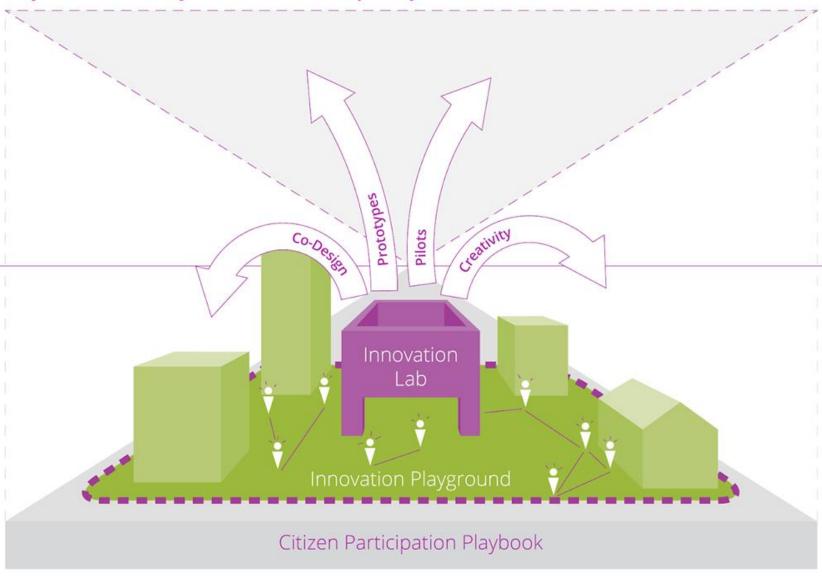




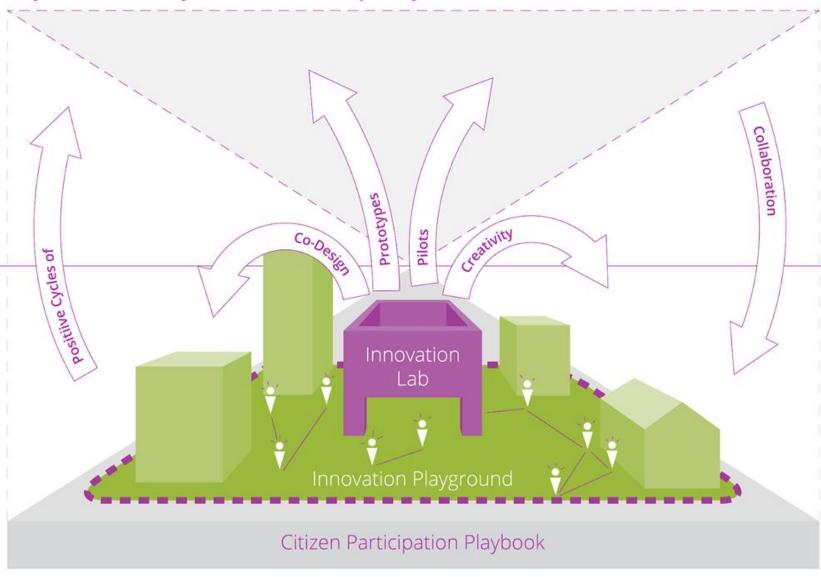
Digital Platform



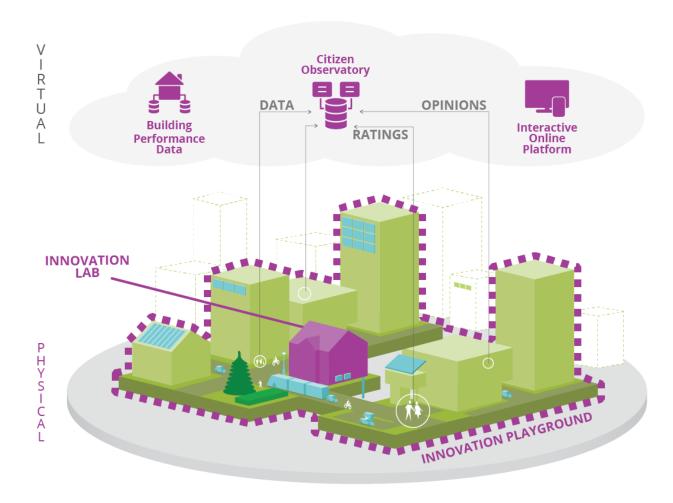
City Governance Systems and Participatory Processes



City Governance Systems and Participatory Processes



Innovation Playground | Innovation Lab





PEBs and PEDs Same Scientific Concept. Different Cities.



Powerhouse Brattørkaia – the World's Northernmost Energy-Positive Building. Image Snøhetta



Figure 2 Dereliction and Vacancy map of the Georgian Neighbourhood showing buildings at a trigger point for incorporation into the DPEB.

Image by Urban Innovation Department, Limerick City and County Council



































Cathie Chappell

"I drive an electric car, but feel unable at present to make longer journeys due to the lack of charging points, I would like to monitor this, and hopefully see an improvement in this infrastructure."

Aoife McKeon

"I hope to encourage impactful individual change with the aim of raising awareness about the aim to become a Smart City."

Jennifer Tierney - Cityxchange Team

transition to an electric car and all it involves and hope that by doing so I can inspire people in a similar position so that they can make the change."

Bill Kelly - Community Power

"Our project 'Greening the Grid aims to "I am eager to share the journey of my energise the citizenry of Limerick City to become actively involved in the energy transition."

Grainne McInerney

"I aim to improve the energy usage in the Georgian quarter in a realistic way that is sustainable and economically feasible."

Anne Cronin - Limerick Cycle Bus

"We aim to highlight the need for safe segregated connected infrastructure for "There is huge potential for St. Michael's cyclists of all ages in Limerick." in harnessing the river to power our launches and the clubhouse in a clean

Andrew O'Connell - St. Michael's

Rowing Club

and sustainable way."



David O'Connor - Facilities Manager Limerick City and County Council

"Over the next 20 weeks I plan to work with the +CityxChange team to incorporate their knowledge into the management of Council buildings by implementing some positive energy actions."

Siobhan O'Reilly - Limerick City Gallery of Art

"We are working with +Cityxchange partners Integrated Environmental Solutions IES, using their modelling platform to get a better understanding of how the building uses energy."



Patricia Roberts - No.1 Pery Square

"I hope to reduce business energy costs and to demonstrate the positive effect of the reduction on the environment to employees and customers."



Mark Manning - Smart Systems

"We hope to lower the energy costs associated with the building by monitoring the energy usage of the building and its constituent parts."



Una Walsh

"My plan as a Positive Energy Champion is to Empower Communities."



"We hope to identify and implement actions and changes that will help us to provide and manage more energy efficient homes, that in turn support cost effective living for our tenants."



"I will be examining the current transport system that exists within Limerick, and trying to mould new forms of active transport into the system."

Limerick's First Positive Energy Champions!



No 1 Pery Square Pery Square, Limerick





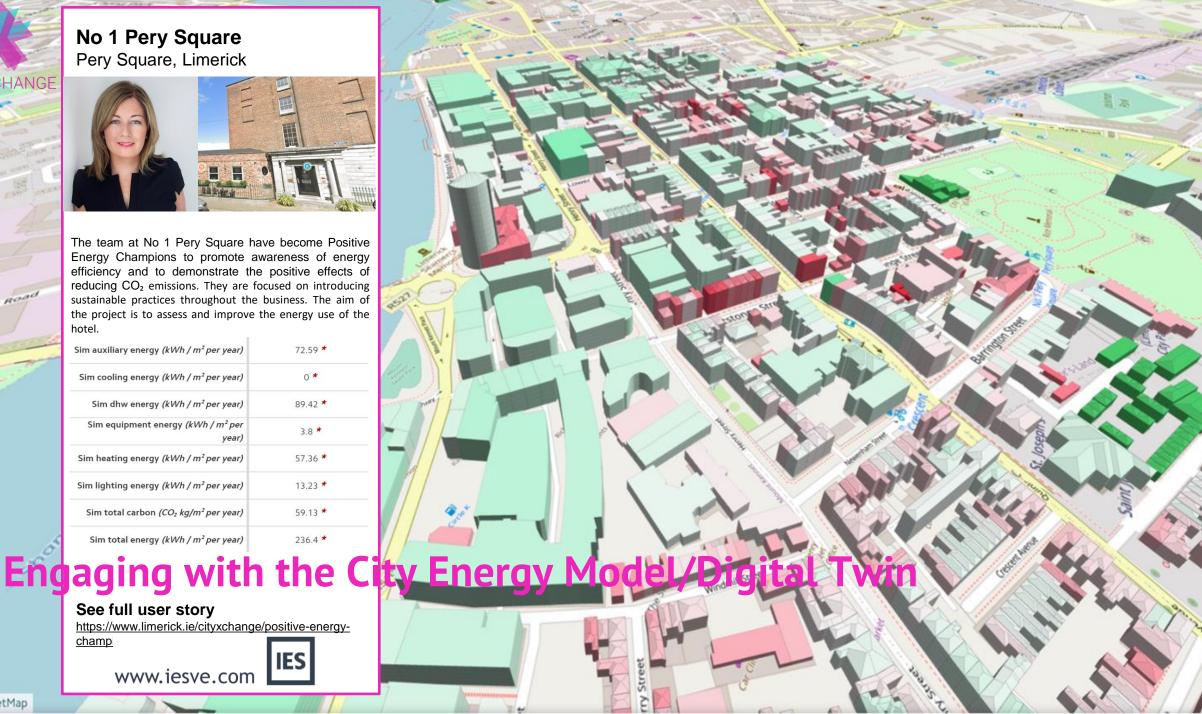
The team at No 1 Pery Square have become Positive Energy Champions to promote awareness of energy efficiency and to demonstrate the positive effects of reducing CO₂ emissions. They are focused on introducing sustainable practices throughout the business. The aim of the project is to assess and improve the energy use of the hotel.

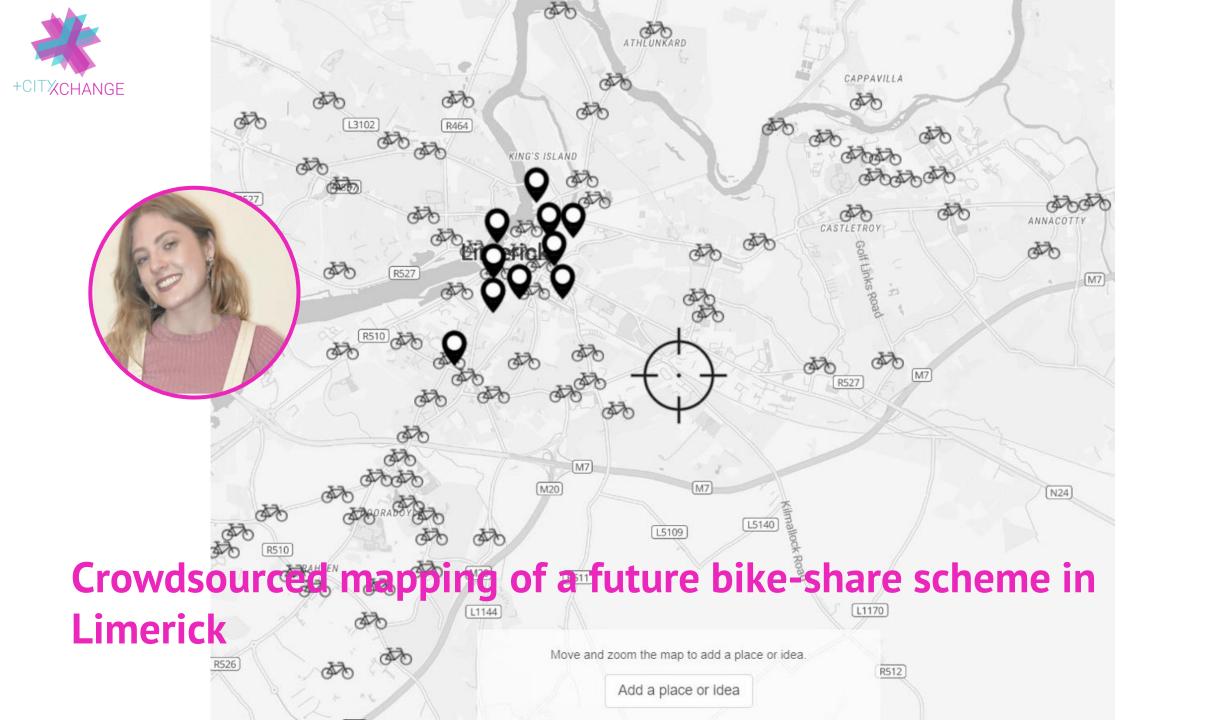
| Sim auxiliary energy (kWh / m² per year) | 72.59 * |
|---|---------|
| Sim cooling energy (kWh / m² per year) | 0 * |
| Sim dhw energy (kWh / m² per year) | 89.42 * |
| Sim equipment energy (kWh / m² per year) | 3.8 * |
| Sim heating energy (kWh / m² per year) | 57.36 * |
| Sim lighting energy (kWh / m² per year) | 13.23 * |
| Sim total carbon (CO ₂ kg/m² per year) | 59.13 * |
| Sim total energy (kWh / m² per year) | 236.4 * |

See full user story

https://www.limerick.ie/cityxchange/positive-energychamp

www.iesve.com





Citizen Roles in the Co-creation of PEDs

- Citizens empowered as co-innovators in the creation/replication of PEBs/PEDs – as explorers, ideators, designers and diffusers.
- Citizens animate the innovation playground
 - through participation in Open Calls for Citizen Solutions
 - as energy champions introducing new energy concepts to their communities
 - as participants in energy communities & as prosumers
- Broaden participation and taking ownership



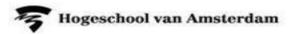




Citizens as coinnovators

https://citizeninnovationlab.ie/







ATELIER

DE MENS CENTRAAL IN
ENERGIEPOSITIEVE WIJKEN EN IN
LOKALE ENERGIETRANSITIE

VIJF VRAGEN IN ONDERZOEK, BELEID EN OPSCHALING

1. Mens centraal in energiepositieve wijken?

- Versnellers en vertragers -



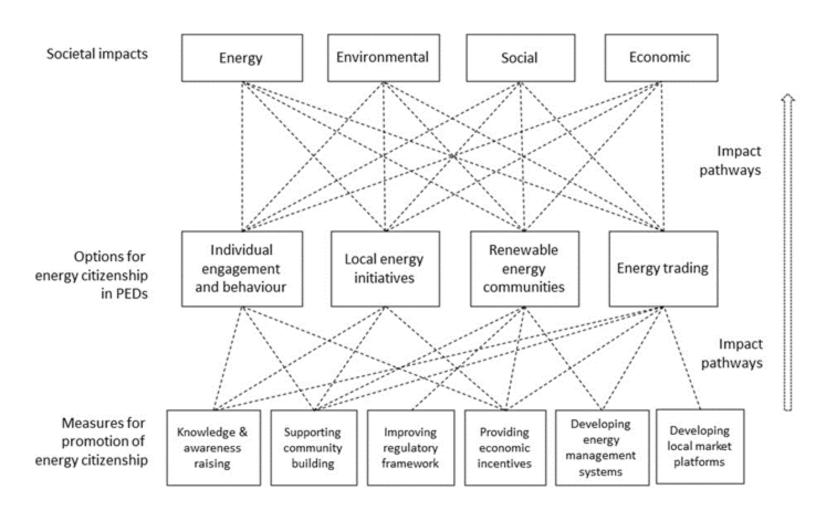
2. Welke mens?





Opschaling

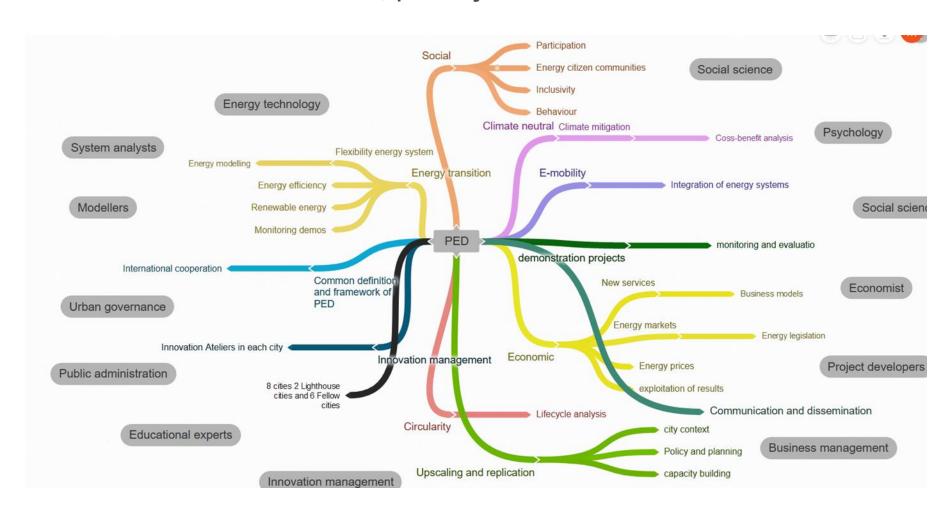
3. Doorwerking naar maatschappelijk doelen– wat levert het op?



4. Hoe van multi- naar inter- en trans disciplinariteit?

| Multidisciplinary | Interdisciplinary | Transdisciplinary |
|--|--|--|
| Juxtaposes separate disciplinary approaches around a common interest Where researchers from each discipline work in a self-contained manner Little cross fertilisation ("integration") among disciplines or synergy in the research outcomes | Involves bodies of knowledge derived from more than one discipline. Strives for collaboration between disciplines. Aims to integrate knowledge, at least to some extent. | Intends to transgress boundaries between disciplinary knowledge Intends to integrate different bodies of knowledge and create new knowledge Develops new interdisciplinary research methods Tends to imply active co-creation of knowledge between academic and societal partners |

5. Wordt de trend naar holisme niet te complex voor onderzoekers, praktijk en beleidsmakers?



TNO energy Transition POCITYF TENANT ENGAGEMENT – A
HANDBOOK FOR HOUSING
CORPORATIONS

POCITYF - A workbook for housing corporations

- Housing corporations have an important role in the energy transition on a local level or neighbourhood.
 - They can be front-runners in the neighbourhood.
 - They are often better organized compared to all citizens within a neighbourhood.
 - They have a different organizational structure compared to local initiatives or groups
 - They are often well-connected to other public and private organisations in the neighbourhood.



Preparation



Step 1. Describe the residents and the context

- 1.1 Describe what you already know about the residents.
- 1.2 Collect additional information.
- 1.3 Evaluate this step

Residents' information questionnaire

Wishing Card

The Chatting Tree

Wishing Tiles



Step 2. Distinguish different resident groups

- 2.1 Define the resident groups.
- 2.2 Optional: Draw up personas.
- 2.3 Evaluate this step.



Step 3. Set up the participation strategy

- 3.1 Determine the participation level, the "what" and the "when".
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- 4.1 Formulate the basic communication strategy.4.2 Formulate detailed communication strategies for specific resident groups.4.3 Evaluate this step.

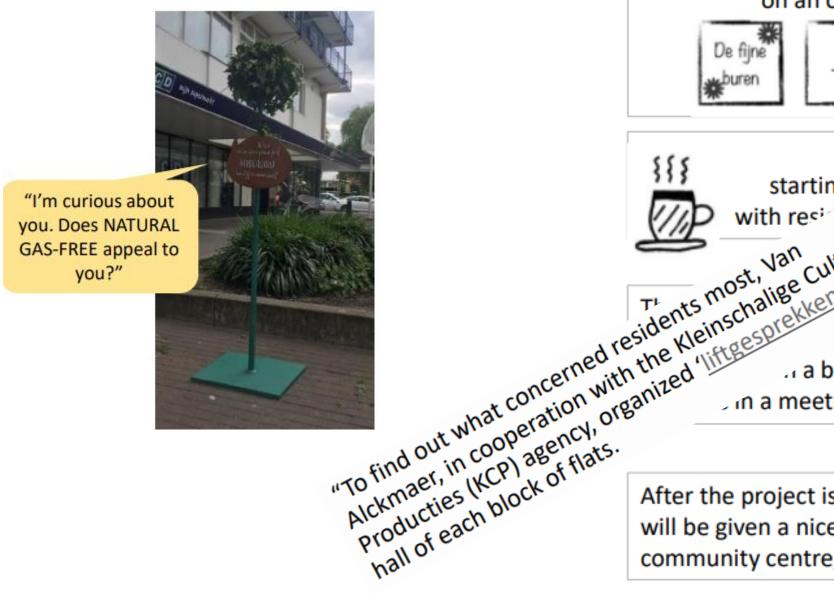
Means-matrix

Implementation



- 5.1 Monitor throughout the project's duration.
- 5.2 Evaluate the process and the results after the project.

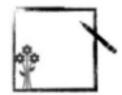
Step 1. Describe the residents and the context



Residents indicate what they like about their neighbourhood and immortalise it on an original tile.









The tiles are used as a starting point for discussions with resid about the future.

"To find out what concerned residents most, van culturele in the Kleinschalige Culturele in t Alckmaer, in cooperation with the Kleinschalige Culturele producties (KCP) agency, organized liftgesorekken in the producties (KCP) agency, hall of each block of flats. → is visible to ം housing



After the project is completed, the tiles will be given a nice spot in the community centre, for example.

Step 2. Distinguish different resident groups



Example - Persona

Personal background

- Erik, man, 25, single
- Housing corporation tenant
- Lives in Rivierenbuurt
- Job seeker
- Little contact in the neighbourhood

Difficult to reach

Communication style

- Personal approach because he doesn't attend meetings
- Must 'stumble' upon the information
- Communication should look fun, visually appealing and simple

Needs

- Needs trust
- Wants clarity through a personal approach
- Must survive financially, so does not want extra costs
- Needs help to make the right decision

Challenges

- Feels excluded and is disappointed in society
- Takes time to make himself understood
- Matching interests and needs
- Preventing choice stress by offering simple choices



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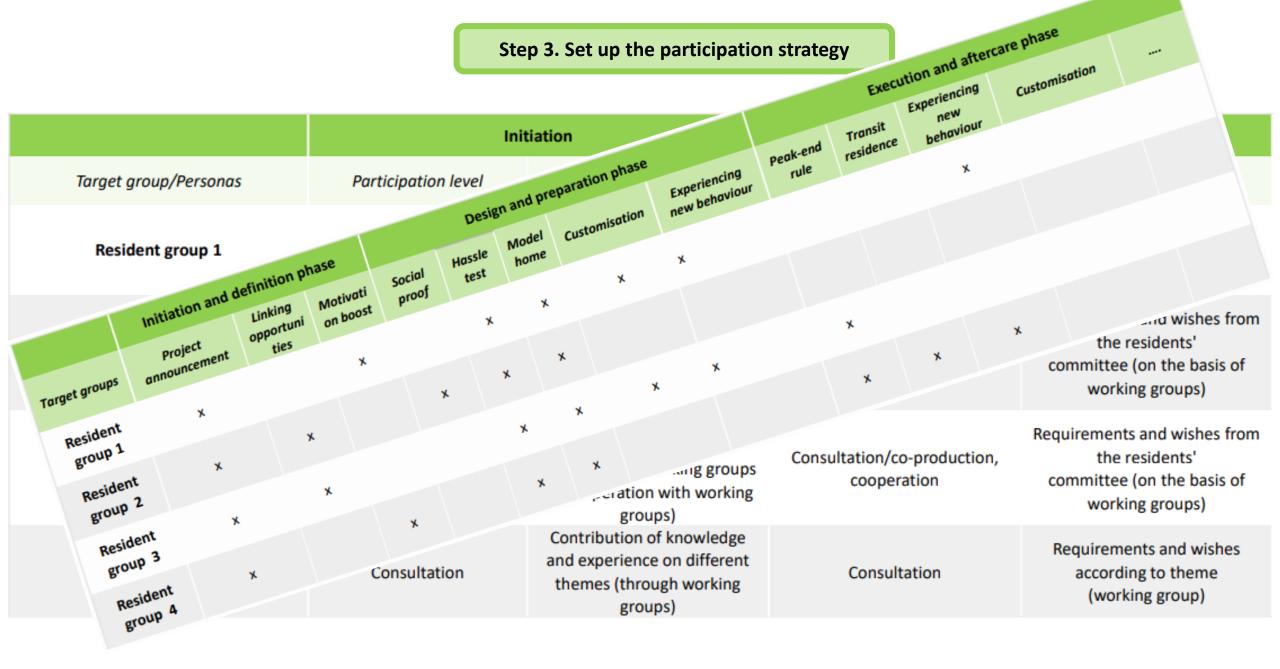
Step 3. Set up the participation strategy

| | Step | Explanation | | |
|---|-----------------------|--|--|--|
| 7 | Ownership | Residents own the assets and have full control | | |
| 6 | Self- governance | Residents decide on all activities and make their own plans within predefined frameworks | | |
| 5 | Delegate | Housing corporations transfer parts of decision-making to residents | | |
| 4 | Coproduce / cooperate | Joint planning between the housing corporation and residents (as in a project group) | | |
| 3 | Consult | A formal dialogue between the housing corporation and residents (such as workshops, sounding board group) | | |
| 2 | Give input | Residents can formally give input within set frameworks (such as a questionnaire, public consultation) | | |
| 1 | Inform | The residents are informed about the activities and the project, but there is no formal possibility to react | | |
| 0 | No participation | There is no contact between the housing corporation and those concerned | | |

Table 1. Based on the new style of participation ladder (Physical Environment Consultative Body)

Step 3. Set up the participation strategy

| | Initiation | | Definition | |
|-----------------------|----------------------------|--|---|---|
| Target group/Personas | Participation level | Input (what) | Participation level | Input (what) |
| Resident group 1 | Consultation | Contribution of knowledge and experience on different themes (through working groups) | Consultation | Requirements and wishes according to theme (working group) |
| Resident group 2 | Co-production, cooperation | Residents' committee secures input of knowledge/ experience of working groups (in cooperation with working groups) | Consultation/co-production, cooperation | Requirements and wishes from the residents' committee (on the basis of working groups) |
| Resident group 3 | Co-production, cooperation | Residents' committee secures input of knowledge/ experience of working groups (in cooperation with working groups) | Consultation/co-production, cooperation | Requirements and wishes from the residents' committee (on the basis of working groups) |
| Resident group 4 | Consultation | Contribution of knowledge and experience on different themes (through working groups) | Consultation | Requirements and wishes according to theme (working group) |



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Step 4. Set up the communication strategy

| Target groups Time | | Medium | Customisation | Emotions |
|--------------------|-----------|---|-----------------------------------|----------|
| Resident group 1 | Afternoon | Written (project folder), visual, at the resident's home | Clear planning, extra explanation | |
| Resident group 2 | Evening | Digital environment, written (project folder) | Clear planning | |
| Resident group 3 | Afternoon | Written (project folder), digital environment, drop-in centre | Formal communication | |
| Resident group 4 | Afternoon | Written (project folder), visual, at the resident's home | | |

Step 4. Set up the communication strategy

High level of participation envisaged

- Coffee cart / carrier cycle moment
- Open evening with models
- Regular drinks evening
- Drop-in centre

Re

Resi

Resid

Less important

message (e.g. an

update)

- Escape room (a place where you can find some peace and quiet during the work)
 - Newsletter
 - E-mail
 - First spade in the ground moment or presence at an archaelogical survey

- Home visit
- Session with drawings for residents to sketch on with the architects present
 - Letter
 - Information evening
 - Video to explain something
 - Digital environment

Important message (e.g. a choice moment)

Based on: Replacement new build: it starts with resident communication | TNO

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Thank you!

- POCITYF project: https://pocityf.eu/
- Handbook:
 - https://pocityf.eu/news/becoming-sustainable-together-withresidents-participation-and-communication-manual-for-housingcorporations/
 - https://pocityf.eu/wp-content/uploads/2022/03/Becomingsustainable-together-with-residents-Workbook-2.pdf

