

CULTUUR&CAMPUS PUTSELAAN

Online neighbourhood dashboard

DELIVERABLE D2.4



Gemeente Rotterdam



General Information

Project Description

Acronym	C&CP
Title	Cultuur&Campus Putselaan: A sustainable hub of arts, research, learning and community as catalyst
Coordinator	Erasmus University Rotterdam
Project Number	1010799729
Type of Action	HORIZON Coordination and Support Action
Topic	HORIZON-MISS-2021-NEB-01-01
Project Start Date	01.10.2022
Project End Date	31.12.2025
Project Duration	39 months
Website	www.putselaan.nl
Email	info@cultuurcampus.nl

Deliverable Description

Number	D2.4
Title	Online neighbourhood dashboard
Lead Beneficiary	Erasmus University Rotterdam
Work Package	WP2
Dissemination Level	Public
Type	Report
Due Date	30 June 2025
Submission Date	30 June 2025
Resubmission Date	22 September 2025

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Resubmission Edits	Inclusion web link to dashboard, improved formatting

Acronyms and Definitions

Acronym	Meaning
AWC	Afrikaanderwijk Cooperatie
BUZ	Stichting Buzinezzclub Foundation
C&CP	Cultuur&Campus Putselaan
CA	Consortium Agreement
COD	Stichting Codarts voor de Kunsten
EC	European Commission
ELIA	European League of Institutes of the Arts
EUR	Erasmus University Rotterdam
HR	Stichting Hogeschool Rotterdam
ICLEI	ICLEI - Local Governments for Sustainability
RDAM	Gemeente Rotterdam
TU Delft	Technische Universiteit Delft
WDKA	Willem de Kooning Academy Rotterdam
WP(s)	Work Package(s)

Acknowledgement

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 the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

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1. Abstract

As described in the Grant Agreement, this deliverable (D2.4) provides an open access online dashboard presenting the area profile developed during the design implementation of the needs assessment plan in T2.1 (including contextual data and stakeholder landscape), enriched by the participatory research in T2.2. This dashboard has an accessible and interactive interface.

The online dashboard maps the landscape of social and cultural stakeholders in Rotterdam South who are active in supporting sustainable, inclusive, beautiful transitions in the city, offering a critical space for interaction, networking and co-creation. It also provides an accessible snapshot of the area's profile and situation according to environmental and climate risk indicators next to links to socio-demographic information.

At the Cultuur&Campus Putselaan hub, and during pop up events and locations in the neighbourhood, access to the dashboard will also be facilitated for those who would need support in doing so.

2. About the Cultuur&Campus Putselaan Project

Cultuur&Campus Putselaan (C&CP) pilots a new approach to city making through education, research, policy and culture at the heart of Rotterdam South. At the Putselaan, we bring together different types of knowledge - theoretical, practical, from the arts and sciences - with the lived experiences of citizens. We do so in three ways.

First, by co-creating a vibrant site of encounter, dialogue and shared learning. The C&CP is housed in a historical building, the refurbishment of which unites a sustainable re-design vision of students of architecture and built environment, with the needs and wishes for flexible programming and wishes of local stakeholders. This will be a hub for students, residents, social enterprise start-ups, lecturers and researchers – a place for learning, studying, community, art and culture. C&CP will connect to existing initiatives and spaces, while also providing a unique hub for higher education in the area.

Second, we will facilitate empowering the co-design of impact-oriented learning curricula that can make the area more sustainable, inclusive, and enriching. From sustainable crafts and repair workshops open to all, to lifelong learning formats and Master level courses, we will test innovative didactic approaches geared towards activating and inspiring residents, students, and lecturers in shaping a better future for Rotterdam South.

Third, we ground our approach to research in participatory research and citizen science, that empowers residents to take part in the processes that shape their city and delivers a sound understanding of the area, its challenges and opportunities.

Evaluating our experience, we will identify the most effective strategies for delivering territorial transformations that build on situated knowledge of an area and where the vision is shaped and implemented through multi-stakeholder and multi-level collaborations. The evaluation and lessons learned will be reported on in context of work package 7 on Future Plans and Replicability, which prepares for the transition and upscaling of the C&CP project and the replication of this project elsewhere.

Consortium

- Erasmus University Rotterdam, Erasmus School of History, Culture and Communication
- Willem de Kooning Academy Rotterdam
- Hogeschool Rotterdam (Affiliate of WDKA)
- Codarts University for the Arts
- Afrikaanderwijk Coöperatie
- Municipality of Rotterdam
- Buzinezzclub
- European League of Institutes of the Arts
- ICLEI – Local Governments for Sustainability

3. Introduction

On July 1st 2025, Cultuur&Campus Putselaan has launched its online interactive dashboard, findable via Putselaan.nl and PlatformZuid.nl. Guided by the New European Bauhaus values Sustainable, Beautiful and Together, the dashboard maps the landscape of social, ecological and cultural stakeholders in Rotterdam South active in supporting the transition towards a sustainable, inclusive and thriving city. It offers a space for interaction, networking and co-creation. It also provides an easily multi-layered yet accessible snapshot of the area's profile according to multiple indicators.

The dashboard is the result of a co-design and co-creation process between the C&CP team, local residents and stakeholders, city data officers, as well as a team of researchers of the Mapping for Climate Resilience: a Collaborative Approach for Rotterdam (MapCRes) project. Additional funding was applied for to enhance the development of the C&CP dashboard and expand existing research efforts on citizen participation in climate adaptation. MapCRes is financed by the Technical University Delft and Erasmus University Rotterdam Convergence under the Resilient Delta initiative funding.

This report provides an overview of the aims, content and vision of the dashboard. It also details the co-creation and testing process as well as the lessons learned thus far. Considering the emphasis on local initiatives and the networking function we hope it will serve, we refer to the dashboard also as a platform.

Cultuur&Campus Putselaan and the MapCRes team have developed a spatial 'dashboard' with data relevant to climate adaptation in Rotterdam South. Many data sources exist which provide insights into the ecological, social, demographic situation in the city. Yet while existing sources such as Klimaateffectatlas.nl (Dutch climate atlas) and the Leefbaarometer (Liveability Barometer) provide a lot of spatial data, these maps often miss the qualitative or human aspect of the story and are not always explained in an accessible manner: how do residents experience climate risks? What does 'greening a neighbourhood' mean for a resident in daily life? In which neighbourhoods do different risks converge or are there protective factors instead? Which initiatives can residents get in touch with? With this dashboard, we integrate different types of information and knowledge to strengthen collaborations between various stakeholders, such as residents, local initiatives, project developers, housing corporations, and the municipality.

4. Vision and aims of the dashboard

The C&CP dashboard is linked to the C&CP project website and brings together qualitative and quantitative information on stakeholders and initiatives in Rotterdam South active in supporting the transition towards a sustainable, inclusive and creative Rotterdam South. It offers a space for learning, interaction, networking and co-creation.

The dashboard has the following aims:

- To map the location of local cultural, social and ecological stakeholders who are contributing to inclusive and sustainable transitions in the neighbourhood surrounding C&CP. In doing so, it adds value to existing mapping exercises that deal with culture and the environment separately (e.g. Rotterdam SAUS and data from the Klimaateffectatlas).
- To provide an easily accessible snapshot of current initiatives in the community.
- Thereby, we aim to support networking and synergies across initiatives with similar goals, by enhancing their visibility and by offering a space for connection and interaction
- To increase the visibility, transparency and accessibility of local research activities and outcomes, in particular with a focus on inclusion and sustainability.
- By enhancing the visibility of ongoing initiatives and research projects, next to input from local communities the platform contributes to trust building between institutions and residents.

4.1 Target groups

The Dashboard is intended as a resource for local residents, entrepreneurs, students, teachers, researchers, policy-makers and other professionals (such as employees of housing corporations or city developers) interested in exploring the synergies between cultural, artistic, environmental and community initiatives in the area, as well as keeping up to date with research and initiatives happening locally. It does not replace existing online platforms, but seeks to integrate and connect different sources of information and knowledge(s).

The intention behind the dashboard is to provide easy access to data and information (quantitative/qualitative) that can be of use to understand lived experiences, local expertise and quantitative climate data for a variety of users.

5. Co-design process

For the development of the online neighbourhood dashboard, the C&CP team actively engaged multiple stakeholders over the past year to ensure the dashboard meets the diverse information needs of key audiences, including local populations (entrepreneurs, community organizers, and residents), policymakers, and researchers. Through these ongoing discussions, we have identified collaboration opportunities and gathered input on the desired features and functionality of the dashboard. Additionally, we have mapped local cultural stakeholders using an existing database (RotterdamSaus) and have expanded this dataset to further enrich our understanding of the local context.

5.1 Collaborating with researchers in other institutions

There is a recognized need for enough time to effectively establish contact with local residents, foster connections, and gain a comprehensive understanding of their motivations and preferences for community engagement.

Rotterdam South is known to be a heavily researched area and C&CP makes efforts to align efforts instead of furthering over-asking local populations. In these efforts, we connected to the participatory 'Where we Stand' project (an RDI Kickstarter grant project on citizens' climate resilience) connecting to our collaboration partners. From there, ideas for further collaboration emerged and we formed a team with Céline Janssen, a postdoctoral researcher at the Delft University of Technology (TU Delft), Donagh Horgan, a colleague at the EUR and researchers at the Urban Leisure and Tourism Lab in South which is part of InHolland University of applied science, Theresa Audrey Estheban, and Maryam Naghbili, both postdoctoral researchers at TU Delft.

In the summer 2024, members of the C&CP research team collaborated with researchers at TU Delft and InHolland University of Applied Sciences, to secure additional funding for ecological data scoping via the Kickstarter funding of the Resilient Delta Initiative. This allowed us to bring together diverse initiatives that were engaging in data scoping and mapping and focalise efforts around the C&CP dashboard. With the support of the additional funding, the project entitled *Mapping for Climate Resilience* (MapCRes) began in September 2024. It focuses on bridging diverse stakeholders in climate adaptation initiatives. Importantly, it explores the participation trajectories for residents and their involvement in local projects.

This collaboration has allowed us to strengthen the development of ecological data within the dashboard by integrating a broader range of data, particularly combining quantitative climate risk data, and qualitative insights from local experiences, alongside existing research.

The co-creation process has revealed that the product serves a broader purpose than initially anticipated. In particular, it underscored the value of integrating multiple sources of information and highlighted the dashboard's bridging function facilitating interaction, collaboration, and knowledge exchange among diverse stakeholders. As a result, what was originally conceived

as a dashboard has evolved into something more comprehensive. We therefore refer to it as a *platform*, reflecting its expanded role as an interactive and multi-layered tool rather than a static display of data.

During the past years, we have connected with different stakeholders who collect social, cultural and environmental data, working with them to identify the most useful way to integrate existing quantitative data and extend this information by integrating selected qualitative information. Conversations and working sessions with neighbourhood residents and professionals have shaped the vision and mission of this dashboard.

5.2 Co-design with local stakeholders and resident

During the Stakeholder Group meeting of 6 March 2024, we had an initial brainstorm to collect ideas on the needs of local residents for the dashboard. The Stakeholder Group highlighted the wish for accessible information on multiple dimensions of neighbourhood life. Several aspects were mentioned.

First, a clear need expressed by Stakeholder Group was the information on local initiatives and informal culture. An informal cultural agenda for Rotterdam South was also a wish that came forth in other conversations with residents. Yet, the municipality, together with a foundation in Afrikaanderwijk, was already working on a website to present a local agenda and initiatives of that neighbourhood together with the municipality. Further, CultuurConcreet, a foundation tasked with the support of neighbourhood-based cultural initiative further advised us on the extensive amount of maintenance work that a well-functioning cultural agenda would cause. C&CP would have been able to create such an agenda in a dashboard format but does not have the required resources available to maintain such a platform. We therefore further explored needs and wishes with a consideration for culture, sustainability and inclusion.

Second, the Stakeholder Group referred to transparency of information about subsidy possibilities, providing overview in the, at times confusing, subsidy landscape for individual residents, initiatives and organizations. While this idea has not manifested in the online dashboard to date, C&CP has picked up this idea to support with subsidy-requests for local initiatives in other ways and is planning to co-facilitate subsidy-support together with other parties on site at the Putselaan, rather than online.

Third, from these conversations and ongoing research projects in the area, it became evident that much of the information on environmental challenges is not very accessible to residents as it requires a high level of digital – or data - literacy. Similarly, while citizen participation is required by law when it comes to environmental permits regarding public spaces and climate (Dutch General Administrative Law Act (in Dutch: Algemene wet bestuursrecht or Awb, 2025) and The Environment and Planning Act (in Dutch: Omgevingswet, 2024)), while governmental bodies appear to have increased their attention to participation trajectories, some of these participation trajectories are rather limited and experienced as tokenistic “When the municipality comes by and invites us to participate, it’s usually us being invited to listen” as a resident shared. This context stimulated us to think more critically about target groups and requirements for the dashboard.

5.3 Co-design workshops and consultations

Next to formal and informal consultations with various stakeholders, we organized a range of workshops and consultations.

5.3.1 Datafeest op Zuid

To learn about existing mapping efforts and relevant data to include in the dashboard, we invited a wide array of researchers for a knowledge sharing event on January 16th 2025. We hosted the event at the Urban Leisure and Tourism lab and brought together academic researchers from various institutions, applied researchers operating in Rotterdam South, employees of a housing association and resident initiatives working with data. We also used the gathering to facilitate a discussion on engaged research providing further ideas on requirements and wishes for the platform.



1 Project introduction during the 'data party' at the Urban Tourism and Leisure Lab

5.3.2 Co-creation workshop in May 2025

Ten participants tested the first version of the platform, contributing to a rich and constructive discussion on target audiences and desired functionalities. The group included a local entrepreneur, knowledge brokers from the City of Rotterdam, researchers, a student, a developer, and a representative from a housing corporation.

5.3.3 Sustainable Transitions in Culture & Societies research cluster and conversations with other researchers

Presenting the first version of the platform to fellow researchers at the Sustainable Transitions in Culture & Societies research cluster in June 2025, at Erasmus University Rotterdam and online, and in addition a range of individual conversations with researchers from different faculties enhanced our understanding of the platform's potential for connecting existing research initiatives and enhancing their accessibility to residents.

5.3.4 Exchange with the Wijkraad Bloemhof

In June 2025, an exchange with municipality colleagues focussed on Bloemhof highlighted the need of the neighbourhood council of independent information. We were invited by the neighbourhood council to present the platform plans. Bloemhof is one of the neighbourhoods in

Rotterdam heavily affected by subsidence and communication between residents and municipality are tense (Pompoes; Pot; & Dewulf, 2025). The challenging situation in which many houses will need to be renovated while many owners do not have the financial means causes heated debate between different parties and makes information about subsidence crucial for engaged residents. While they were enthusiastic about our plans to facilitate data interpretation sessions and also the opportunity to express their own preferences when it came to the platform's content as well as the opportunity to add information themselves, they highlighted the limited involvement and capacity of most residents with climate issues due to the pressing other life-challenges many are facing.

6. Soft-launch

On July 1 2025, we have hosted a soft-launch event for the dashboard. During this event, we presented the dashboard to a diversity of stakeholders and critically discussed the potential and use of the platform together with a variety of stakeholders. The soft launch was the starting point of a broader trajectory of adding information, adjusting content to the target groups' needs and bringing the dashboard to life. It was accompanied by the invitation to further add to the platform and share. In fall 2025, data interpretation sessions with a variety of communities will follow and we will work on plans for the continuation and growth of the platform. C&CP partner ELIA [reported on the event](#) (Muñiz, 2025) highlighting the urgency of the matters we discussed.



2 Preliminary logo of the new platform



2 Physical mapping during the soft-launch. Photo by Maryam Naghibi

7. Content of Platform Zuid

To facilitate easy access to data and information (quantitative/qualitative) that can be of use to support inclusive and sustainable transitions in the area, we created an easy to navigate interface.

7.1 Local Knowledge and Expertise

In this layer visitors will find stories from people who live, work or develop in Rotterdam's neighbourhoods. We selected several stories that highlight a specific perspective on climate adaptation. For example, one can read the story of an enthusiastic resident who is of great



3 Illustration of a narrative on local expertise

significance to her neighbourhood by

taking care of the green in her street and several squares. But also the story of a housing association neighbourhood manager whose job is to prepare neighbourhoods for climate changes such as heavier rainfall and longer periods of drought. The layer contains three sub-layers namely 1), residents' experiences; 2), Community comments; 3) research projects.

7.2 Neighbourhoods of South

This layer visualizes the neighbourhoods of Rotterdam South. The boundaries are the same as those used by the Central Bureau of Statistics as "neighbourhoods". It further links to the neighbourhood profiles which the municipality of Rotterdam provides.

7.3 Initiatives on South

This layer presents an overview of existing cultural initiatives in the neighbourhoods. These are initiatives by, for example, residents, artists, foundations, cultural institutions or welfare organizations.

The data are partially based on the Rotterdam Saus data yet expanded by new input and developments. The map visually distinguishes between three types of initiatives:

- Creative initiatives such as the Cultuurhuis Feijenoord
- Sustainability initiatives such as local initiatives for urban greening
- Social initiatives such as neighbourhood centres.

Many initiatives actually fulfil more than one of these functions. In the current version, we highlight one, but we are considering expanding the representation of different initiatives visually.

7.4 Audio tours

C&CP has collaborated with [WATWEDOEN](#) in the creation of three audio walking tours inspired by the NEB values. During each [walking tour](#), participants are invited to listen to a conversation between a person from the neighbourhood and a representative of the C&CP



4 Illustration of audio tour 'what is beautiful' photo: Sanne Donders

consortium. In this layer, one can find the link to more information about the walking tours, a visualization of the walking routes and the invitation to join in.

7.5 Environmental data

The sustainability of the initiative hinges upon transitioning from a three-year pilot project to a longer-term endeavour, with commitment from all partners. It is imperative to evolve beyond a temporary project status and establish ourselves as a durable, ongoing initiative. Committing to this approach not only ensures continuity if the project proves successful but also demonstrates a steadfast dedication to long-term processes and sustained collaboration with local stakeholders.

We have included a range of environmental data. In conversations with the relevant stakeholders, we are currently testing which layers and layer combinations are most relevant for users. We have organized the layers thematically with the overarching themes being housing, ground, heat, and water. Below, we are showcasing a couple of relevant layers included in the current version and brief explanations alongside the layers.

7.5.1 Energy Labels Buildings (theme: Housing)

On this layer one will find all registered energy labels of homes in the South. These labels indicate how energy efficient a home is. This gives an indication of the extent to which residents experience effects of extreme heat or cold in their homes.

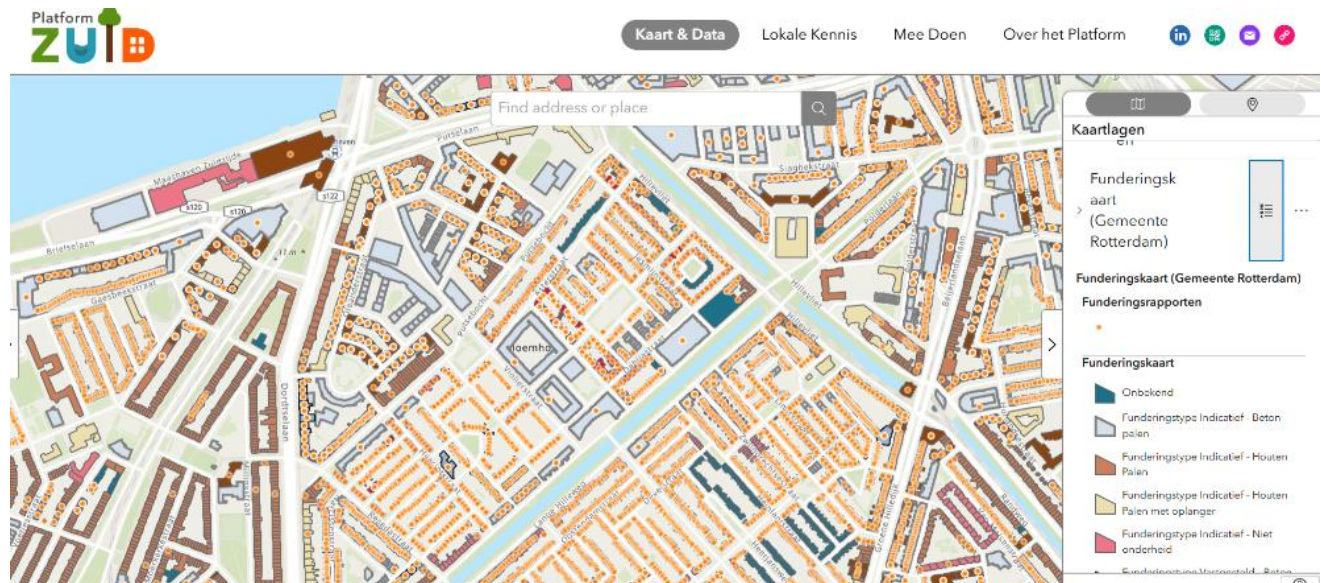
The information in this layer comes from 'Atlas Leefomgeving'. The creator of the map is the National Institute of Public Health and the Environment (RIVM). The data comes from the Rijksdienst voor Ondernemend Nederland (RvO).

In this layer one can find two sub-layers:

a) Foundation Type: This map allows you to look up the foundation type estimated by the municipality or the determined foundation type (if a report is available). The foundation type is an estimate based on year of construction, building style and experience. The data in this set is publicly available. There is also a private set.

b) Foundation Report: This layer indicates whether a foundation survey has taken place in the past and a report is available. Note: The investigations are not always recent. Therefore, the reports do not always indicate the current state of the foundation.

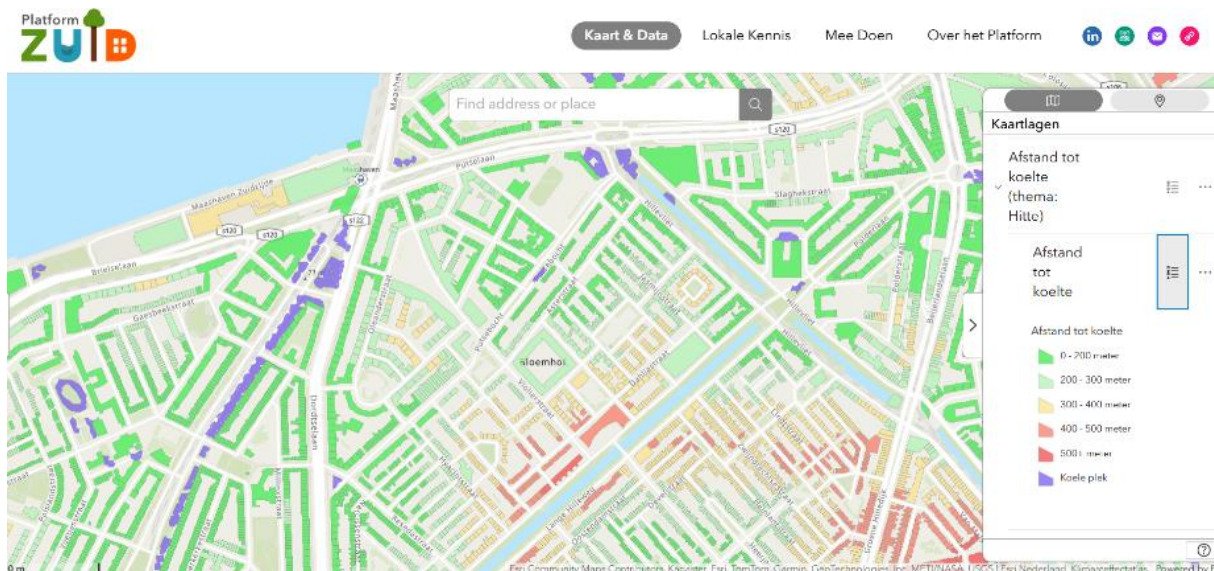
This layer is accompanied with the invitation: “want to know more about foundations in Rotterdam? Visit the City of Rotterdam's foundation desk at



5 Example foundation Map (theme: Ground)

<https://www.rotterdam.nl/funderingsloket>”

7.5.2 Distance to cool places (theme: Heat)



6. Illustration distance to cool places

During heat waves and hot summer days, it is important to be able to find cooling. Many people live in poorly insulated houses and have no shade spot nearby. Therefore, it is important to have cool places nearby where you can quickly go when the heat is hot.

This map layer shows the distance from a building to the cool spot closest to it. A cool place

means:

Size: The cool spot is a public outdoor space of at least 200m².

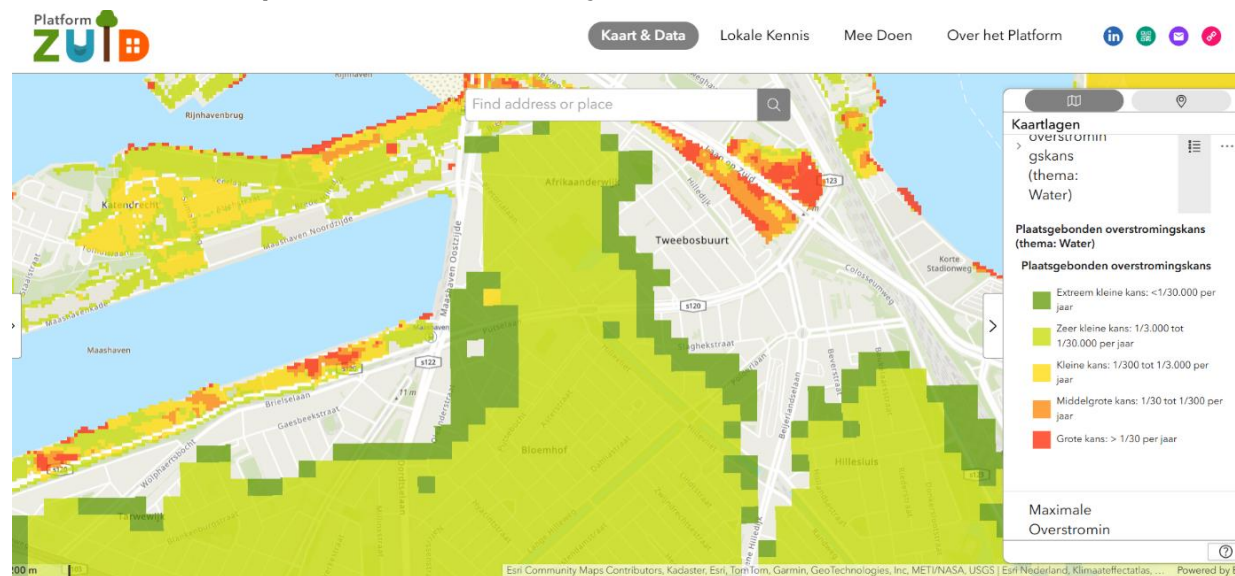
Temperature: At the cool spot, the observed temperature during a very hot day is a maximum of 35 degrees Celsius. This usually means that the place is in the shade.

Distance from roads: A cool spot has a minimum distance from roads. The higher the speed limit on a road, the farther the cool spot should be from it.

Shape: Cool spots should be wide enough. Thus, a long stretched out narrow spot does not meet the criteria for a cool spot.

The map layer is from the Climate Impact Atlas” Klimaateffectatlas. More explanation of this map layer can be found at <https://www.klimaateffectatlas.nl/nl/afstand-tot-koeltekaart>

7.5.3 Water Site-specific Flood Probability (theme: water)



8. Illustration site specific flood probability

The site-specific flood probability indicates the probability that a location will experience a particular flood in one year. Within an area there can be large differences in the probability flooding. This means that it can vary greatly from location to location whether measures are needed to mitigate the consequences of a flood.

The map layer is taken from the Climate Impact Atlas. More explanation of this map layer and how it was calculated can be found at <https://www.klimaateffectatlas.nl/nl/overstromingsrisico-en-gevolgbeperking>

7.6 FAIR principles

The dashboard upholds the FAIR principles of open science, insofar as it the data is Findable, Accessible, Interoperable, and Reusable.

Findable: the dashboard is based on data that is either already available in the public domain (e.g. Dutch government or municipality open data), or data collected by the team (e.g. RotterdamSaus) which will be stored in a trustworthy repository, DANS following our data management plan. Apart from the digital findability, we are using data interpretation workshops and other C&CP activities to enhance the findability of the platform in offline spaces.

Accessible: the platform is an open access platform that will be accessible via the C&CP project website. We further enhance accessibility by organizing and facilitating in-person interpretation sessions in fall 2025.

Interoperable: the data on which the dashboard is based upon is stored in standard formats (Excel, cvs).

Reusable: our dashboard allows for reuse for future research, learning and knowledge development.

8. Lessons learned

During the co-creation process of Platform Zuid, we continue to learn. As the dashboard evolved into a broader platform for interaction and knowledge exchange, it became clear that the process of building it is as valuable as the product itself. Through workshops, conversations, testing sessions, and partnerships with residents, researchers, and professionals, we encountered both opportunities and frictions that offered important insights. These lessons have not only shaped the technical and design choices of the platform, but also informed our broader thinking about participation, accessibility, and long-term sustainability.

Below, we outline four key takeaways that have emerged so far. These reflect both practical considerations and deeper reflections on how to create a meaningful, inclusive, and usable neighbourhood platform.

1. Importance of choosing a specific target audience. One key insight is the importance of defining and prioritising user groups early on. Local residents, researchers, and professionals engage with the platform in different ways, and their needs often diverge. What may be too technical for one group may not be technical enough for another. Rather than attempting to serve all equally, we've decided to focus the dashboard more towards residents, and see researchers and professionals as a secondary audience. This way, the platform is best positioned as a flexible entry point that guides users toward more specific (external) tools and resources.
2. Providing Context to Support Interpretation Maps and data without sufficient explanation can easily be misinterpreted, particularly on sensitive issues such as subsidence, heat, flooding, and social vulnerability. Issues that can have real life consequences, such as potentially affecting housing prices. Clear contextualisation—through descriptions, legends, and 'onboarding features' (tutorials)—is essential to ensure that users understand what they are viewing, why it matters, and how to interpret it. This transparency strengthens usability and trust.
3. Prioritising Simplicity and Usability. The dashboard's usability benefits from a clean and intuitive design. Feedback from professionals in the field has emphasised the importance of clear navigation, thematic filtering, and visible legends. Especially to serve a wide user base, simplicity in the interface is key to increasing engagement and reducing barriers to use.
4. Connecting Data with Human Stories and combining quantitative data with qualitative resident narratives enhances the platform's relevance and offers a unique contribution to existing information sources. These stories make climate risks more tangible and relatable for a broader audience. However, they are not static, and require ongoing curation, highlighting the need for clear strategies around ownership, moderation, and long-term maintenance.

9. Looking forward

After a festive soft-launch on the 1st of July including team-members, colleagues from the educational institutions of C&CP and representatives of local initiatives.

Our next steps include the following:

Collecting more feedback:

We will gather additional input from users and stakeholders to refine the platform's content, functionality, and relevance.

Adding more initiatives (citizen science) and adding more stories/projects:

We aim to enrich the platform by incorporating additional information with the help of residents showcasing diverse stories and community-led projects.

Organizing and hosting data interpretation sessions:

We plan to facilitate participatory sessions where stakeholders (locals, researchers, other relevant parties) collaboratively analyse and make sense of the data presented on the platform.

Strategizing on initiatives that would be able to take ownership of the dashboard to arrange its legacy and service to local communities:

We will explore partnerships and governance models to ensure the platform's long-term sustainability and continued value for local communities.

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