

Welcome!

**Recording will
start soon**

**Please agree
in the chat**

**Usual
housekeeping**



**URBAN
OCTOBER
AT GIZ**



Smart Cities and Twin Transition

Examples from Asia and beyond

Transformation – Urban Opportunities – Climate Change (TUrbOCLiC)

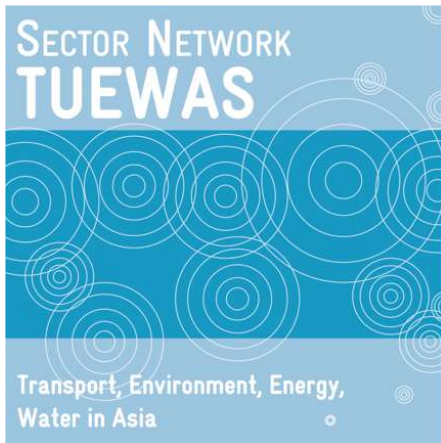
GIZ Sectoral Department (FMB) for Democracy, Digital Governance, Urban Development

Climate Smart Cities India (CSC)

International Smart Cities Network (ISCN)

Experts Fund for Municipal Partnerships Worldwide (Experts for Partners)

Transformation - Urban Opportunities - Climate Change



Cross-sectoral group at the interface of governance and climate change, environment, infrastructure in Asia

Collaborating since 2009

Sebastian Markart
(CSC, India)

WG Speaker

TUEWAS



Ishtiuq Hossain
(ACCNLDP II,
Bangladesh)

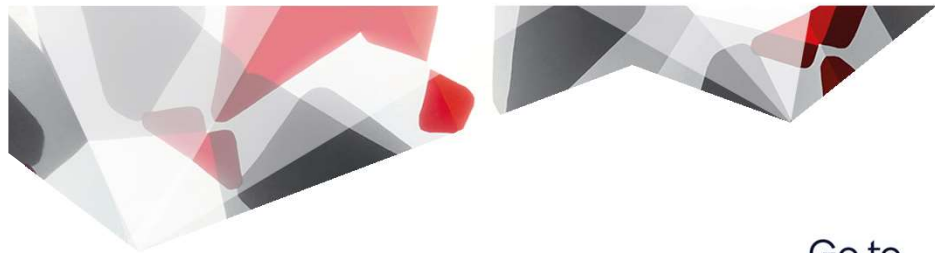
WG Speaker
SNGA





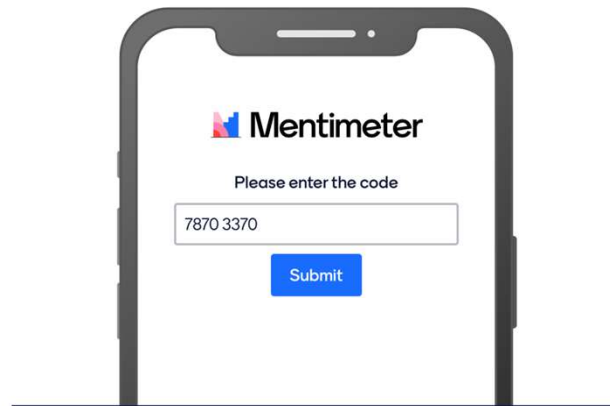
Agenda

- **Welcome and check-in**
- **GIZ Smart Cities Papier – Background, learnings and next steps - Phillip Reviere**, Planning Officer – FMB 4C30
- **Making cities climate smart - digital solutions in India – Liju Mathew**, Technical Expert – Climate Smart Cities (CSC)
- **Digitalization of Local Markets through Citizen-Centred Innovation - Peter Sailer**, Head of Project - International Smart Cities Network (ISCN)
- **Smart Cities through municipal partnerships – examples from Indonesia and Palestine - Kariem El-Ali**, Integrated Expert, Smart City, Indonesia; **Ibrahim Anastas**, Local Expert, municipal geoinformation systems, Palestinian territories – Experts Funds Project
- **Joint discussion**



Check-in

Go to
www.menti.com



Enter the code
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Or use QR code

Smart Cities: A Citizen-Centric Approach

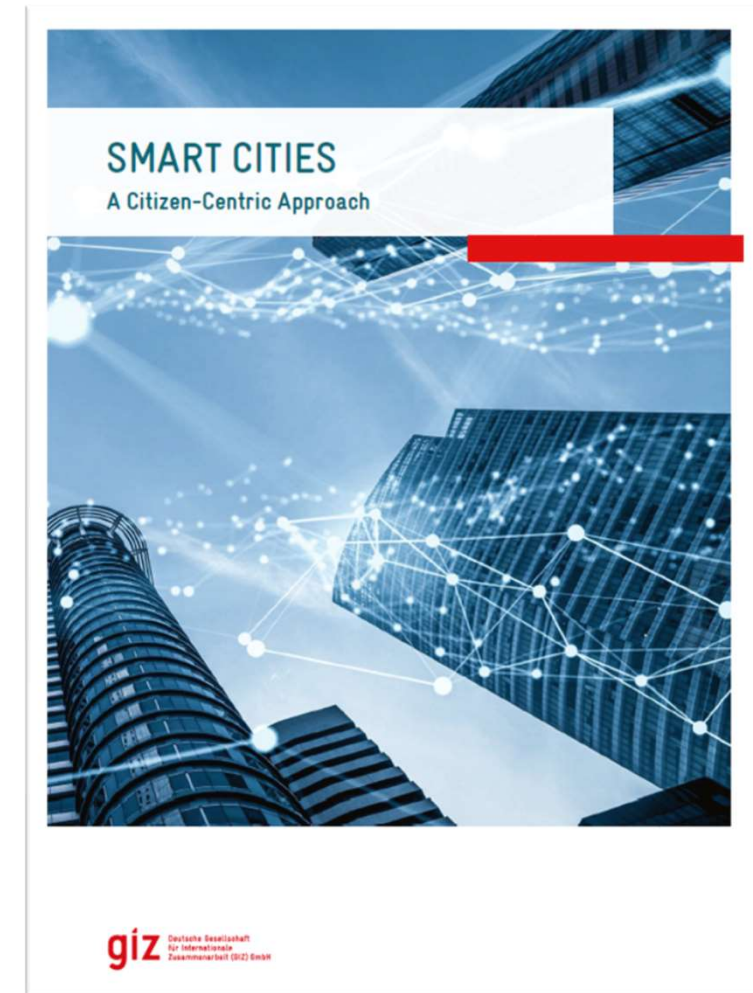
Phillip Reviere

GIZ Sectoral Department (FMB)



Context

- Smart Cities brings together **two mega trends**: digitalisation and urbanisation
- **Until the publication of this paper there was no positioning on this topic**
 - Despite roughly 15 projects working in the areas of smart cities in the last 3 years
 - And despite a dozen articles and papers having been published on the subject in the past 10 years
- It took **nearly 2 years** to publish this paper
 - Why did it take so long?
 - Due to the subject matter, a large number of stakeholders had to be involved
 - Internal drafting between end of 2020 and summer 2021
 - Internal and external quality control until early 2022
 - Some hiccups (☺) in the editing/design until September
- There is significant GIZ literature on Smart Cities: we prioritized **consolidating existing information** rather than drafting something “new”



Content



- **Objective:** a consistent GIZ position on smart cities
- **Target audience:** within GIZ, funding and commissioning parties and partner institutions
- „Definition“ for GIZ on smart cities:
 - *“GIZ understands smart cities as being characterised by the wide use of technologies in potentially all sectors in the city (...) GIZ adopts an inclusive definition of smart cities, based on the needs and priorities of our funding agencies“*
- **Challenges & potential smart cities solutions** for Cities
 - 1. Environmental, 2. Social, 3. Economic

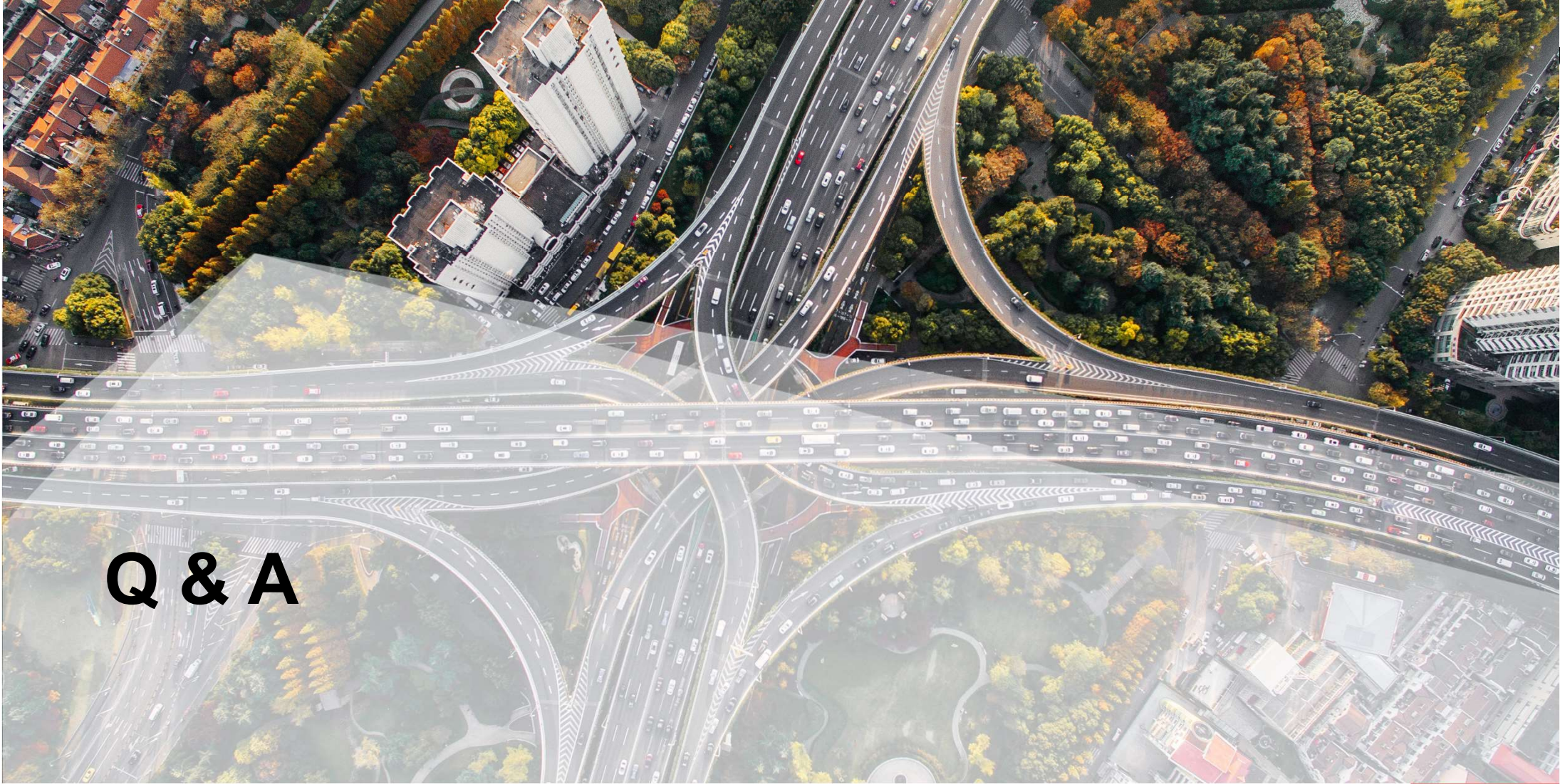
Content

- **GIZ's role**
 - „focus on strategic, technical policy and governance-related support surrounding these [smart cities] solutions“
- **What we offer**
 - E-governance, E-participation, Open Data & Open Government, integrated urban development, reducing the digital divide and supporting vulnerable groups, implementing the 2030 Agenda, incorporating cyber security standards in digital solutions
- **Highlight projects**
- **Annexes:** 1) Overview of GIZ smart cities literature, 2) overview of GIZ smart cities projects/approaches in projects, 3) overview of commissioning parties' smart cities approaches



Smart Cities & Twin Transition

- Smart cities are digital and should be green
- Literature looking at these two subjects is underdeveloped in part due to smart cities being an „older“ term (vs. twin transition as a „newer“ term)
- Greenifying the smart city is crucial as digital advancement is often incredibly resource and energy intense
- The crucial question: **why is twin transition necessary?**
 - Can learn from modern smart cities approaches: citizen-orientation as the missing ingredient



Q & A

Making cities climate smart - digital solutions in India

Liju Mathew

Climate Smart Cities



Climate Smart Cities (CSC) Project

Objective:

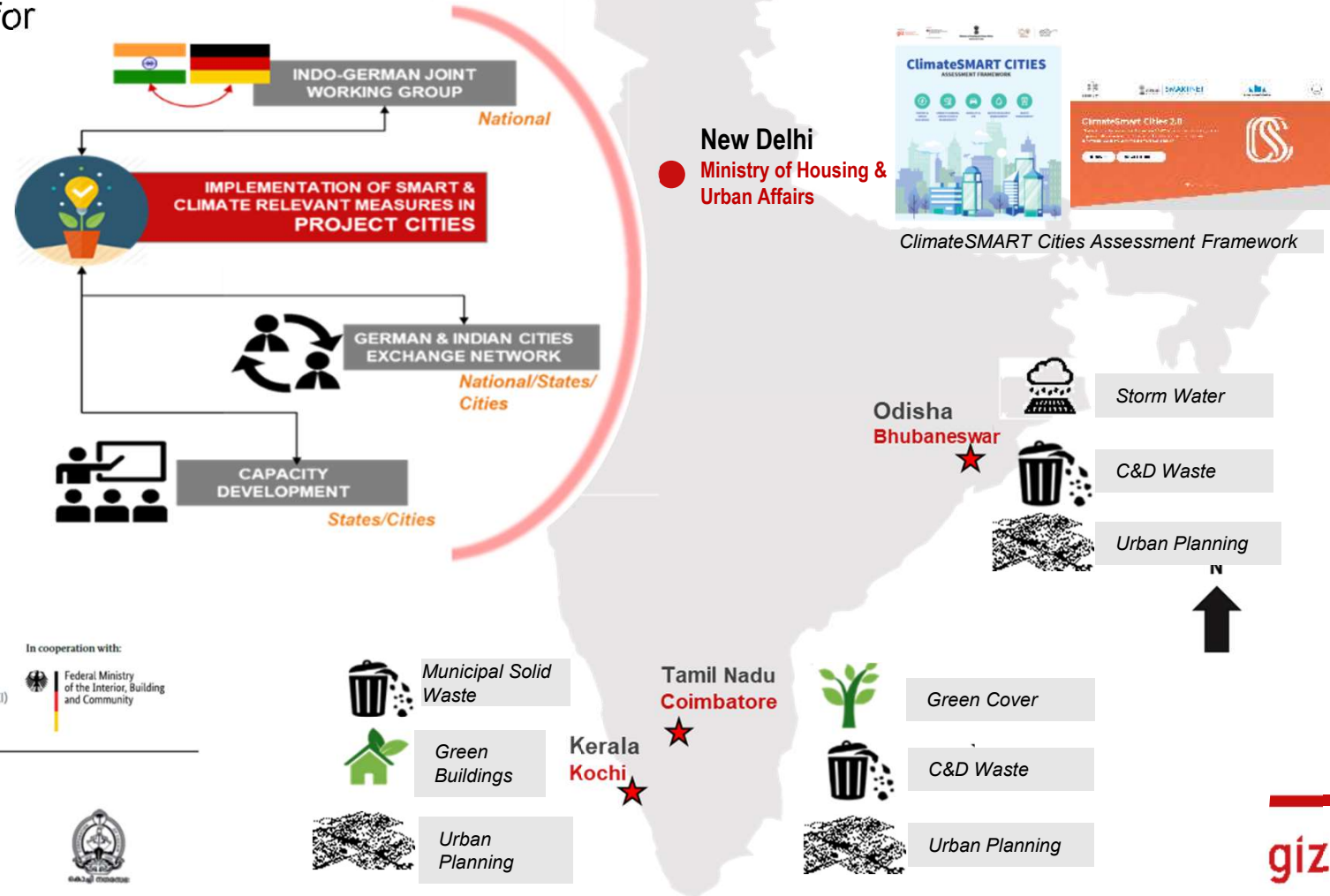
Anchor climate-friendly solutions for urban infrastructure projects and area-based development in planning and implementation of Smart Cities

Duration:

June 2018 to Nov 2022

Implementation Partners:

NIUA; DIFU; TU Berlin



Implemented by:



On behalf of:



In cooperation with:

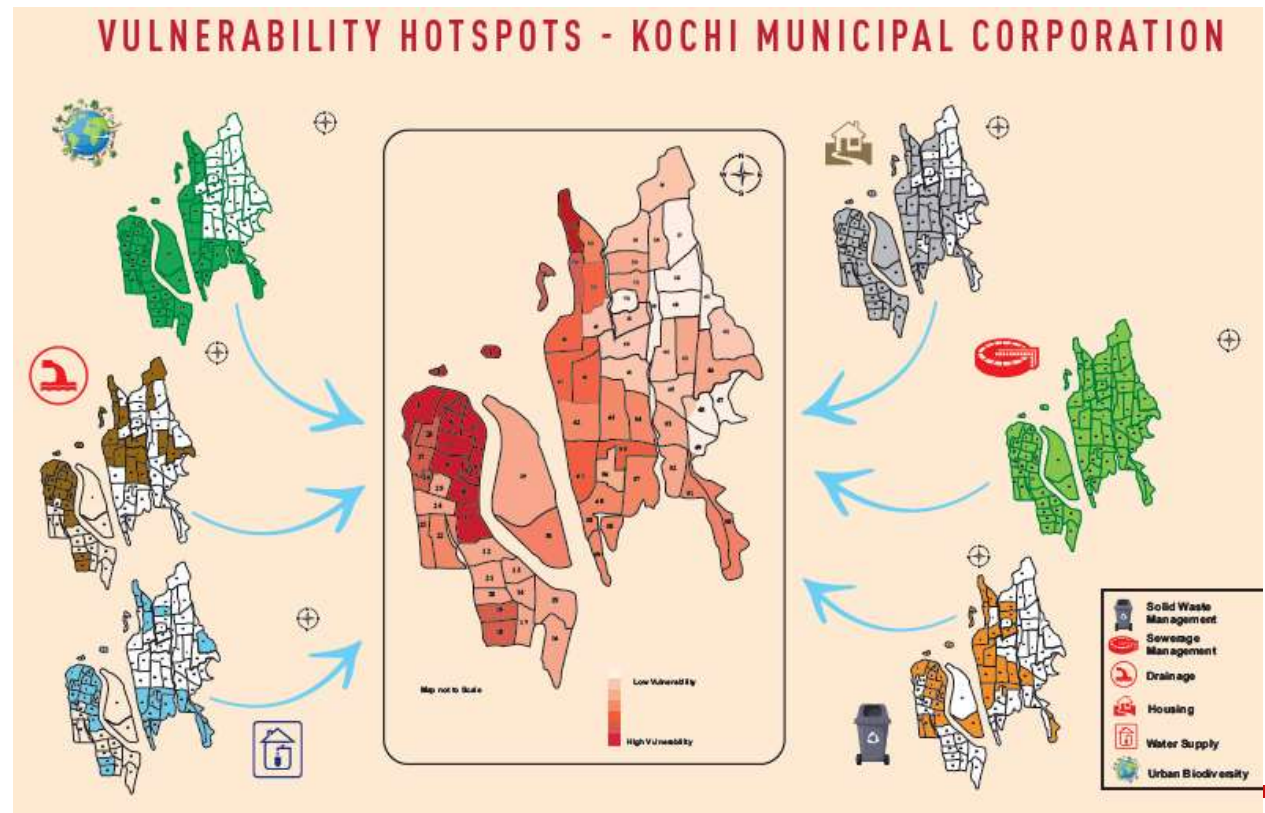
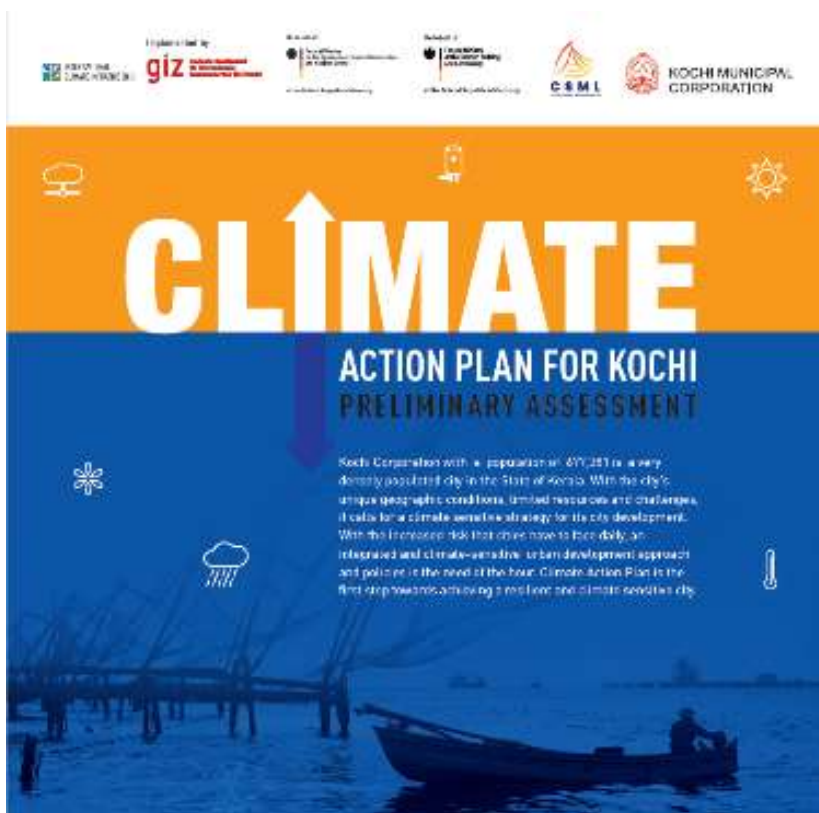


In partnership with:



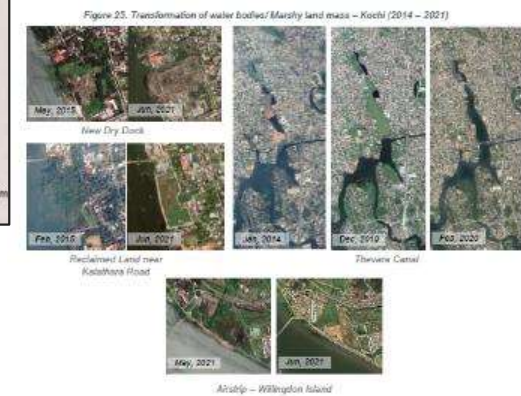
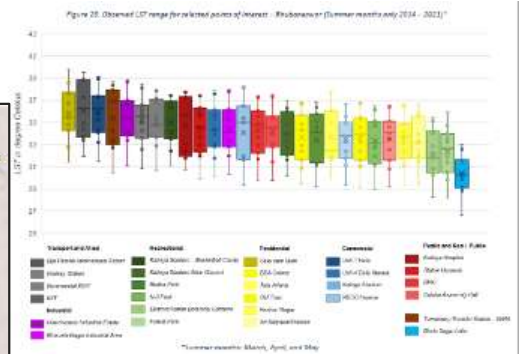
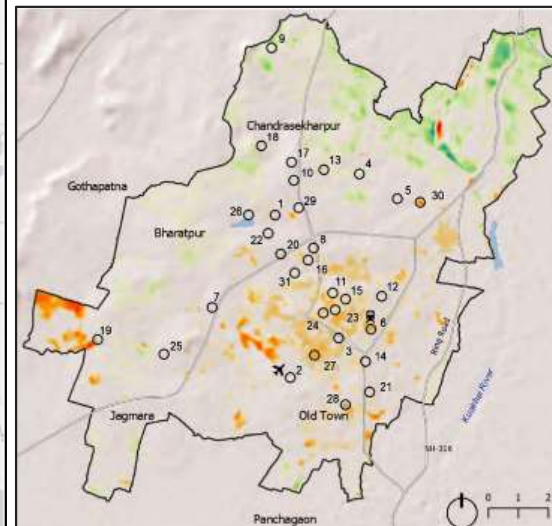
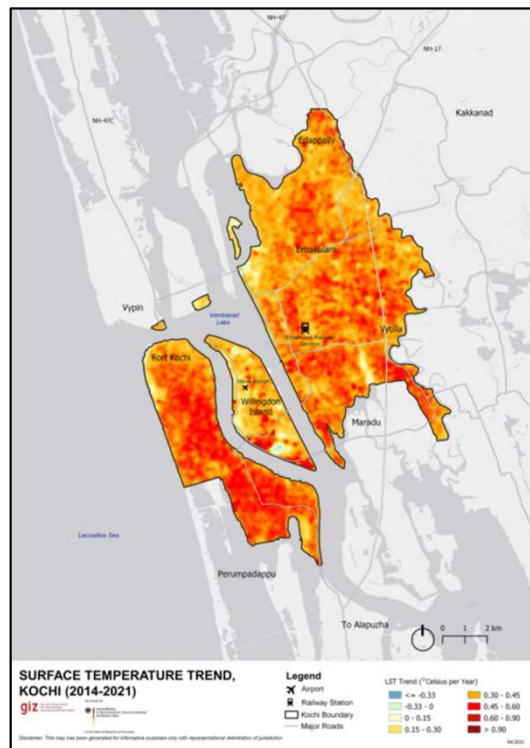
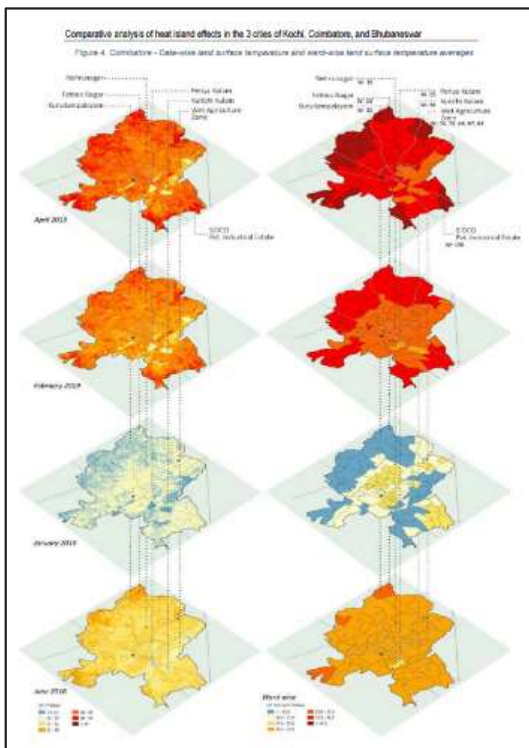
Climate Action Plan (CAP)

- Climate Action Plan—preliminary assessment was conducted for the city of Kochi.
- Recommendation to replace the existing streetlights to energy efficient lights has been taken up and implemented by the city



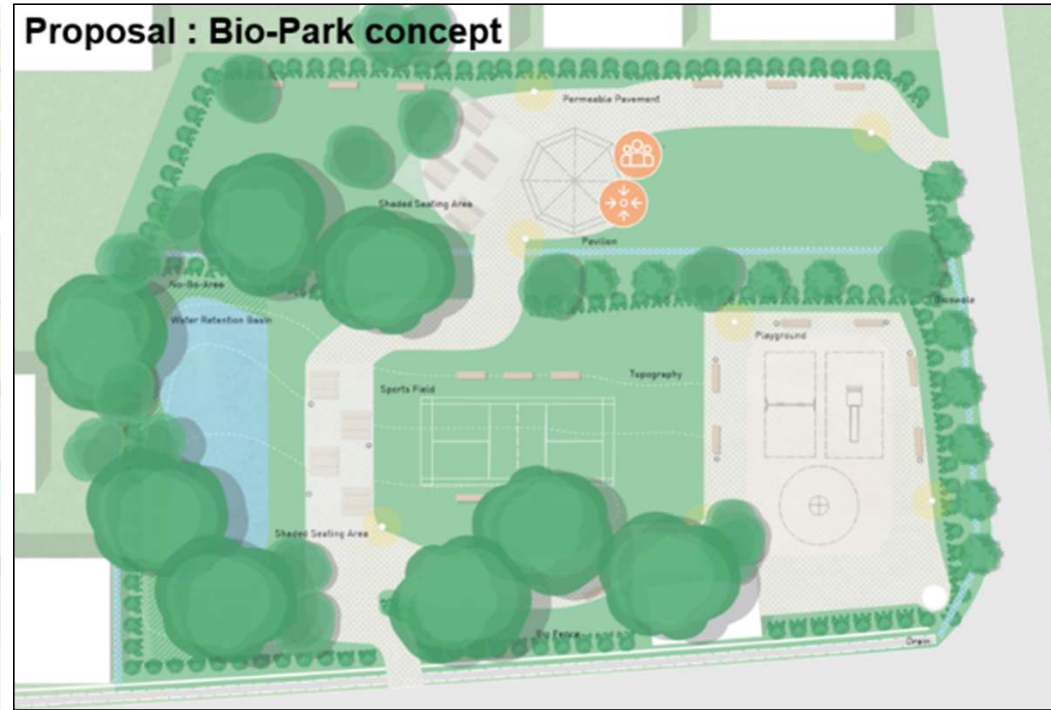
Heat Island Mapping

- Heat Island Mapping of the three cities. Indicator 1 under CSCAF: Urban Planning , Green Cover and Biodiversity includes preparation of Heat Island Maps as a requirement.
- Advisory on "Preparation and use of Land Surface Temperature maps for the cities"



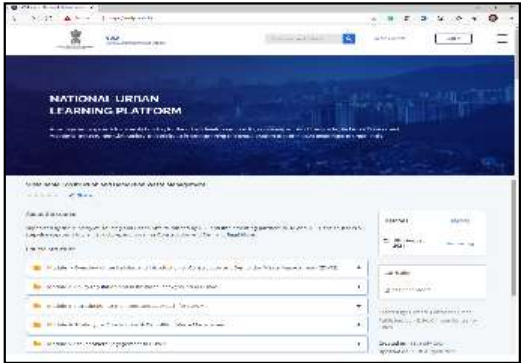
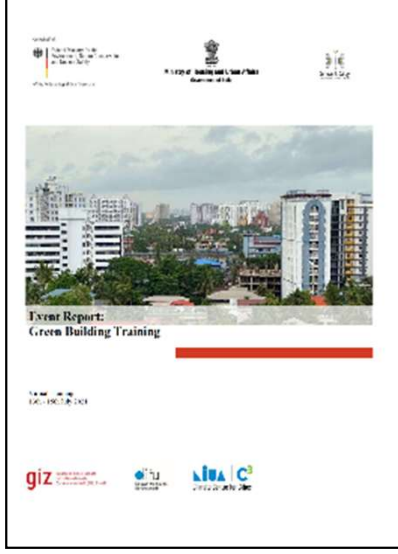
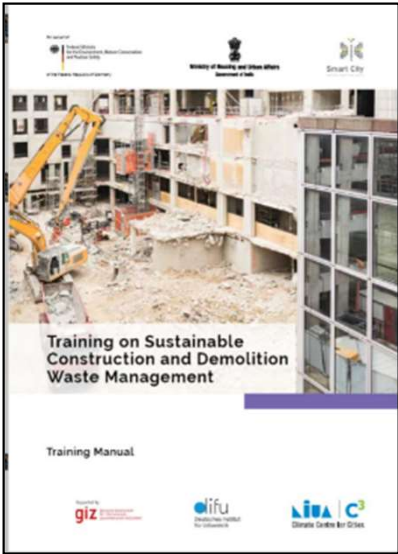
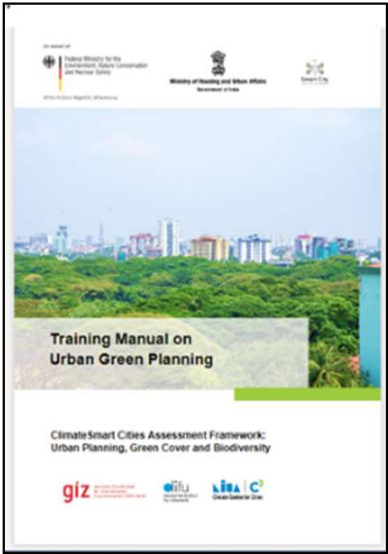
Urban Green Cover

- Prefeasibility for development of Bio Park in Maruthua nagar, Coimbatore , Tamil Nadu



Training and ToTs Organized jointly with NIUA & DIFU

- ## Training and ToT
- Construction and Demolition Waste
 - Urban Green Planning
 - Stormwater Management
 - Green Building
- All modules to be uploaded in the National Urban Learning Platform



ClimateSmart Cities Assessment Framework (CSCAF) and CSC-SAT Tool

- Supported as Strategic and Implementation partner to MoHUA- Expert Committee, Sectoral Experts and Core Experts .Supported microsite, Helpdesk, Evaluation, Assessment Report, City Level Diagnostic Reports, Trainings, etc.
- Development of Climate Smart Cities-Self Assessment Tool (CSC-SAT) for cities to calculate their GHG emission based on the CSCAF indicators



C-Cube and ClimateSmart Cities Alliance

- Supported MoHUA to set up Climate Centre for Cities (C-Cube) & Alliance to mainstream climate action in Indian cities
- First stakeholder consultation with 26 organisation
- Climate Alliance Advisory and Secretarial Support



Advisories

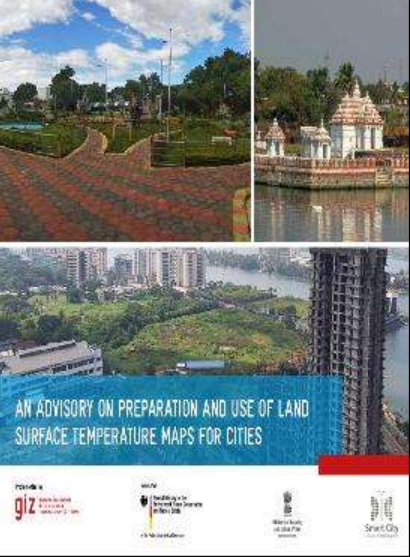
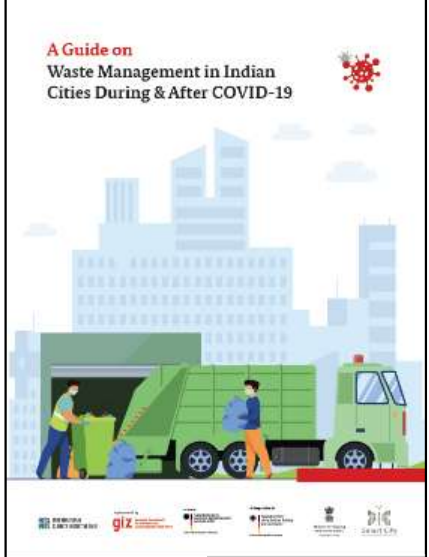
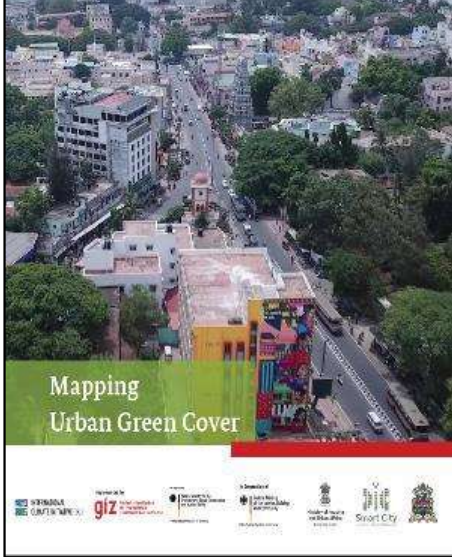
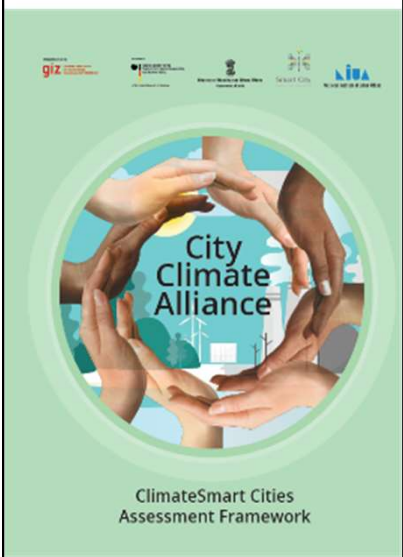
Advisory on City Climate Alliance

Best Practices Compendium for ClimateSmart Cities Assessment Framework

Advisory on Urban Green cover mapping

Advisory on Preparation and use of Heat Island Maps for Cities

Waste Management during and after the COVID-19 pandemic submitted to the three cities and MoHUA



[Climate Smart Cities \(urban-industrial.in\)](http://urban-industrial.in)





Liju Mathew

Urban & Regional Development Advisor,
Climate Smart Cities Project
New Delhi, India

liju.mathew@giz.de



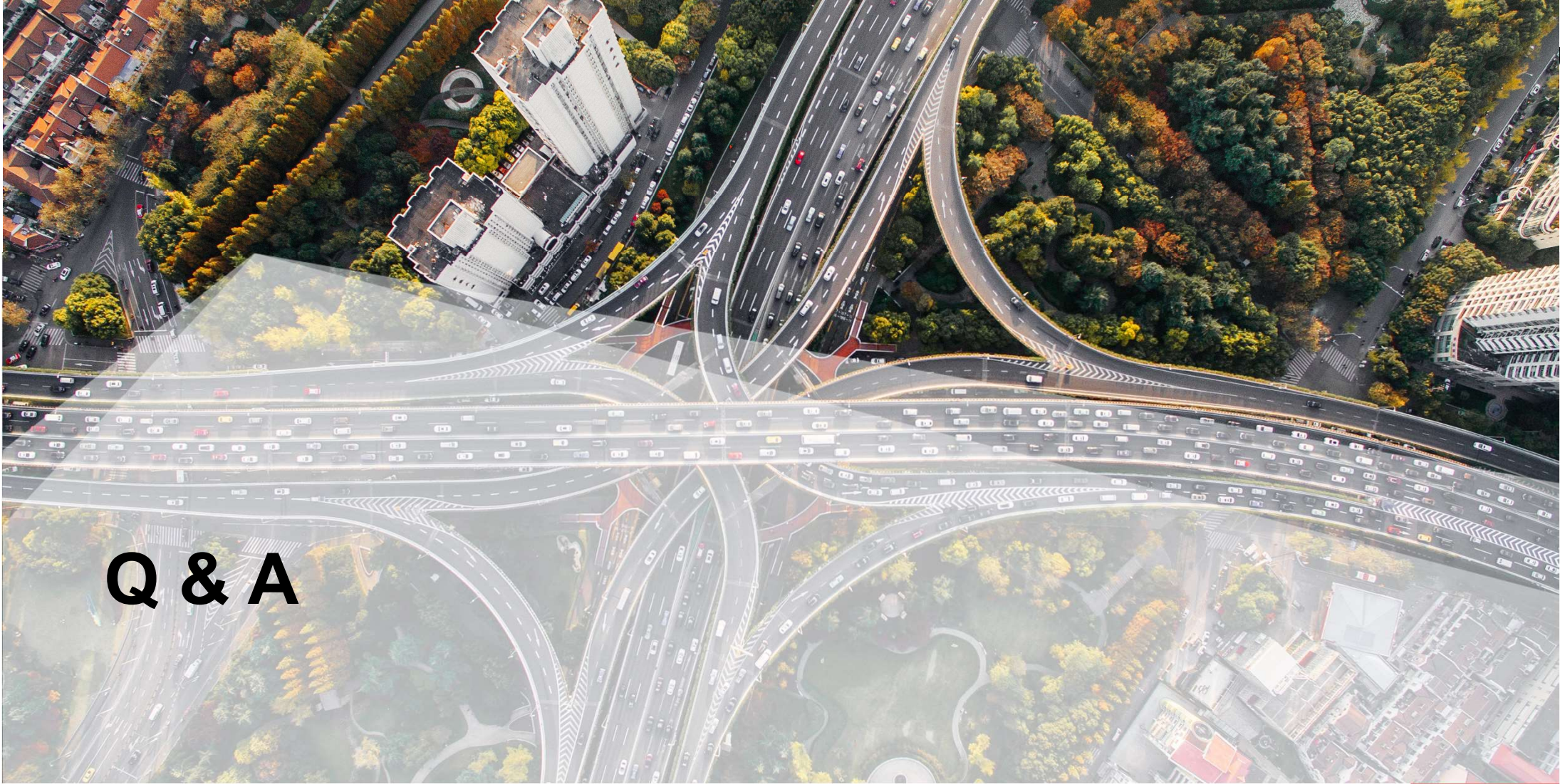
www.giz.de



https://twitter.com/giz_gmbh



<https://www.facebook.com/gizprofile/>



Q & A



Digitalization of Local Markets through Citizen-Centred Innovation

Peter Sailer

International Smart Cities Network



Digital Solution for Local Markets

A citizen-centred Innovation Process
implemented by the
International Smart Cities Network (ISCN)



What we do

The International Smart Cities Network ...

- # promotes the integration of **digital solutions in citizen-centred urban development processes**
- # facilitates the **exchange of good practices and experiences between urban development actors worldwide**
- # provides **joint learning processes** between cities and national urban development ministries, as well as academia and civil society in the **thematic field of Smart Cities**





#SolutionsForCities

International, Digital Ideas Competition of the International Smart Cities Network (ISCN)

Participating cities

Germany:

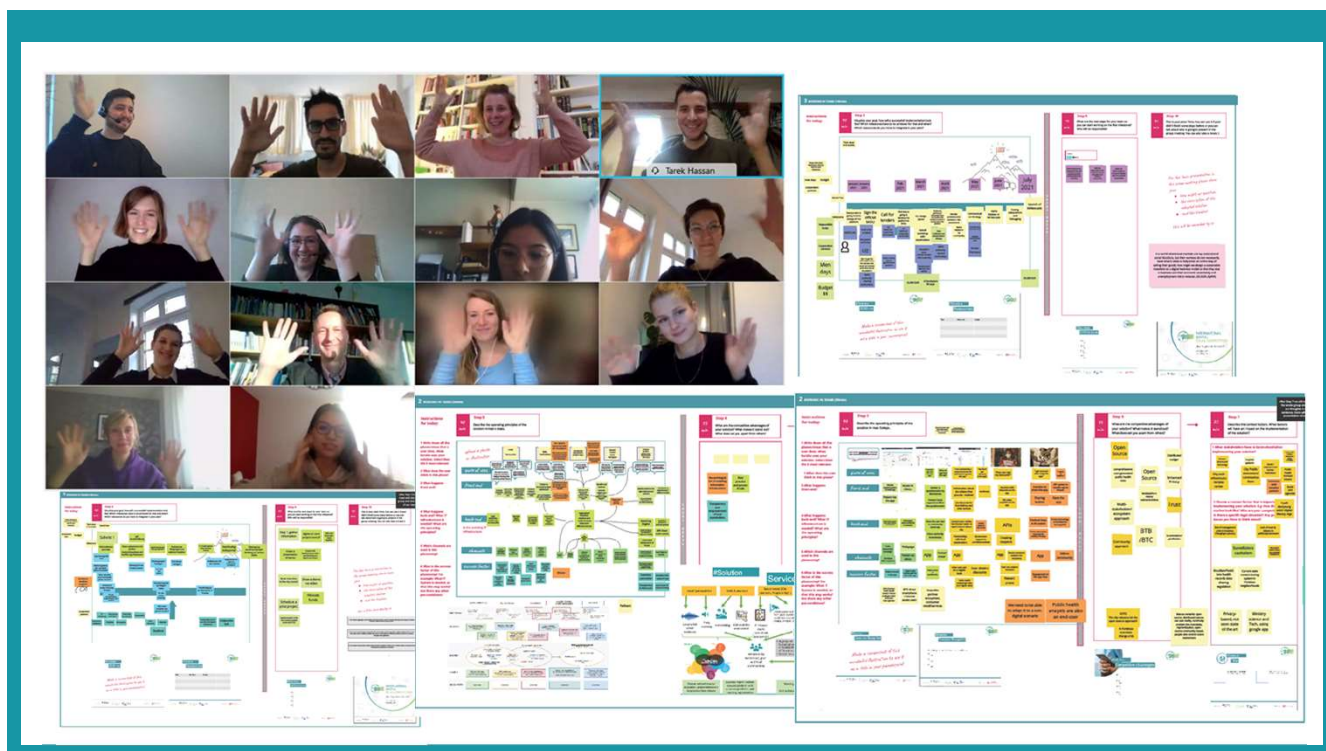
Bamberg, Kaiserslautern, Kassel, Süderbrarup, Wolfsburg

Mexico: Metropolitan Area of Guadalajara

Peru: Miraflores

Brazil: Fortaleza

India: Kochi, Coimbatore, Bhubaneshwar





#SolutionsForCities

International, Digital Ideas Competition of the International Smart Cities Network



Oct. 2020

CHALLENGE LABS

Cities from Brazil, Germany, India, Mexico & Peru defined their urban challenges and assigned them to six areas of action.



28.10. - 09.11.2020

CALL FOR SOLUTIONS

Digital solutions from around the world were submitted to help cities tackle their challenges during the pandemic.



MATCH MAKING

Challenges meet Solutions: Solution providers and challenge owning cities were matched to form teams.



23.-25.11.2020

SCALATHON

In a 3-day workshop, the teams created concepts to refine and adapt solutions to the context and needs of the city.



2.12.2020

PITCHING SOLUTIONS

The winning teams presented their adapted digital solutions at the New Leipzig Charter Digital Symposium.



Digital Solution ...

... for the Metropolitan Area of Guadalajara, Mexico

... from Kampala Capital City Authority,
Uganda



Strengthening the local markets in the Metropolitan Area of Guadalajara

How to design a sustainable transition to a **digital business model** to keep markets functioning?

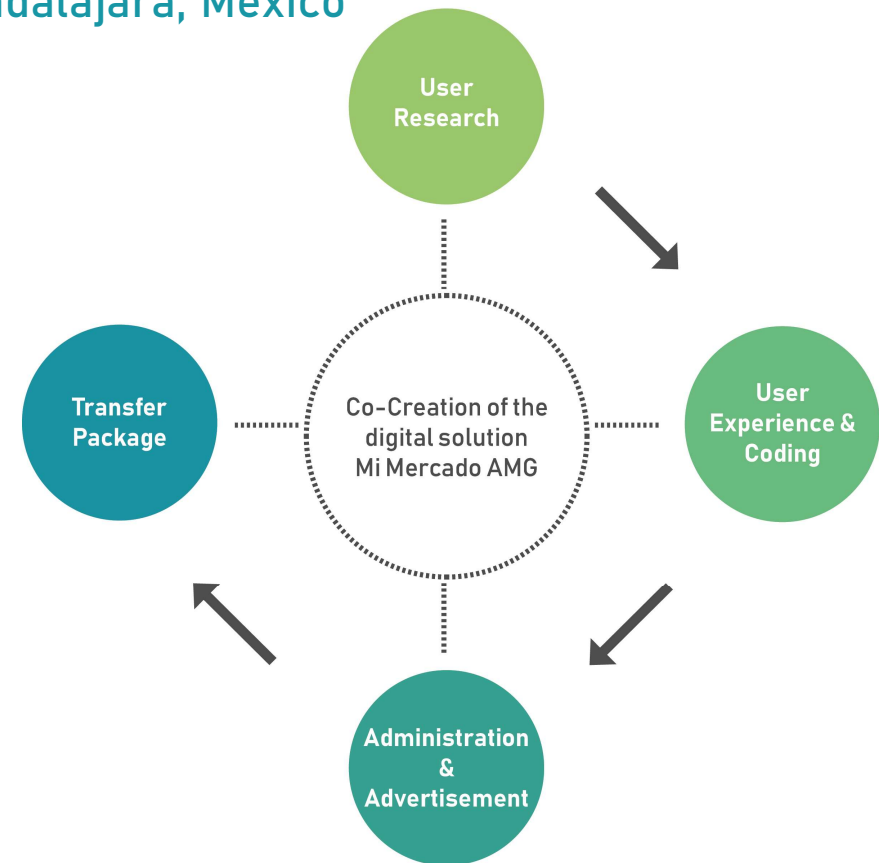
How to **reduce economic uncertainty** and the risk of unemployment?

How to **support the inner city** to remain vibrant despite the pandemic?

Co-creating a digital solution for local markets

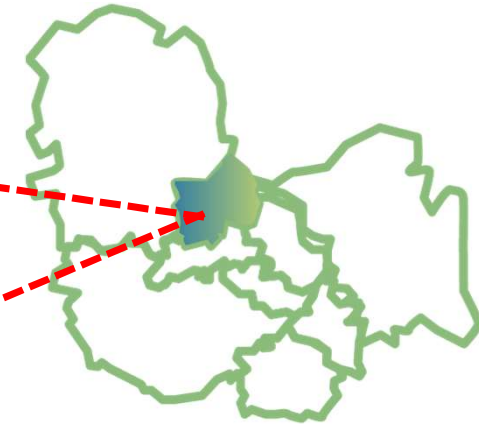
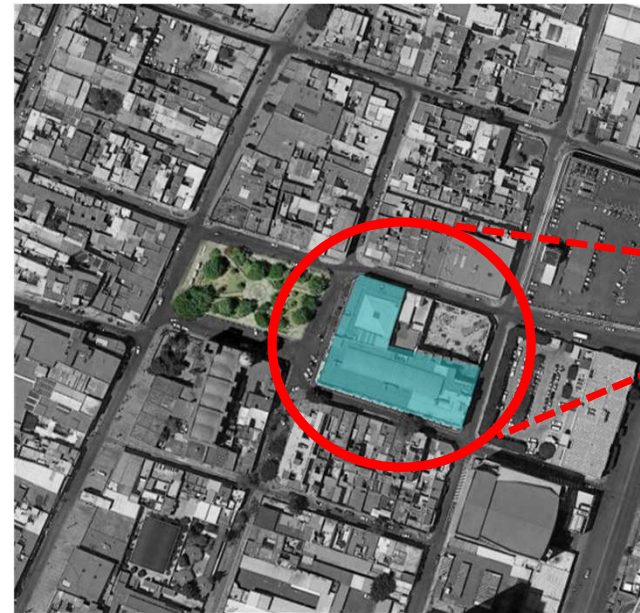
The implementation process of “Mi Mercado AMG” in Guadalajara, Mexico

The ISCN supported the Institute for Planning and Development Management of the Metropolitan Area of Guadalajara (IMEPLAN) in the development and implementation of the digital solution “MiMercado AMG”



Launch of the Piloting Phase

The implementation process of “Mi Mercado AMG” in Guadalajara, Mexico



19 October 2021: The piloting of the digital solution “Mi Mercado AMG” was launched in the market Mexicaltzingo in the Municipality of Guadalajara.

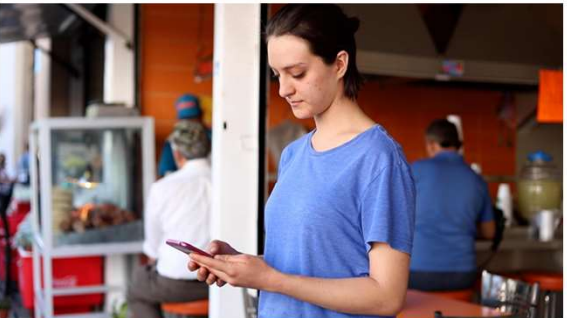
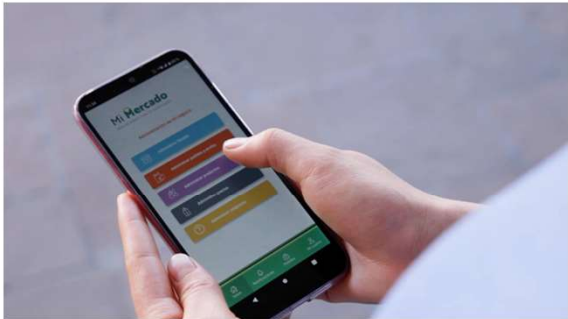
Capacity building with local stakeholders

The implementation process of “Mi Mercado AMG” in Guadalajara, Mexico



Online and on-site capacity building with market vendors, delivery cyclists and the municipal staff in charge of the administration and maintenance of the digital solution

Impressions of the pilot market Mexicaltzingo



Recommendations resulting from the pilot

The implementation process of “Mi Mercado AMG” in Guadalajara, Mexico



- # Identify (digital) pioneer market vendors
- # Iterations are key
- # Accept the dynamic nature of digital solutions
- # Set up an operational team in the market
- # Integrate the idea of scaling from the beginning

Transfer Package

Digital Solution for Local Markets

- # Based on the learnings, a **Transfer Package** and **source code** for a Digital Solution for Local Markets is made publicly available.
- # Enable other municipalities worldwide to **replicate, scale and adapt the digital solution** to their local context.
- # Contact smart-city-dialog@bmwsb.bund.de



Further Information: www.smart-city-dialog.de/mi-mercado-amg

Thank you!

Peter Sailer

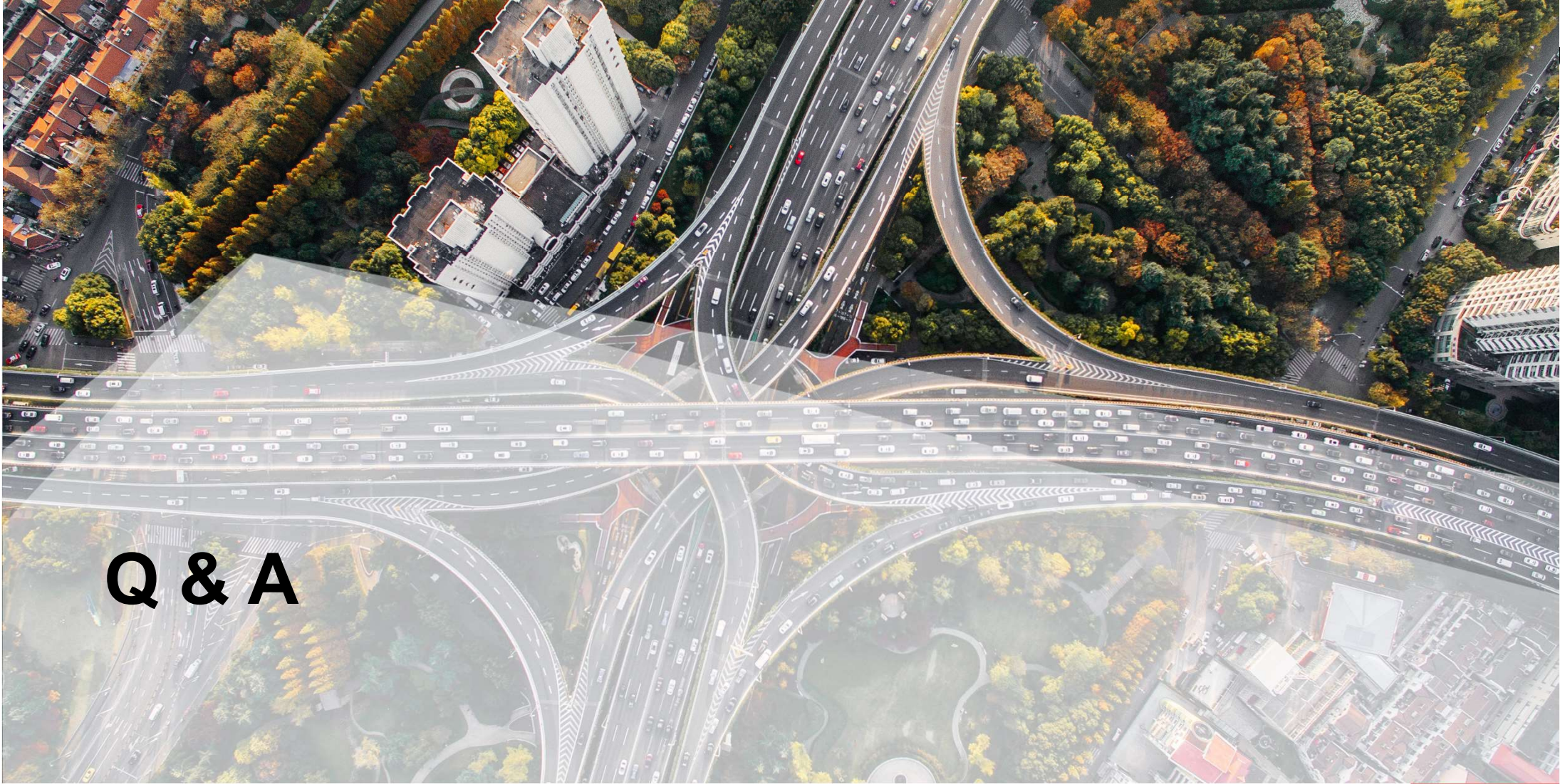
Project Director for the International Smart Cities Network,
at Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Peter.Sailer@giz.de

Visit us:

<https://www.smart-city-dialog.de/en/icsd>





Q & A

Smart Cities through municipal partnerships – examples from Indonesia and Palestine

Kariem El-Ali & Ibrahim Anastas

Experts Funds Project





Jakarta –Berlin Sister City Partnership

International City Collaboration in Smart City, Urban Innovation and Entrepreneurship

Initiated by “Experts Funds for Municipal Partnerships Worldwide” (GIZ/SKEW)

Accelerated by “Smart Change - Strengthening Urban Governance, Prosperity and Innovation in Jakarta” (EU project)



Agenda



1. Introduction of Berlin-Jakarta Sister City Partnership and path towards Smart Change
2. Smart Change Overview
3. Best practice on contribution to Government transformation

The cities of Berlin and Jakarta are bound in a partnership since 1994

- ↓ Initial cooperation has focused primarily on **culture and sports**
- ↓ Since 2016 both cities are focusing on their Start-up ecosystem connection through **Asia Berlin**
- ↓ Since 2017 extending the cooperation of the cities in the field of **Smart City, Start-ups and E-Government** through a letter of intent initiated by FKPW/SKEW
- ↓ Since 2019 secondment of an Integrated Expert at DKI Jakarta through the project “**Experts Funds for Municipal Partnerships Worldwide**” by GIZ, commissioned by German Development cooperation
- ↓ In 2018/2019 Call for proposals from the EU for the program “**Partnerships for sustainable cities**” in 2018/2019
- ↓ Since December 2019: kick-off project “**Smart Change**” – Signing of Implementing Arrangement

Agenda



1. Introduction of Berlin-Jakarta Sister City Partnership and path towards Smart Change
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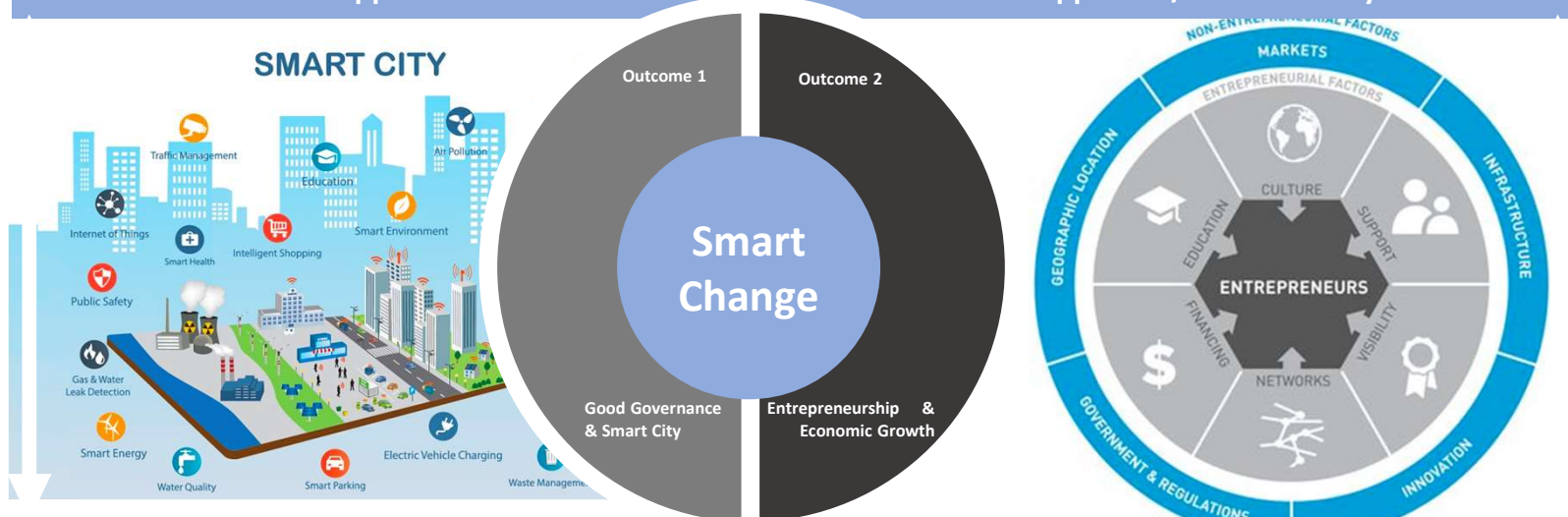
European Union

Contracting Authority



State Government of Berlin, Federal Republic of Germany
Lead Applicant

Jakarta Provincial Government, Republic of Indonesia
Co-Applicant / Co-Beneficiary



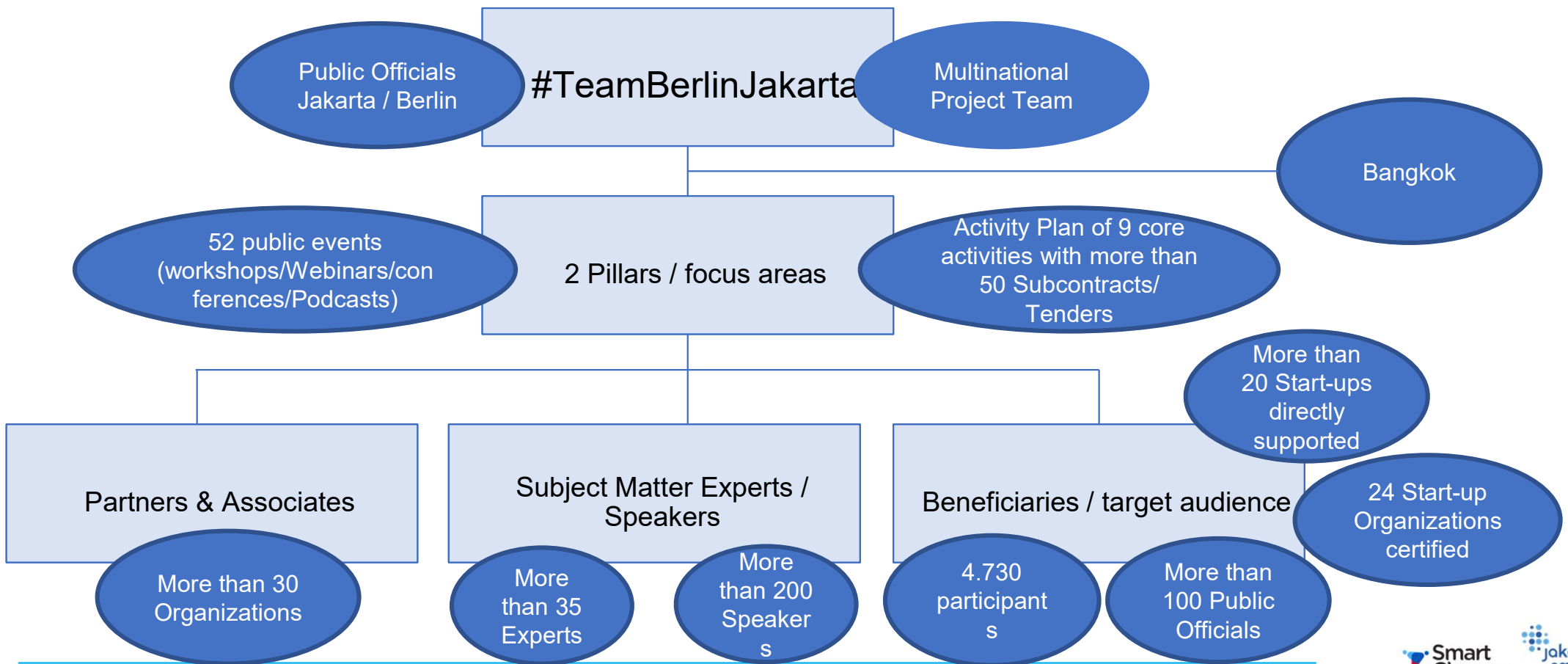
Partners & Associates

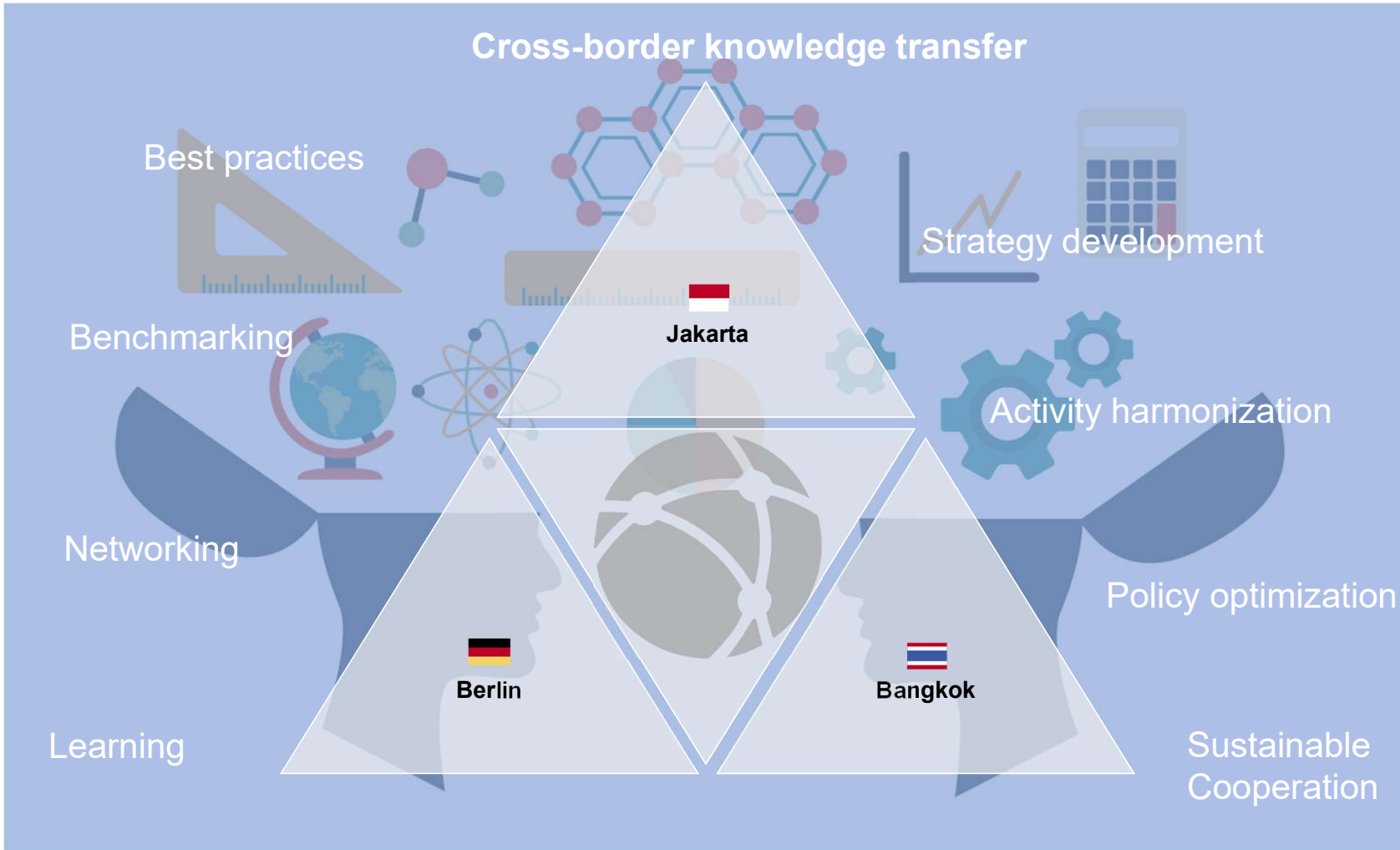
Bangkok Metropolitan Administration City Lab Berlin Gesellschaft fuer Internationale Zusammenarbeit MRT Jakarta
 Ruang Waktu Hukum Online Enpact e.V. Sixty two Urban Impact ecoyztem Berlin Partner ...

Jakarta and Berlin are committed to **improve integrated urban development through their city partnership.**

The partnership supports the **2030 Agenda for Sustainable Development** by accelerating **digital transformation** and the **Smart City 4.0 transformation program** of Jakarta.

Jakarta – Berlin Ecosystem





Structure and Outcomes

I. Good Governance and Smart City

- Local Multi-Stakeholder and Policy Dialogue Series
- Cross-city Formats and Peer-to-peer exchange
- Online exchange and learning platform

- Smart City Policy strategy and implementation plan

II. Entrepreneurship and economic growth

- Jakarta Future City Hub, physical Innovation space in Jakarta
- Future City Accelerator program, challenge-based for later-stage startups in Jakarta
- Program Designers Lab
- Online learning platform for Jakarta specific startup training

- Entrepreneurship Policy strategy and implementation plan



Agenda



1. Introduction of Berlin-Jakarta Sister City Partnership and path towards Smart Change

2. Smart Change Overview

3. Best practice on contribution to Government transformation



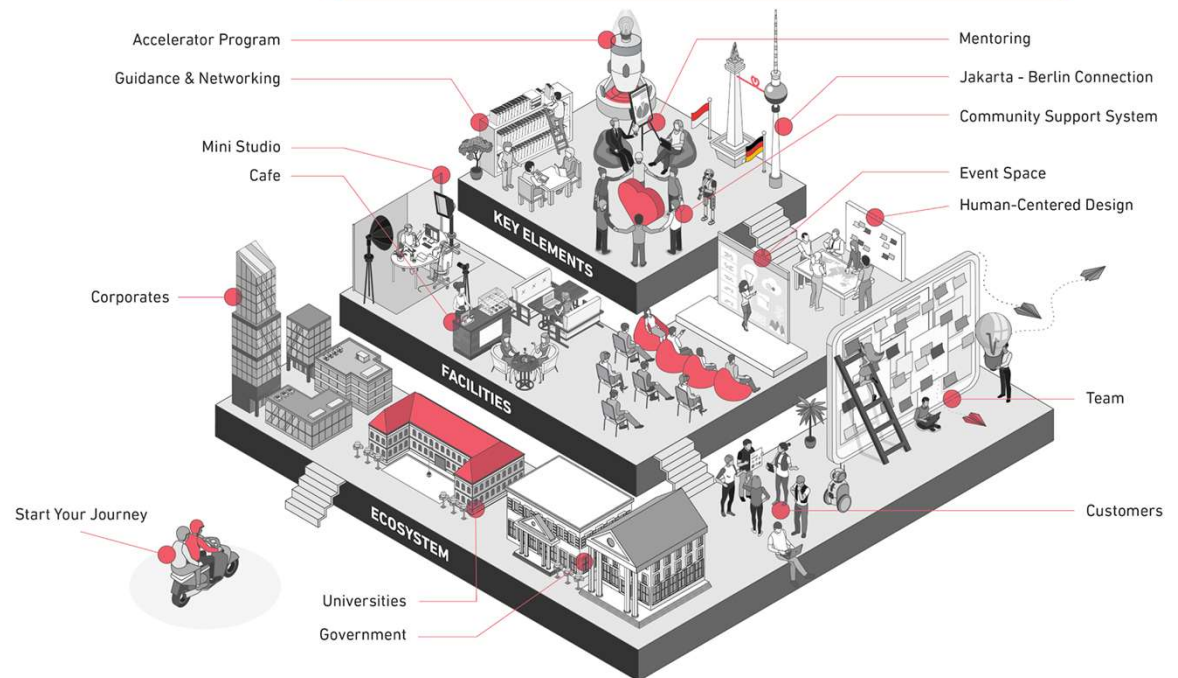
Jakarta Smart City Unit – How to transform into innovation collaboration?

Hailing from the success of city monitoring and coordination center, utilizing the Jakarta Future City Hub to co-create more smart city solutions in tackling city challenges.

JAKARTA SMART CITY - NOW



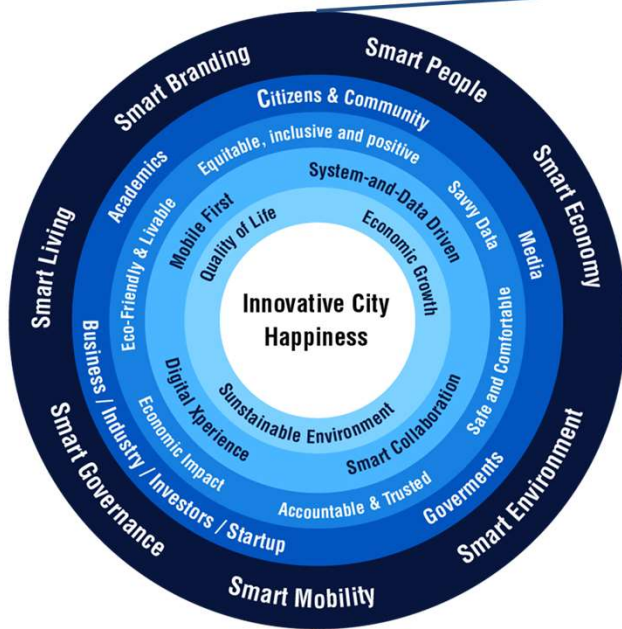
JAKARTA FUTURE CITY HUB - NEXT



Jakarta Future City Hub Benchmark

Product	Benchmark Idea	Specific Focus of Smart City	Business Model	EU	ASIA	City Partnership
Smart Cities Co-Innovation Lab Singapore	<i>First Southeast Asia industry lab!</i>	Advanced manufacturing; digital wellness; intelligent estates; smart mobility; sustainability; and urban agriculture	1.Space 2.Idea development and test-bed center		✓	✓
Shenzen Open Innovation Lab (SZOIL)	<i>The Silicon Valley of Shenzen!</i>	Advanced manufacturing; eco-construction	1.Hardware incubation 2.Academy		✓	✓
SkopjeLab	<i>First public sector innovation lab!</i>	Sustainable city development; public service; air pollution; waste management	1.Space 2.Prototype, test, and validate innovation solutions	✓		✓
Smart City Lab Basel	<i>Digitalization—for the city and citizens!</i>	Mobility; logistics	1.Space 2.Develop, test and experience	✓		✓
Stockholm OpenLab	<i>Develop your city!</i>	Sustainable urban development; ageing population; health; education	1.Space 2.Ideate, prototype, and test 3.Courses/workshops	✓		✓
CityLab Berlin	<i>Shaping Berlin's future together!</i>	Open data; software; administration; sustainable and inclusive urban development	1.Space 2.Digital Workshop	✓		✓

The Mission of Jakarta Future City Hub



COLLABORATION

- + 15 Smart City Project
- + 10.000 innovation agents
- + 6 programs running

CO-CREATION

- + Targeting 600 learners
- + Accelerating 32 startups
- + Certifying 20 organizations

INNOVATION

- + Transformation of City 4.0
- + Enhancing the public service
- + Achieving City Prosperity Index

MULTI DIMENSION OF CIVIC CHALLENGE

INNOVATION COMPETITIVENESS	GAP OF ECONOMICS DEVELOPMENT
CAPACITY OF GOV OFFICERS	ENVIRONMENT MANAGEMENT
RESOURCES EFFICIENCIES	SAFETY & CITY SECURITY
FULFILLING SERVICE STANDARD	INNOVATION FUNDING SOURCES

MISSION AND SERVICES OF FUTURE CITY HUB

Research & expo for smart city solutions

Collaboration: researchers, industry players, urban solutions

Access to international experts

EXPERIMENTS & PROTOTYPING

Examples of partners in the collaboration network



Smart City & Urban Innovation Lab

Government as a Service Lab

Berlin Jakarta Coop Lab

Knowledge Center Program

Community Building Program

Events Program



THANK YOU, TERIMA KASIH DAN VIELEN DANK

Kariem EI-Ali

Senior Policy Advisor DKI Jakarta and Team Lead Smart Change Jakarta

Mail: Kariem.EI-Ali@cimonline.de

<https://smartchange.co.id/>

Follow us on our Social Media:

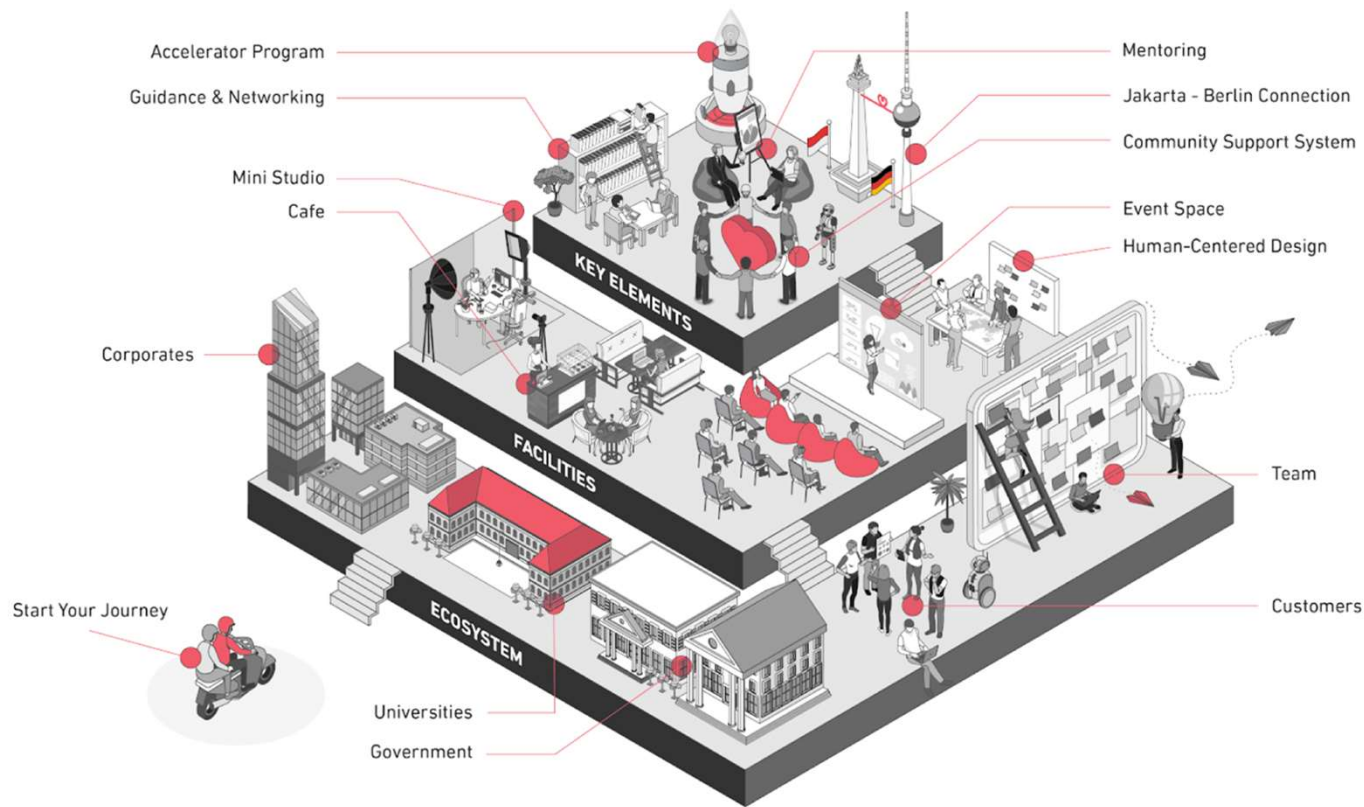
 **@smartchangejakarta**

 **Smart Change Jakarta**

 **Smart Change Jakarta**

I. Jakarta Future City Hub

An innovation center to empower entrepreneur community to experiment on smart city prototypes based on the high priority urban challenges.





Beit Jala Municipality | بلدية بيت جالا

Presentation about:

The Development of a Municipal Geoinformation System (GIS)

Urban October 2022 – Smart Cities
and Twin Transition

AGENDA

- 1- Introduction of Beit Jala – Jena cities Partnership & Technical cooperation & History
- 2- Beit Jala's Municipal Geoinformation System currently developed
- 3- Outcomes of GIS in Municipality 2020 - 2022



Beit Jala – Jena Twinning Partnership



Twinning Relations

- The cooperation between Beit Jala & Jena started in 2011 focusing primarily on being a Cultural Cooperation.

Partnership Objectives

- To comply with the Sustainable Development Goals in city development and planning
- To reinforce the communication and cooperation through mutual development and knowledge transfer



Beit Jala



Jena

Beit Jala – Jena Twinning Partnership

In 2018, The Cultural Cooperation was developed into a Technical Cooperation specifically towards GIS for Tourism (Focused Cooperation)

Previous topics of Cooperation

- Beit Jala public Library
- Cultural visits between Jena and Beit Jala
- German Palestinian partnerships conferences
- Geoinformation

Key Achievements

- Technical Cooperation in the field of GIS

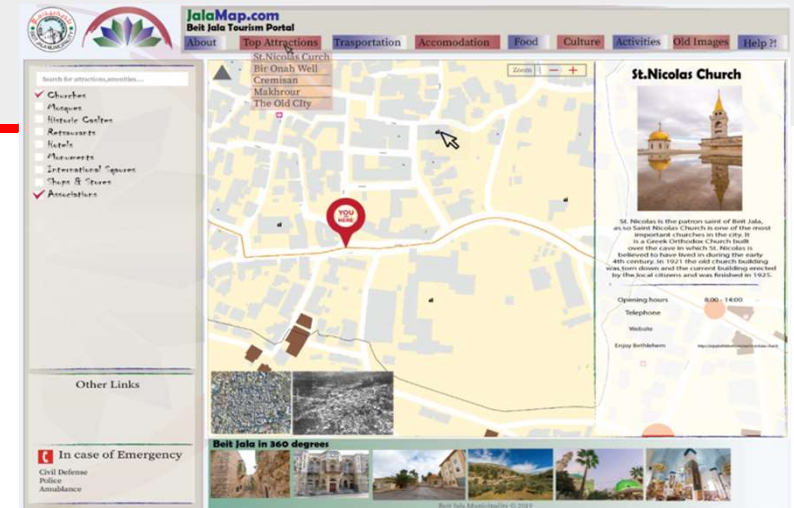
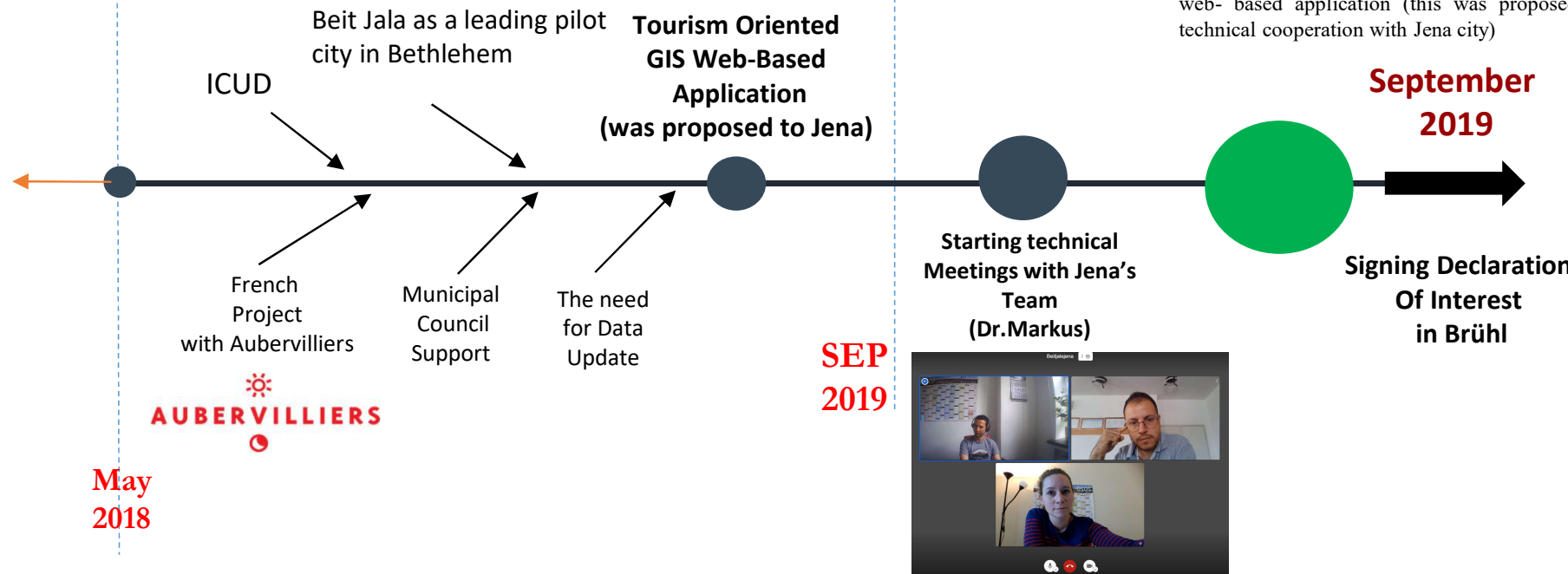
Further Potentials

- Academic Cooperation
- Cooperation in Tourism Development
- Upscaling the GIS project

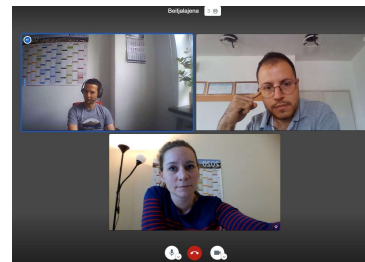


From Tourism to GIS – Development

Recruiting GIS specialist



A conceptual design for a proposed Tourism-Oriented GIS web-based application (this was proposed as a means of technical cooperation with Jena city)



Local Expert Project Timeline



- SEP 2019** ● Signing of Declaration of Interest with Jena
- NOV 2019** ● Appraisal Mission to Beit Jala
- MAR 2020** ● COVID outbreak
- JUL 2020** ● Approval for financing the local GIS position
Local expert position is advertised
- SEP 2020** ● Local expert interviews and final decision
- OCT 2020** ● Official Placement of the local expert
(Software Engineer)



**Main Task of the Expert
Is the Development of city's first
Enterprise Municipal GIS**

“Experts for municipal partnerships worldwide” (FKPW) program, a joint program implemented by GIZ and SKEW, commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ)



During the appraisal mission to Beit Jala to draft the proposal of Local expert for GIS development (the picture shows representative of FKPW, GIZ and Jena) November 2019



Implemented by



in cooperation with

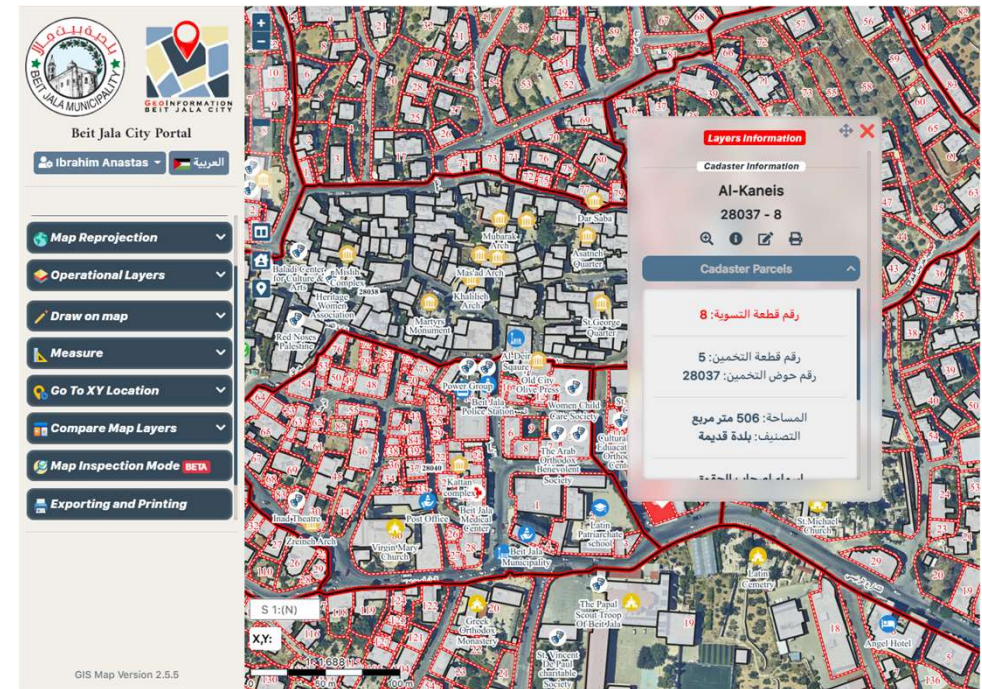


with its



Main Objectives of EGIS

1. Supporting Municipal E-Governance & Digital Transformation
2. Spatial Data Archiving & Maintenance
3. Fees Optimization (Solid Waste Collection, Crafts and Commercial Facilities Licenses, Advertisement Signage)
4. Increasing Municipal Efficiency & Optimizing Decision making process
5. Supporting Tourism and Cultural Heritage
6. Enhancing Public Satisfaction
7. Strengthening the Technical cooperation between the twinning cities



GEOINFORMATION
BEIT JALA CITY



Development Scope of GIS Work

Municipal Spatial Database

City GIS Portal Development

Cartography and thematic maps production

Digital transformation towards e-municipality

Theme-specific GIS web development

Tax collection optimization

Municipal spatial Data Regulations ,
Protocols

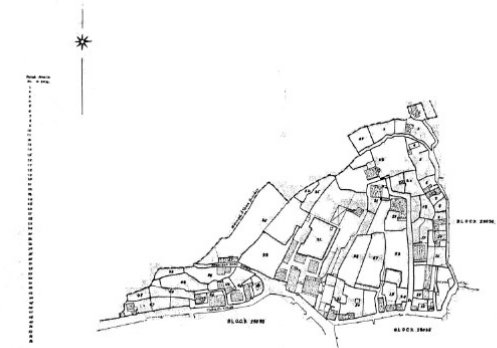
Digital Archiving

Visibility, Communication & Public
Awareness

Spatial Analysis & Modelling

Heritage preservation and
documentation

Administration and Management

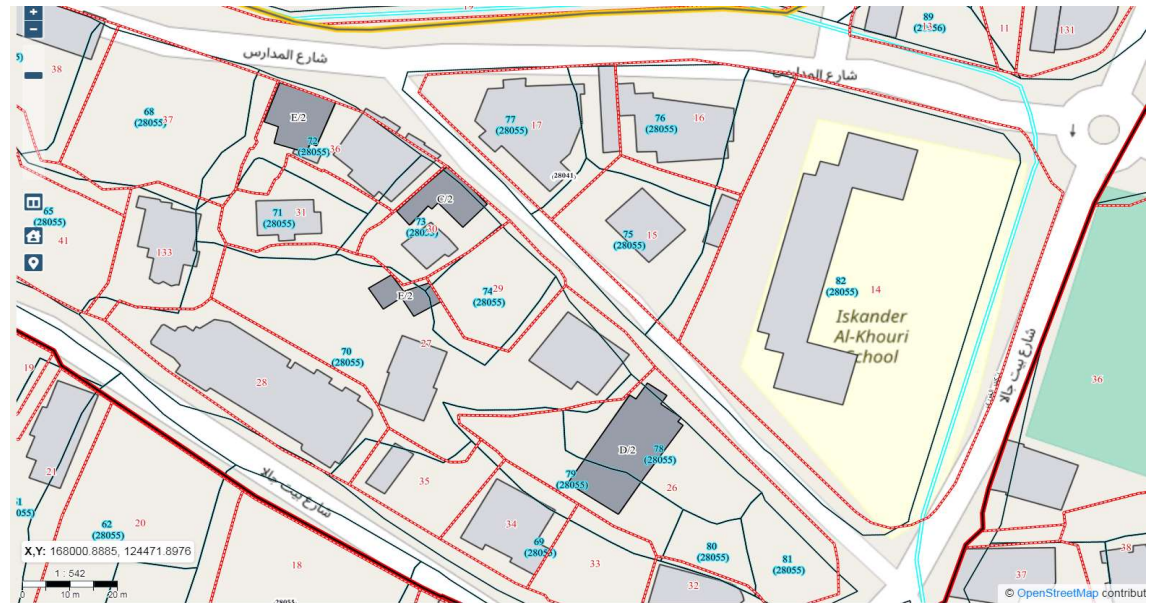


Outcomes of GIS in Municipality 2020 - 2022

Well-established complex spatial database including many levels of data related to municipal work

Well-developed GIS Web Application operational and used by 80% of the municipal staff within different departments and sections.

- Number of digitized parcels: 2400
- Analyzed urban folders: 2300 folder
- Digitally Archived Urban: 600
- Field surveyed buildings: 1500
- Apartments/units surveyed: 4700
- Geoinformation System used by: 32 users
 - Project Based: 14 users
 - Regular Employees: 17 users
 - Municipal Council: 1 user (Mayor)



Outcomes of GIS in Municipality 2020 - 2022

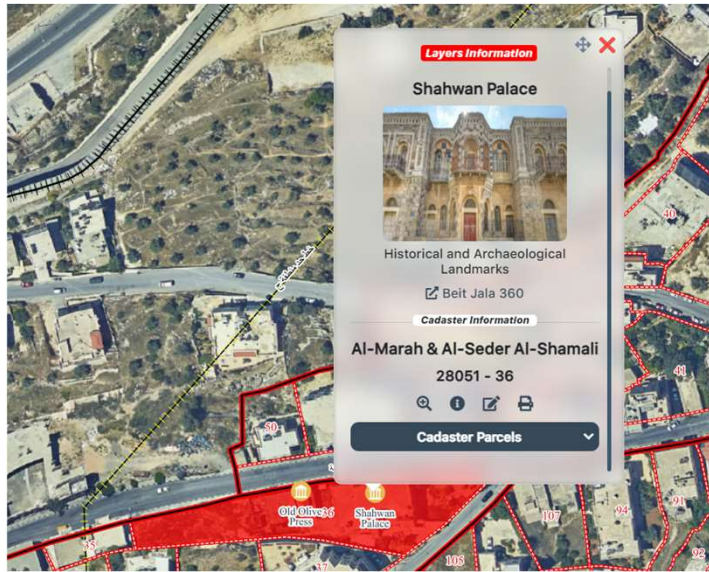
It became a geo-archiving Tool starting with Buildings Licenses & Folders

An Application that is ready to document Heritage information

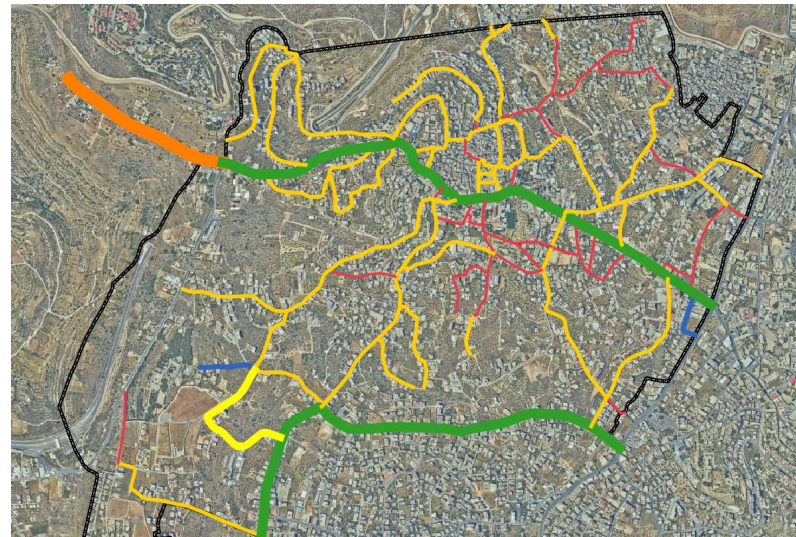
Thematic Reporting & Analytical Tool for new projects



License Folders Digital Archiving



Heritage & Historical information through click on map



Thematic analysis through maps



Outcomes of GIS in Municipality 2020 - 2022

Our Experience with GIS was also used as a channel to share knowledge with other Municipalities

Direct Cooperation: Hebron Municipality

Sharing knowledge directly: Arrabeh, Jericho, Izareyeh, Beit Sahour

Sharing knowledge through digital hubs: about 15 Municipality

The Technical Cooperation between the twin cities is strengthened by making technical exchanges and monitoring of the GIS project

- Technical visit of Jena GIS team to Beit Jala (June 2022)
- Online technical meeting between 2 teams
- 5 technical GIS staff from both municipalities are cooperating together



Thank you for your kind attention!



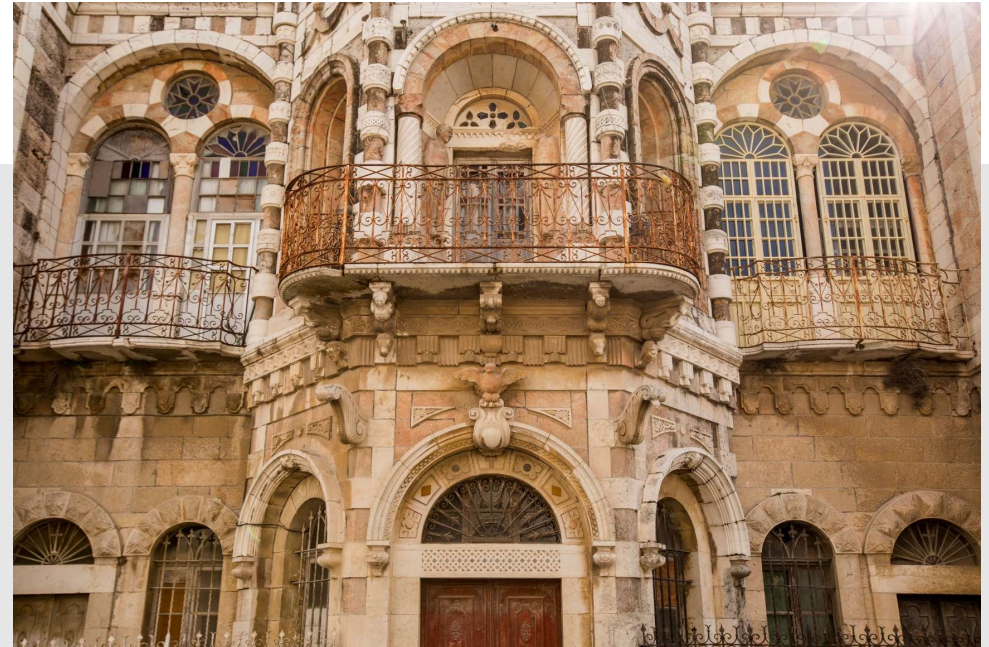
Ibrahim Anastas

Software Development Engineer

Geoinformation Section, Planning Department

i.anastas@beitjala-city.org

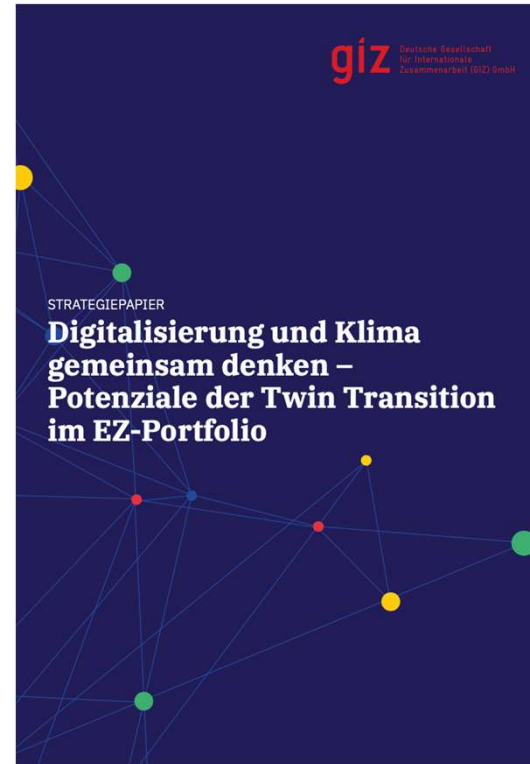
ibrahimn997@gmail.com



Shahwan Palace, Beit Jala | Elias Halabi © photography

Twin transition

- Green and digital transformation as a change towards a socially and environmentally sustainable future promoted by climate-friendly digital innovation
- Shape digital transformation in a climate friendly way
- Exploit the potential of digital technologies to achieve climate targets



Contact:

Tabea Hoefig

Patrick Bueker



Climate & Digitization –The Path to successful Twin Transition

A global initiative for a climate-friendly digital transformation.

BACKGROUND

With the Paris Climate Agreement of 2015, the international community committed to limit global warming to well below two degrees and strengthen the capacity to adapt to climate change. Yet climate change is already hitting people in the poorest countries particularly hard, even though they have contributed the least. German development cooperation (DC) therefore wants to contribute to a **sustainable, climate-compatible socio-ecological transformation of society and the economy.**

Digitization can provide support here: Innovative technologies have the potential to drive climate protection and adaptation. However, 1.8 to 3.2% of global greenhouse gas (GHG) emissions in 2020 are attributable to information and communication technologies (ICT).

Political design therefore determines whether the digital transformation becomes an accelerant of ecological and social crises or a **tool for a sustainable future.** If the **potential of digitization for sustainable development** is exploited, global GHG emissions could decrease by up to 20%. For DC, this means promoting appropriate innovative solutions and implementing them in cooperation with European and international partners, civil society and the private sector to ensure **sustainable development and better adaptation to change** in our partner countries. We understand the green and digital transformation ("Twin Transition") as a change towards a socially and environmentally

sustainable future promoted by **climate-friendly, digital innovation.**

FIELDS OF ACTION

(1) Shape digital transformation in a climate-friendly way

To make the digital transformation **climate-friendly**, its **direct effects** must be reduced. This includes energy demand and GHG emissions from the production and use of digital devices and infrastructures. These must be powered by renewable energy, their useful life extended, and emissions in manufacturing reduced. In the partner countries, the development of sustainable infrastructure for information and communication technologies is central. On the one hand, many regions have good conditions for wind and solar energy. On the other hand, the demand for and supply of data centers is increasing there.

(2) Exploit the potential of digital technologies to achieve climate targets

Indirect effects of the digital transformation can contribute to achieving the climate targets if incentives and decision-making bases are created for this. They arise from changes in production and consumption patterns and can have either a positive or negative impact on the climate. Data play a central role in harnessing these effects for climate goals. They form the **basis for sustainable, evidence-based management of processes.** Data-driven solutions can contribute to **climate change**

bmz.de

https://www.bmz-digital.global/wp-content/uploads/2022/08/220810_BMZ-Factsheet_EN_Twin-Transition.pdf

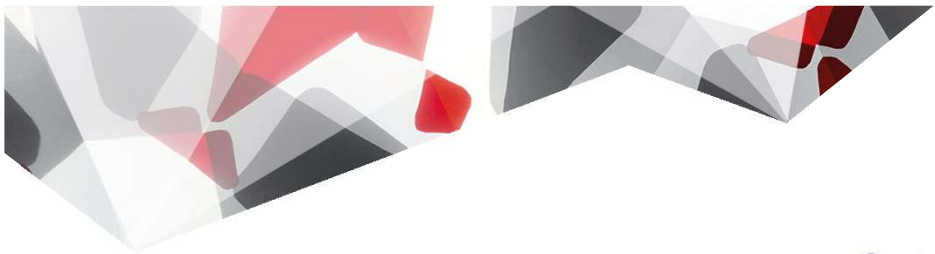


Agenda

- **Welcome and check-in**
- **GIZ Smart Cities Papier – Background, learnings and next steps - Phillip Reviere**, Planning Officer – FMB 4C30
- **Making cities climate smart - digital solutions in India – Liju Mathew**, Technical Expert – Climate Smart Cities (CSC)
- **Digitalization of Local Markets through Citizen-Centred Innovation - Peter Sailer**, Head of Project - International Smart Cities Network (ISCN)
- **Smart Cities through municipal partnerships – examples from Indonesia and Palestine - Hannah Schabert**, Project Manager; **Kariem El-Ali**, Integrated Expert, Smart City, Indonesia; **Ibrahim Anastas**, Local Expert, municipal geoinformation systems, Palestinian territories – Experts Funds Project
- **Joint discussion**

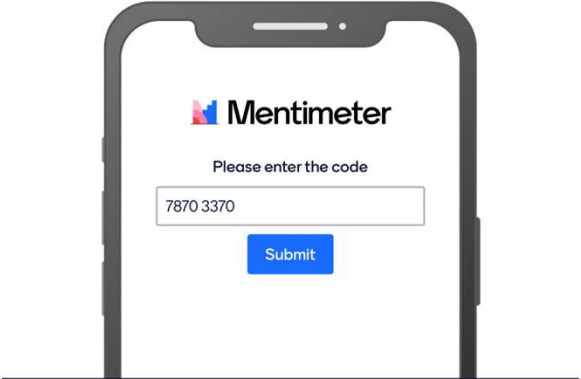


Joint discussion



Check-out

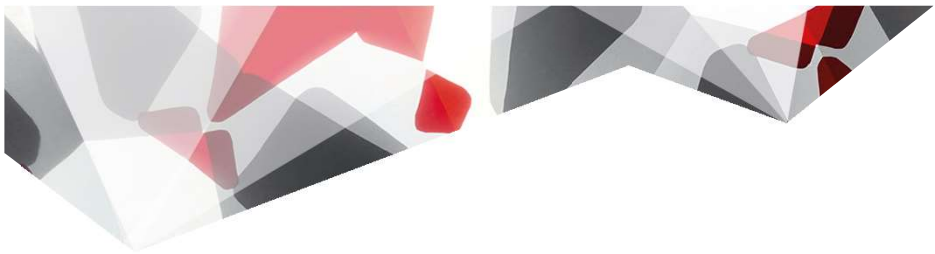
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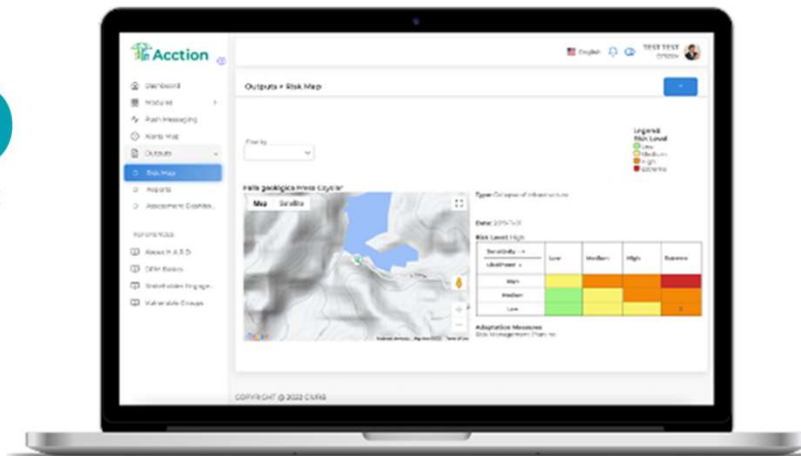
Or use QR code



Next webinar in December (TBC - 12th or 14th)



ACCTION - Disaster Risk Management Made Simple



<https://www.clurb.net>

<https://digilab.bmz-digital.global/en/>

