

Heidelberg



Stakeholder Mobilisation Workshop

Amt für Digitales und Informationsverarbeitung

11.12.2023

www.heidelberg.de

Agenda

13:30-13:45

Ankommen

13:45-13:50

Begrüßung

13:50-14:00

Vorstellungsrunde

14:00-14:45

Input: Intelligent Cities Challenge (Hans Teuben, Director Public Sector bei Capgemini)

14:45-15:00

Pause

15:00-15:30

Ausgangslage und erste mögliche Local Green Deals (Anna Markus, Amt für Digitales und Informationsverarbeitung)

15:30-16:00

Offene Ideenwerkstatt

16:00-16:30

Weiteres Vorgehen und Abschluss

Ziele



Gemeinsame Informationsbasis zur Intelligent Cities Challenge



Klarheit: Was ist ein Local Green Deal?



Weitere Ideen und Anregungen für zukünftige Projekte

Local stakeholder event

December 2023

11/12/2023

First there was DCC: Digital Cities Challenge. Key objective was to push digitization of cities. They were lagging behind the private sector
Find opportunities and reduce risks and threats: develop frameworks, methodologies and build solutions such as open data platforms etc
ICC's objective connect the digital development to the policy domains: the Twin Transition or how can digital solutions and data help to analyze and work on societal challenges

Cities are key in the green transition as most people live in cities and the ecological footprint per capita is higher in cities than in rural areas
ICC is developed by DG GROW and operated by EISMEA: comparable to the department for Economic Affairs

In ICC2.0 the focus is on developing and implementing Local Green Deals (or LGDs) with private companies, (semi)governments

Key challenge: to connect the digital department to the policy domains such as mobility, environment, energy, urban planning, *and* to the private sector

ICC is operated by a large consortium including Capgemini



The digital and sustainable transitions are conditional to each other. The EC Joint Research Centre defines this as Twin Transitions¹

DIGITALE TRANSITIONS

use digitale technology to address societal challenges for analysis and solutioning purposes



Data

Smart urban planning and improving air quality based on data and insights



Tooling

Digital twinning
Urban data platforms
City support centers



Organisational

Skills
Governance
Digital innovation
Transformation
Data driven w.o.w.



Processes

Integrate sustainability into all processes such as procurement, ICT and HR but also in all policy domains



AI

Ethical use of AI for governmental work



TWIN TRANSITION

Sustainable & digital transition woven into the organisational DNA with unique accents accents for every governmental body



SUSTAINABLE TRANSITIONS

Housing
Urban development
Energy
Mobility
Circular etc



Klimaat adaptation



Energy transition



Emission reduction



Circular economy



Sustainable mobility



Agriculture and food system



Housing shortage



Improve biodiversity

Explore city's sectors of interest and priorities

Mobilise stakeholders from across city ecosystem (incl. industry, business, business associations and civil society) and provide them with a clear view of the ICC goals

Spark community-wide enthusiasm

Identify the (potential) Local Green Deals that would fit Heidelberg

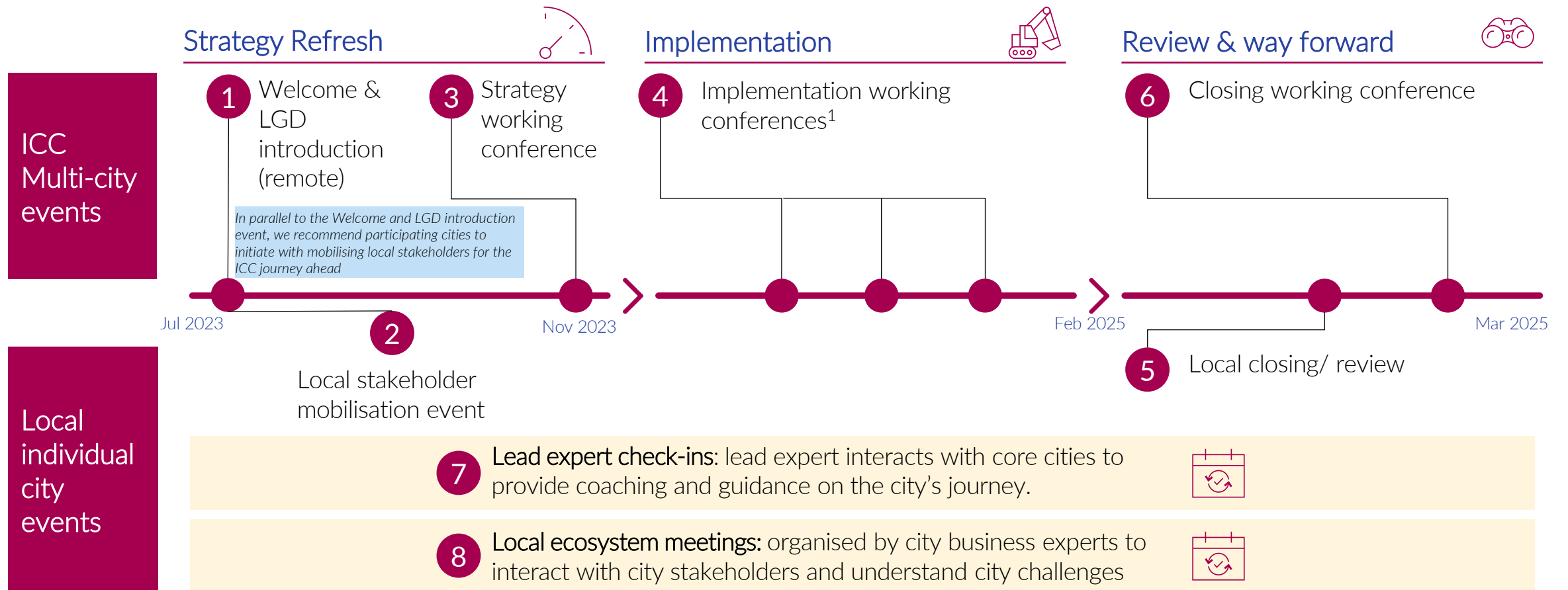
Establish deadlines and deliverables aligned with ICC timeline

Assign responsibilities to relevant stakeholders

Review current city strategy in preparation for the multi-city Strategy city lab



Programme overview – Envisaged: 6 formal events for the ICC programme and lead expert check ins, plus local ecosystem meetings



1. Frequency and set-up (in-person/remote) of each working conference to be confirmed

Intelligent Cities Challenge potential achievements for cities

What will cities have achieved at the end of the ICC?



Several Local Green Deals successfully implemented for the cities

Cities will initiate **Local Green Deals** in collaboration with local business and civil society: in order to finalise LGD partnerships, cities will have to **unlock financing** (including private sector) and **procurement challenges** with guidance provided by the ICC Programme.



Capabilities in place that allow cities to scale solutions and build new ones

By creating partnerships across local stakeholders and businesses, cities will build a network capable of harnessing the power of **cutting-edge tech and digital** while improving a city's **economic competitiveness, social resilience** and the European citizens' **quality of life**.

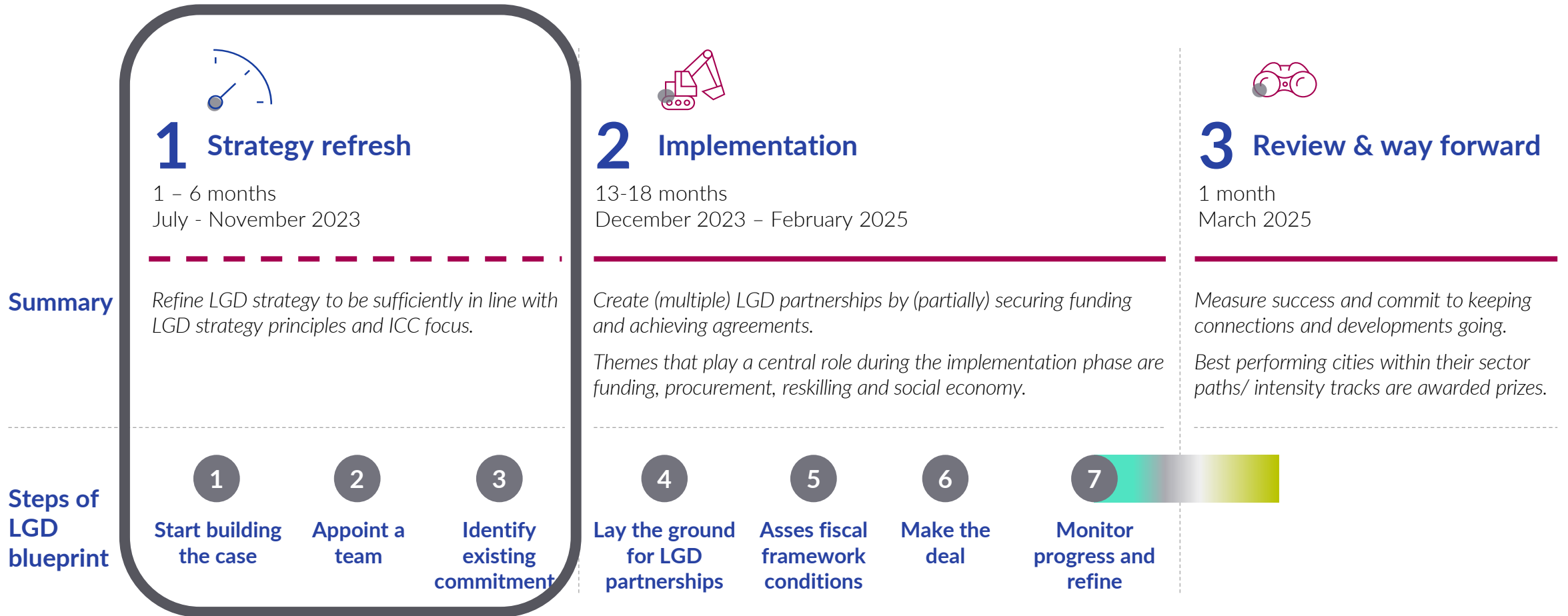


Strong community network of peer cities, experts and ecosystem partners

Through individual and multi-city events, cities will become part of a network of **high-performing cities and world leaders** around innovation and collaboration working towards the SDGs.

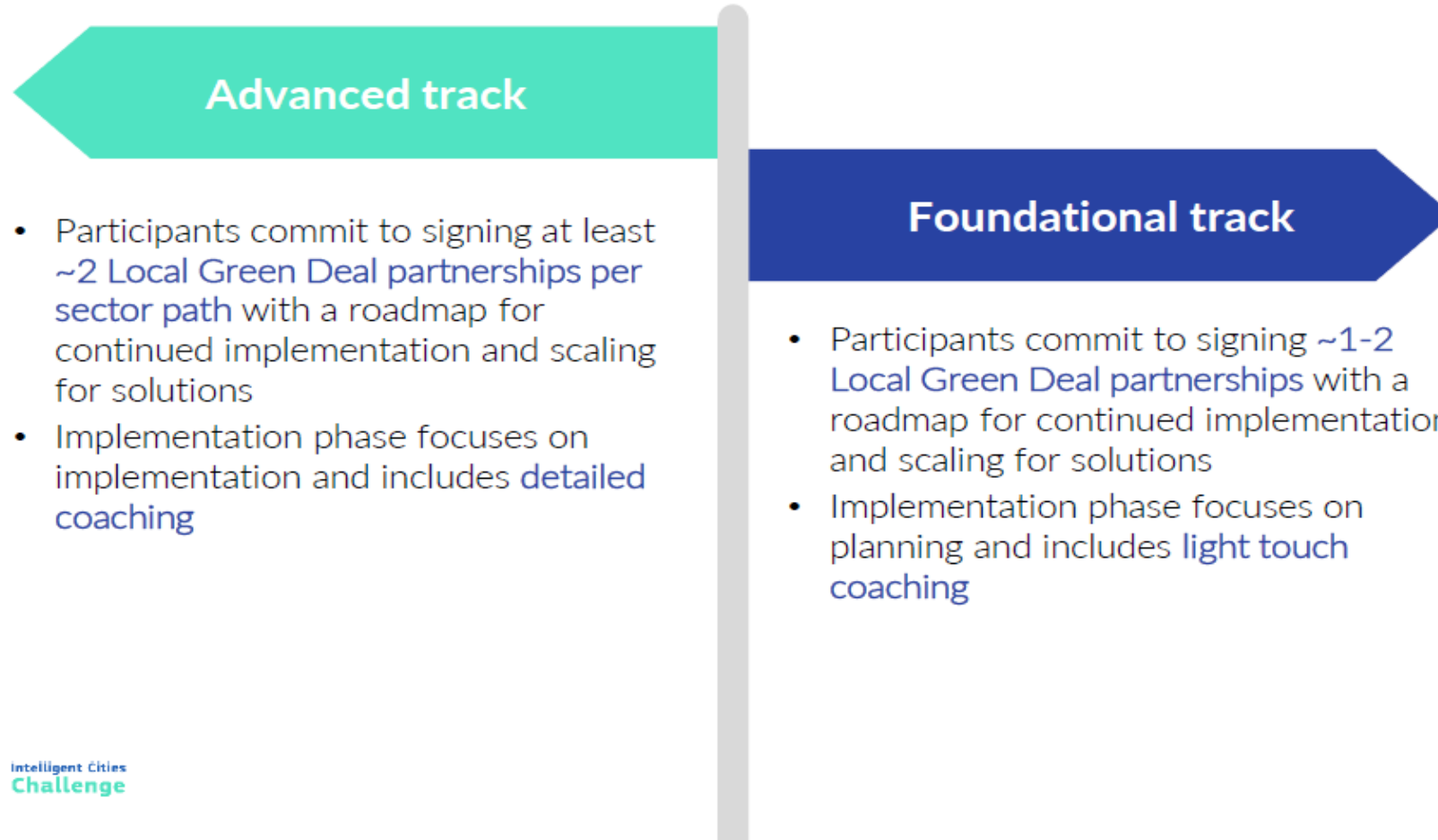


Where are we now in the process?



The publication **Local Green Deal – A Blueprint for Action** can be accessed [through this link](#)

ICC offer two tracks of participation intensity. Advanced track also gets more support



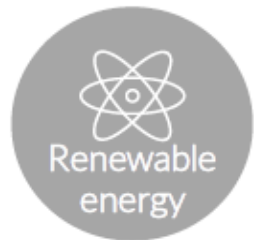
Key take-aways

- The ICC offers 2 intensity tracks when the programme goes into the Implementation phase
- The tracks contain the same events, sectors, and role structure
- Together with the lead expert, cities can assess during the Strategy Refresh phase which track is **most suitable**
- If, in a later stage, a city can gain more from moving to the other track, it is possible to switch

ICC can support cities to tackle green and digital challenges across a range of sectors: 3 core sectors and 2 additional sectors.

A sector path is a package of facilitated guidance to cities around one sector through a series of events, experts and content provided during ICC 2.0.

Core ICC sectors



Implementing renewable energy at large scale



Implementing innovative transport solutions for the urban area



Green and digital transformation of construction industry and built environment



Additional ICC sectors



Tourism



Culture & Creative

Key considerations

- Cities can participate in several sector paths. This requires cities to commit to at least 2 LGD partnerships per path, to ensure resources are dedicated to action through concrete LGD partnerships
- Working groups will be organised within the main sector paths to accommodate different thematic areas (e.g., micro-mobility, last-mile delivery, supply chain, tourist mobility)
- Sector paths and working groups will require a threshold number of cities to demonstrate programme impact

There are also more generic themes that you can get support on



Funding

Through the funding theme, ICC helps cities unlock different financing opportunities to enable the implementation of Local Green Deals.



Procurement

The procurement theme guides cities on achieving sustainable competitiveness of local businesses when implementing LGD partnerships.



Reskilling

The reskilling theme focusses on how cities can reeducate their local, existing workforce to prepare them for a switch to green and digital jobs.



Social economy

The social economy theme seeks to leverage the value of social business models that put people first, producing a positive impact on the community.

The themes are weaved into different ICC programme elements



Roles

Thematic experts will coach cities and provide training on the four themes.



Events

During the implementation phase, multiple activities are organised around the topics of the themes, e.g., training on unlocking funding, coaching on implementing social economy principles.



Content

Extensive materials are provided, outlining best practices identified across sectors.



Recap: Why Local Green Deals?

Governance innovation responding to the implementation gap



(Partly) done:

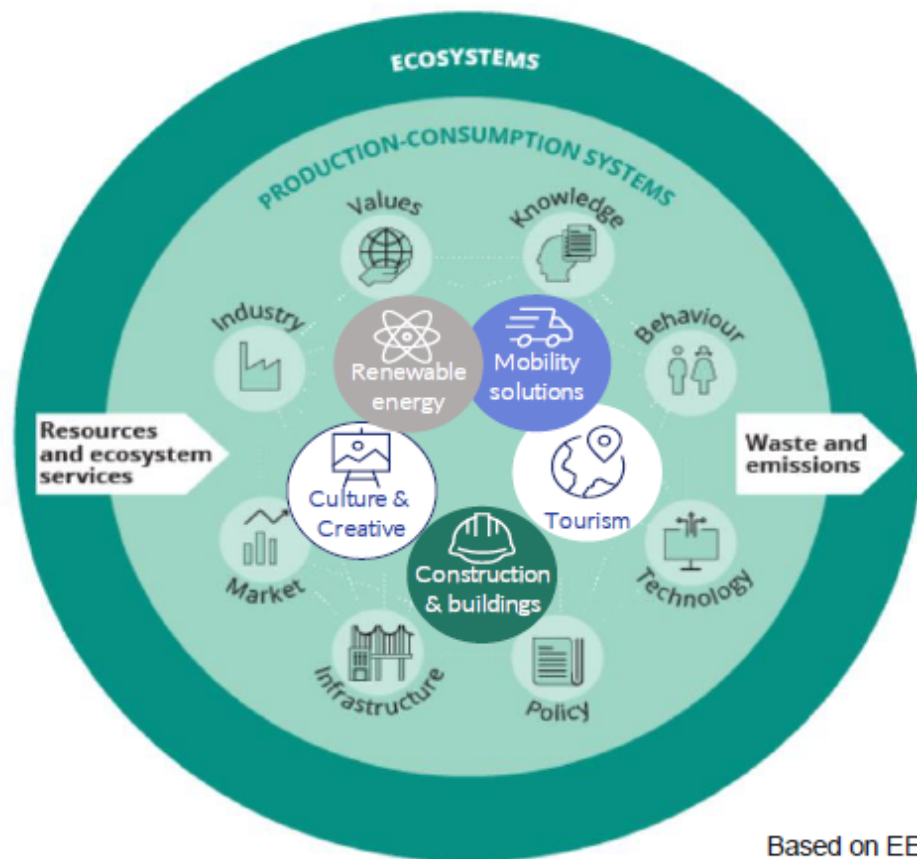
- ✓ Low-hanging fruits
- ✓ Actions with direct control, e.g. on city property / public organisations

Still to do:

- Actions without direct control, i.e. industries and businesses' footprint
- Private households' footprint
- National government-controlled infrastructures or sector-policies

Deepening: Why Local Green Deals?

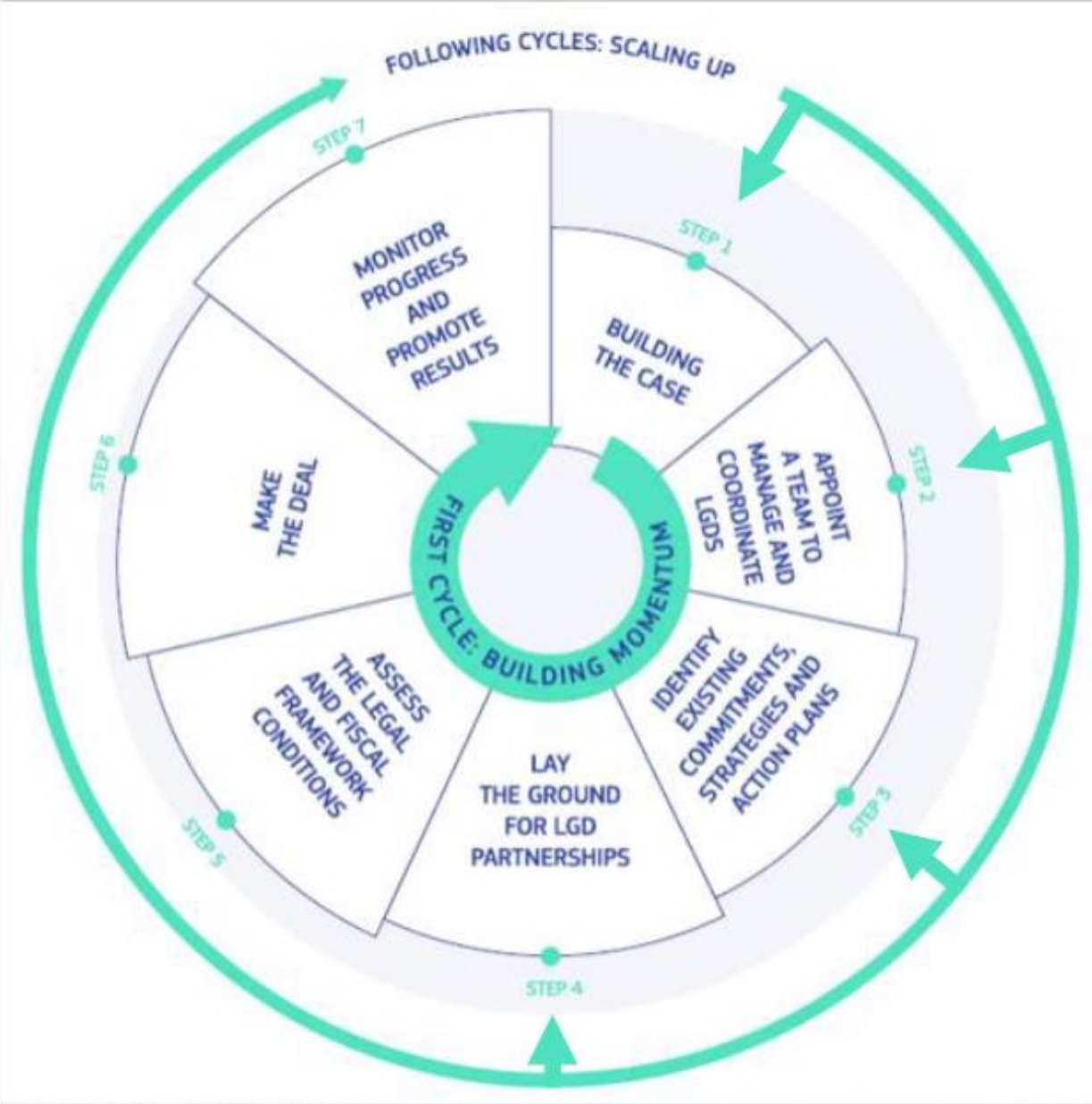
What is different here



Based on EEA (2014)

Systemic change thus entails major shifts and reorientation in:

- i. goals,
- ii. incentives,
- iii. technologies,
- iv. social practices and norms,
- v. as well as in knowledge systems,
- vi. and governance approaches.



Deepening: Why Local Green Deals?

What is different here – what is the same?



Governance



Partnership



Integrated goals



Action

“Transition management instead of project management” (NZC)



European Commission

The Intelligent Cities Challenge is funded by the Single Market Programme



Thank you!

We are looking forward to collaborate with you on the ICC journey!

Hintergrund

Hintergrund: Intelligent Cities Challenge 1.0

Intelligent Cities Challenge 1.0

- 2020-2022
- Formelle Teilnahme der Stadt Heidelberg
- Fokus: Breitbandausbau
- Leitung: Claus Wichmann

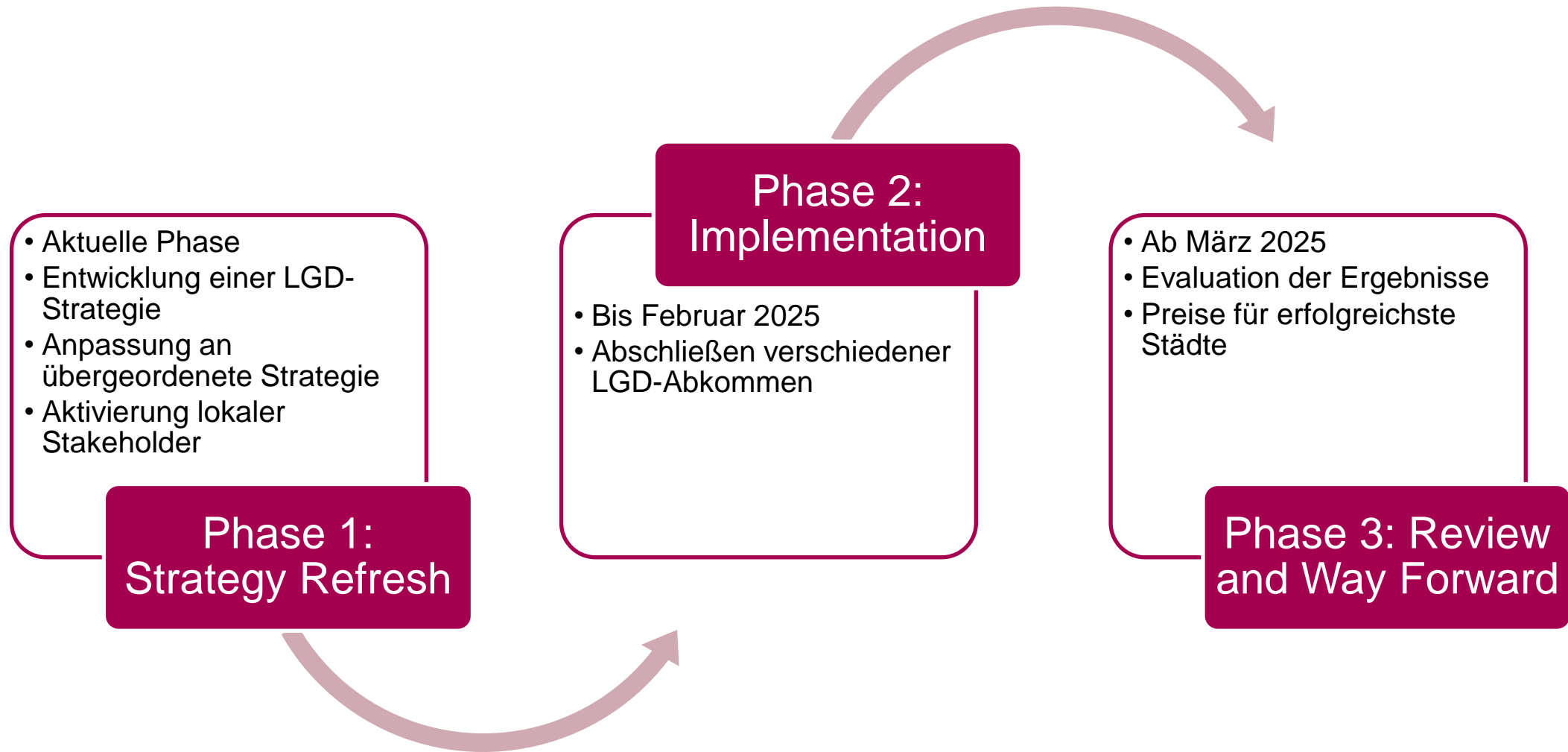
Intelligent Cities Challenge 2.0

- 2023-2025
- Ziel: Abschluss von Local Green Deals
- Basierend auf "Mannheim Message"
- Mindestens zwei Local Green Deals pro Sector Path
- Koordination: Amt für Digitales

100 Climate Neutral Cities by 2030

- Eine von fünf "EU Missions" zur Umsetzung des European Green Deals
- Ziel: Climate City Contract
- Plan zur Erreichung der Klimaneutralität
- Voraussetzung für EU Missions Label
- Leitung: Umweltamt

Intelligent Cities Challenge 2.0



Hintergrund: Intelligent Cities Challenge



Stärkung lokaler Wirtschaft



Ökologische Transformation



Einsatz digitaler Mittel



Umsetzung des "European Green Deal"

Vorteile für lokale Stakeholder



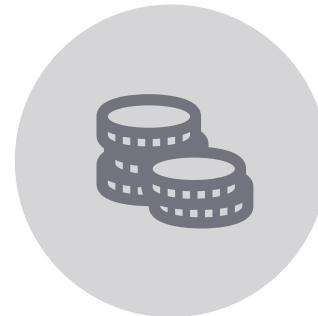
Intelligent Cities Challenge als Rahmen für neue Kooperationsmöglichkeiten innerhalb der Stadt



Local Green Deal als öffentlichkeitswirksames Zeichen zum Commitment für Klimaschutz und Nachhaltigkeit



Möglichkeit zum weiteren Vernetzen mit anderen Städten aus ICC-Netzwerk



Erleichterter Zugang zu zukünftigen EU-Fördermitteln

Organisation

Organisation: Mögliche Modelle

Vorbild Mannheim

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THE LOCAL GREEN DEAL NEEDS A STRUCTURE



Quelle: Intelligent Cities Challenge Welcome Session 06.09.2023

Das Team: Local Green Deal Steering Group

Amt für Digitales und Informationsverarbeitung (Koordination und Leitung)

- Dr. Philipp Lechleiter
- Anna Markus
- Jessica Zöller

Amt für Umweltschutz, Gewerbeaufsicht und Energie

- Astrid Damer

Amt für Mobilität

- Sebastian Gieler

Digital-Agentur

- Sebastian Warkentin

Organisation: Mögliche Modelle

Amt für Digitales

- Koordination
- Kontakt zur EU
- Umsetzung eigener Local Green Deals
- Unterstützung bei Formulierung

Ämter für Mobilität und Umwelt

- Aktivierung eigener Netzwerke
- Einbringen von Ideen
- Umsetzung jeweils eigener Local Green Deals

Führungsebene

- Strategische Einbettung
- Anpassung an übergeordnete Ziele

Lokale Stakeholder

- Ideen für Kooperationen entwickeln
- Umsetzung
- Feedback
- Öffentlichkeit

Ausgangslage

Ausgangslage: Digitale Leitlinien

Fünf Grundpfeiler



Digitale
Haltung



Nachhaltigkeit
und
Klimaschutz



Bildung &
soziale
Teilhabe

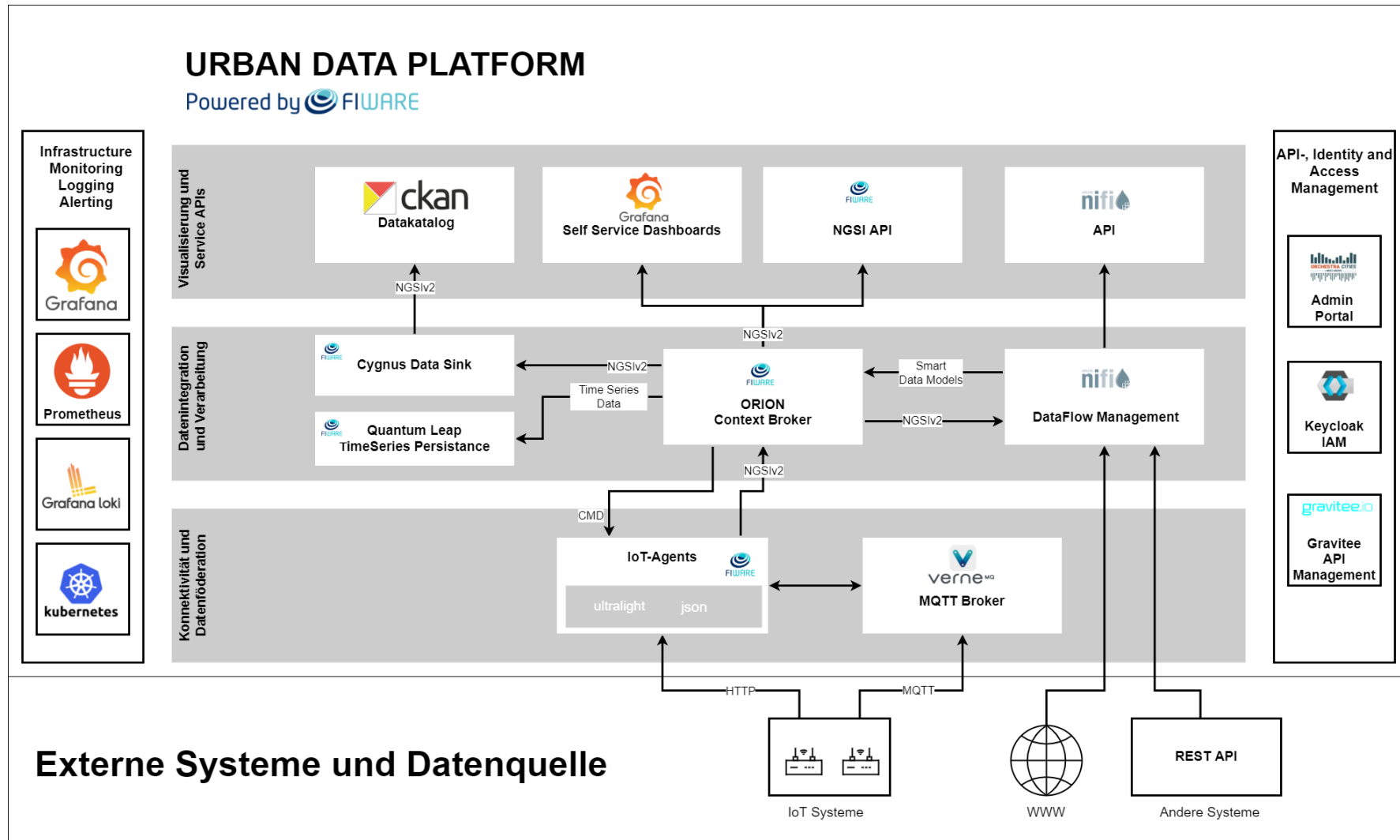


Bürger-
beteiligung &
Kooperation




Offene
Datenkultur

Ausgangslage: Die Urbane Datenplattform als zentrale Infrastruktur




Ausgangslage: Dashboards

 **Bürgerportal der Stadt Heidelberg**

Bürgerservices

Alle Services auf einen Blick. Wobei können wir Sie unterstützen? Finden Sie hier den schnellsten Weg zum Ziel.


Serviceübersicht öffnen



Mobilität

Aktuelle Zahlen & interessante Fakten über die Mobilitätslage in Heidelberg.

Live-Dashboard öffnen



Klimakompass Heidelberg

Aktuelle Zahlen & interessante Fakten über die Wetterlage und mikroklimatische Situation in Heidelberg.


Klimakompass öffnen



Mehr Informationen zum Bürgerportal

Hier finden Sie weitere Informationen zum Bürgerportal der Stadt Heidelberg.

Weitere Informationen



Aktuell

 **32°**

Teilweise tagsüber bewölkt
leichte Brise aus Nordwest

Letzte Aktualisierung:
10.7.2023, 15:00:00


Aktueller Niederschlag	0 mm
Luftfeuchtigkeit	-
Windgeschwindigkeit	2 km/h
Sonnenuntergang	21:32 Uhr

Weitere interessante Wetterinformationen gibt es [hier](#).





Das Open Data Portal der Stadt Heidelberg


[Mehr erfahren](#)



MeinHeidelberg

Laden Sie sich die App der Stadt Heidelberg auf Ihr Smartphone.

-  [Google Play Store](#)
-  [Apple AppStore](#)



Heidelberg

Stadt Heidelberg

Hier finden Sie die Social Media-Kanäle der Stadt Heidelberg auf einen Blick.

Mögliche Local Green Deals

Digitaler Datenputz

- Aktion der Corporate Digital Responsibility Initiative
- In diesem Jahr erster Testballon innerhalb der Stadtverwaltung
- Informationsangebot (Checklisten und Präsentationen) wurde bereits erstellt
- 2024: Teilnahme ausweiten auf interessierte Unternehmen, Auftaktveranstaltung in Person, Ergänzung um Begleitangebote für Bürger/-innen



Reduktion von Datenmenge in E-Mail Postfächern und auf Ablagen



Aufmerksamkeit schaffen für die Verknüpfung zwischen Nachhaltigkeit und datensparsamen Arbeiten



Konkrete Tipps für die Arbeit, z.B. mit Outlook oder bei Videokonferenzen

MeinHeidelberg-App



- Informationsangebot für Bürgerinnen und Bürger
- Aktuell z.B. bereits zeitgenaue Informationen zur Parkhausbelegung
- Könnte ergänzt werden um:
 - Interaktive Karte der Fahrradreparaturstationen
 - Weitere Fußgänger- oder Fahrradtouren für Tourist/-innen
 - Aktualisierter Tausch- und Verschenkenmarkt

Aktuelle und geplante Projekte der Digital-Agentur

Mögliche Local Green Deals

Anbindung des
Verkehrsleitrechners
an die Urbane
Datenplattform

Klimakompass

Parken.de

Bedarfsorientierte
Stadtgrünpflege

Smart Metering

...

Digitaler Energie-Zwilling

Partner: Digital-Agentur und Stadtwerke

- Abbildung des Heidelberger Energie- und Wärmenetzes als Digitaler Zwilling
- Ermöglicht Simulationen, um Engpässe und mögliche Versorgungslücken zu identifizieren
- Hilft bei der Identifikation von Einsparungspotentialen
- Bessere Planung zur Nutzung von Fernwärme und Abwärme
- **Voraussetzung:** kontinuierlicher Ausbau des Smart Meterings

Smarte Besucherführung

Partner: Metropolregion Rhein-Neckar, Digital-Agentur, VRN, RNV

- Optimierung von Verkehrsströmen bei Großveranstaltungen auf Basis von Besuchszähler-Sensoren und Mobilfunkdaten
- Für wiederholte Großveranstaltungen (z.B. Heidelberger Herbst) kann das Verkehrsangebot auf Basis von zeitaktuellen Informationen angepasst werden
- Bedarfsgenaues Verkehrsangebot spart Ressourcen, z.B. durch die Vermeidung unnötiger Fahrten

Weitere Ideen

Weitere Ideen



Seilbahn
Neuenheimer Feld



Überarbeitung
des Tausch- und
Verschenkenmarkts

Abfallberatung
virtuell



Energiemonitoring
städtischer
Gebäude

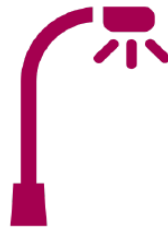


Logistik-
Verteilungszentren
in der Altstadt



Ausbau von
Anreizen für
Recycling

Smart Lighting auf
Radwegen



Fahrrad-
Reparaturkurse



Quellen

- European Commission, Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs, Executive Agency for Small and Medium-sized Enterprises, Durieux, E., Hidson, M. (2021) *Local green deals : a blueprint for action : the European Commission's 100 intelligent cities challenge*. Publications Office. <https://data.europa.eu/doi/10.2826/94389>
- ICLEI Europe ed., (2022). *Same, Same, but Different: clarifying the relationship between Local Green Deals and Climate City Contracts as non-regulatory governance innovations*. [online] ICLEI Europe. Freiburg im Breisgau: ICLEI Europe. Available at: <https://iclei-europe.org/publications-tools/?c=search&uid=Cv3FONcp> [Accessed 5 Dec. 2023].

Vielen Dank

Amt für Digitales und
Informationsverarbeitung
Abteilung Digitale Stadt

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Zielvorstellungen der EU-Kommission

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Key Messages

Key Messages: Energy

- The ICC aspires to helping cities expand their renewables energy share through participation in key projects.
- The ICC aims to promote and ease the decarbonisation of district heating by shifting networks to renewable energy solutions.
- This core sector is dedicated to help cities work on circular waste heat opportunities from business to district heating network.
- The ICC is keen on supporting cities in their energy share shift to increase the usage of renewable energy.
- The ICC is focused on helping cities implementing renewable energy at large scale.
- With the support from the ICC, cities are working on implementing a local sustainable energy system through the installation of community solar gardens, energy cooperatives, and much more.
- Throughout the ICC programme, cities are dedicated to work on the citizens' education to ultimately promote behavioural changes within the energy sector.

Key Messages: Mobility and Transport

- The ICC and all its actors are focused on shifting cities transport to micro mobility solutions.
- Within the mobility and transport core sector, the electrification of road transport is one of the key priorities for the ICC.
- The ICC is keen on helping cities improve accessibility with new urban infrastructure, including via the expansion of already existing public transportation solutions but also through the implementation of new green infrastructure.
- This core sector is dedicated to help cities implementing innovative transport solutions for the urban area.
- ICC cities are dedicated to work on improving the **digital and smart mobility of cities**. On this topic, cities will be supported by the ICC programme to develop autonomous vehicles or **smart traffic management systems** project, among others.

Key Messages: Built Environment & Construction

- The ICC prepares participating cities in the Green and Digital transformation of the construction industry and built environment.
- The ICC supports cities in building renovations accounting for the necessary green considerations, including green design and architecture.
- The ICC seeks to support cities in working on their urban planning to ease the mixed-use space utilisation but also to promote the development of pedestrian-friendly urban spaces.
- Throughout the course of the programme, the ICC is determined to push cities to work on the energy efficiency of their buildings for instance through the usage of high-performance glazing and insulation, energy-efficient HVAC systems, and more.
- Overall, the ICC programme supports city across all topics linked to sustainable construction. To this aim, cities will put in place systems to improve materials and waste management, increase the usage of recycled and upcycled materials and many other systems.
- In addition, cities will be helped by the ICC to work on the heritage and conservation of historic buildings, through the upskilling of restoration techniques but also, and not only, cultural and heritage impact assessments.

Key Messages: Tourism

- The ICC programme seeks to support cities to work on improving the sustainable aspects of tourism.
- The ICC is keen on supporting cities to develop digital tool and infrastructure for tourism in order to better inform and promote cultural assets. [sic]
- The ICC is set on helping cities foster data management through open tourism data and platforms but also to improve data sharing.
- The ICC programme is dedicated to help cities improve the cultural and tourism heritage of their cities through supporting them with digital archiving and documentation projects.

Key Messages: Culture and Creative Sectors

- The ICC programme is set on supporting cities to help creative entrepreneurs develop their projects by opening incubators and accelerators.
- ICC cities are supported to develop digital art and the use of technology to increase the number of virtual and augmented reality usage in arts.
- With ICC, cities are supported in developing their arts and performance programmes, including community arts initiatives.
- The ICC is keen on supporting local development and initiatives in the media and design area.
- The ICC aspires to help cities developing and promoting the publishing sector and more generally the literature domain, notably by supporting the opening of libraries.

Source: Communications Guidelines for cities, November 2023

Hintergrund: 100 Climate Neutral Cities by 2030

- Eine von fünf EU-"Missions" zur Umsetzung des European Green Deals
- Neuerung im Rahmen des Forschungs- und Innovationsprogramms Horizon Europe (2021-2027)
- Ziel: Forschung, Innovation, neue Formen von Governance, Kooperation, und Bürgerbeteiligung
- Mittel: Climate City Contracts (CCC), Plan zur Erreichung der Klimaneutralität unter Einbezug von Bürgerschaft, Forschungseinrichtungen und privatem Sektor
- Vertrag besteht aus drei Komponenten: Commitments, Action Plan und Investment Plan
- Climate City Contract ist Voraussetzung für "EU Missions Label"

Hintergrund: Local Green Deals

- 2020: Stadt Mannheim entwickelt gemeinsam mit ICLEI Local Green Deals als Teil der "Mannheim Message"
- Gleichzeitig: European Committee of the Regions startet "Green Deal Going Local"-Initiative
- Ziel: Städte und Regionen aktivieren und Potential beim Wandel zur Klimaneutralität nutzen

- Lessons Learnt (Mannheim):
 - Einbezug aller Fachämter und politischer Führung notwendig
 - "Co-Benefits" und "Shared Vision" zentral
 - Ownership des Deals muss bei Stakeholdern liegen, nicht bei Verwaltung