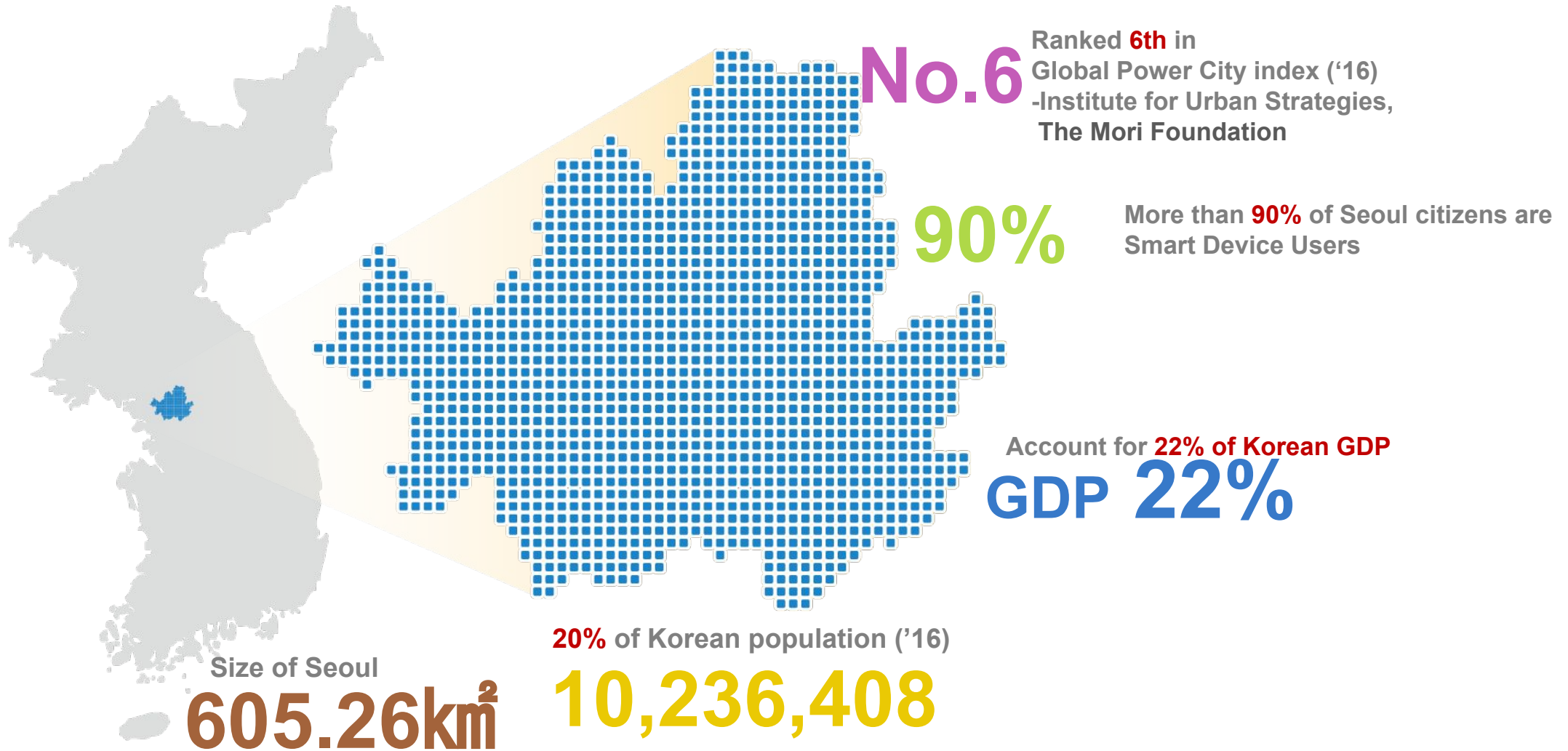


Seoul Smart City Initiatives & Cases

Dr. Jungwoo Lee
Director of Seoul Digital Foundation

About Seoul



Seoul Digital Plan 2020

Smart City Seoul

New Connectivity, New Experience



Citizen-oriented Digital City

Digital Economy

New Citizen Experience

Global Digital Leading City

Citizen-driven Digital Governance

Participation

Cooperation

Business Incubation

Digital Platform

Convergence

Solving Urban Challenges with Digital Tech.

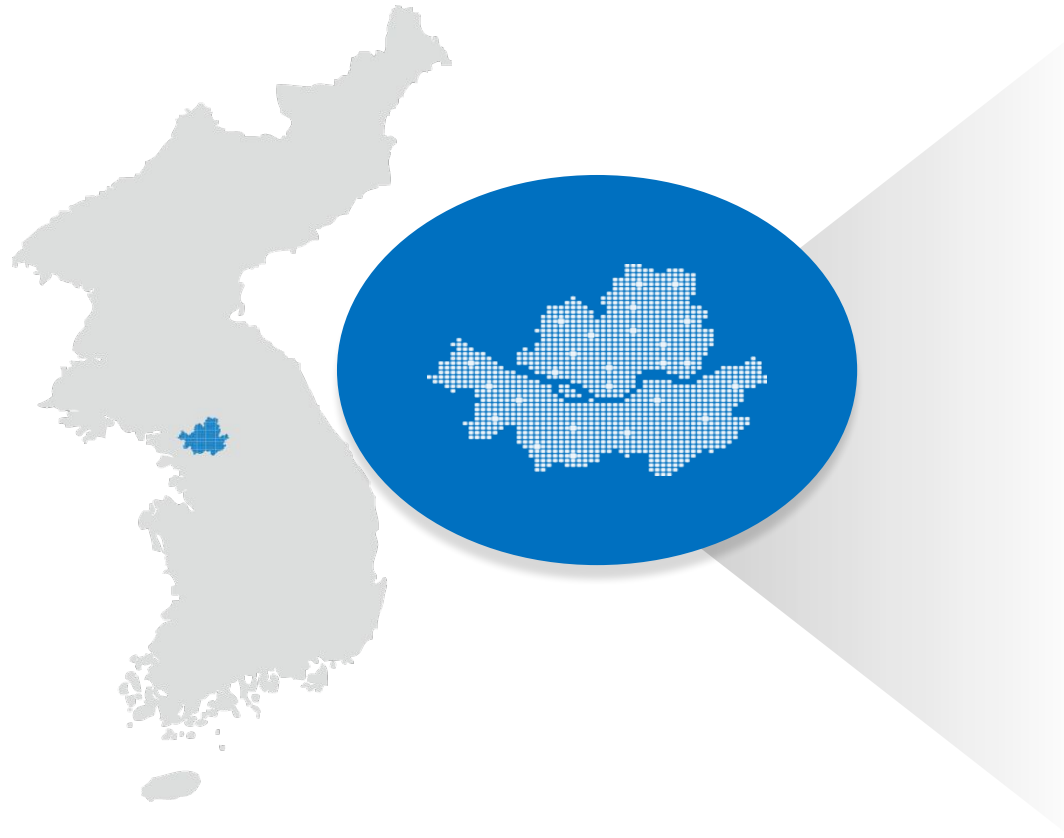
Improving Citizen Value

Infrastructure

Digital Business Ecosystem

Digital Events

The Strategies of Seoul Smart City



Pillars of Seoul Smart City

- 1 The best ICT infrastructure which connects and empowers citizens
- 2 Open Government focused on communication, participation and sharing
- 3 Strong public-private partnership for sustainable development
- 4 Adoption of latest technology such as bigdata, IoT, GIS & Cloud to solve urban issues
- 5 Sharing Seoul's smart solutions with the world

Seoul Open Data PLAZA

(<http://data.seoul.go.kr>, may, 2017)

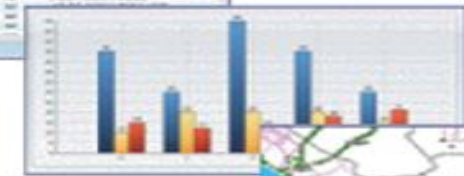
Open **4,700 dataset** in **10 areas** such as general administration, culture & tourism, public health, and environment

Average 670 thousand use daily

Provide data in various forms such as **open API**, **LOD**, **chart**, **map & file**



Spreadsheet

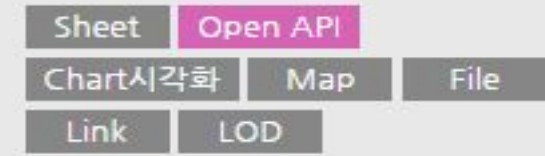


Chart



Map

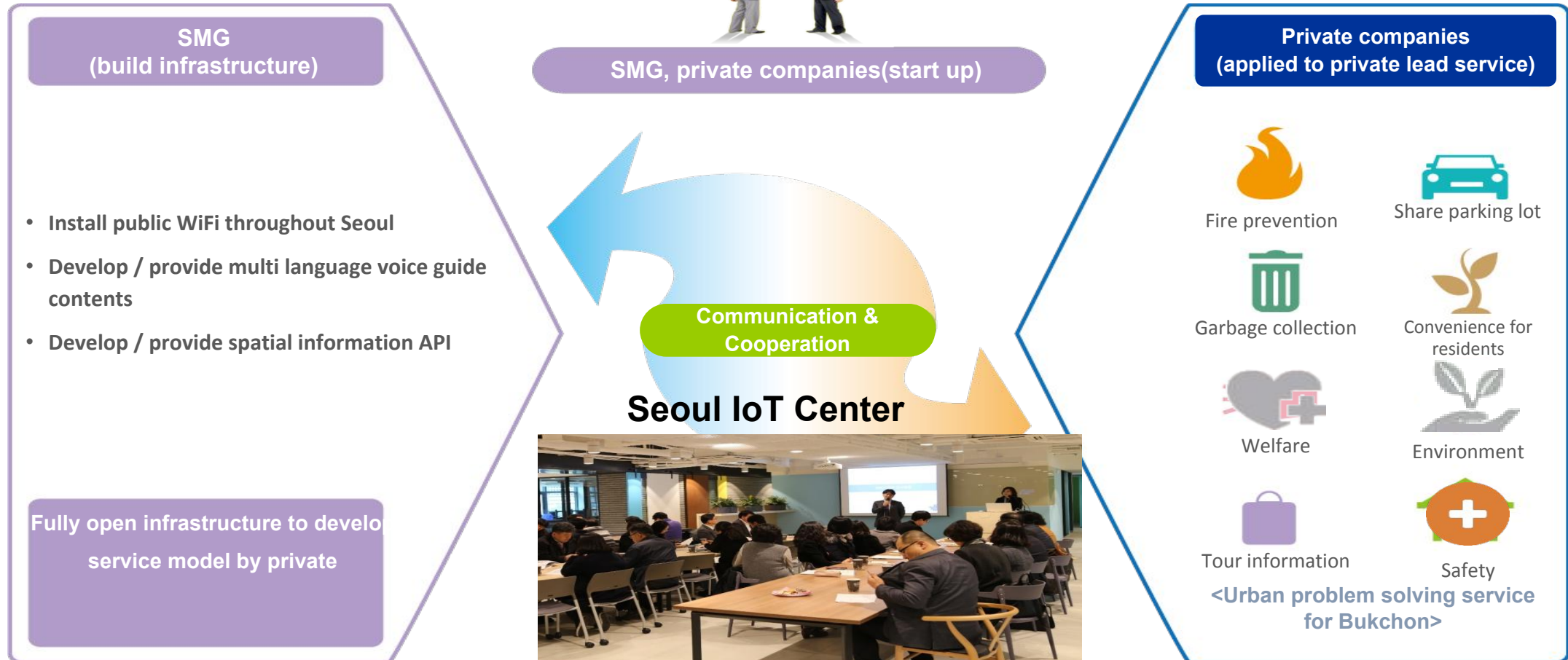
Service forms



IoT Pilot Project: leveraging IoT to resolve urban challenges of Seoul through public-private partnership

Implementation strategy

2015: Pilot project in Bukchon area 2016~2017 : 13 area
~2020: Spread to 50 places throughout Seoul



The Late-night bus, a data-based governance of Seoul

No public transportation
between 01:00 AM ~ 05:00 AM



Subway



Bus

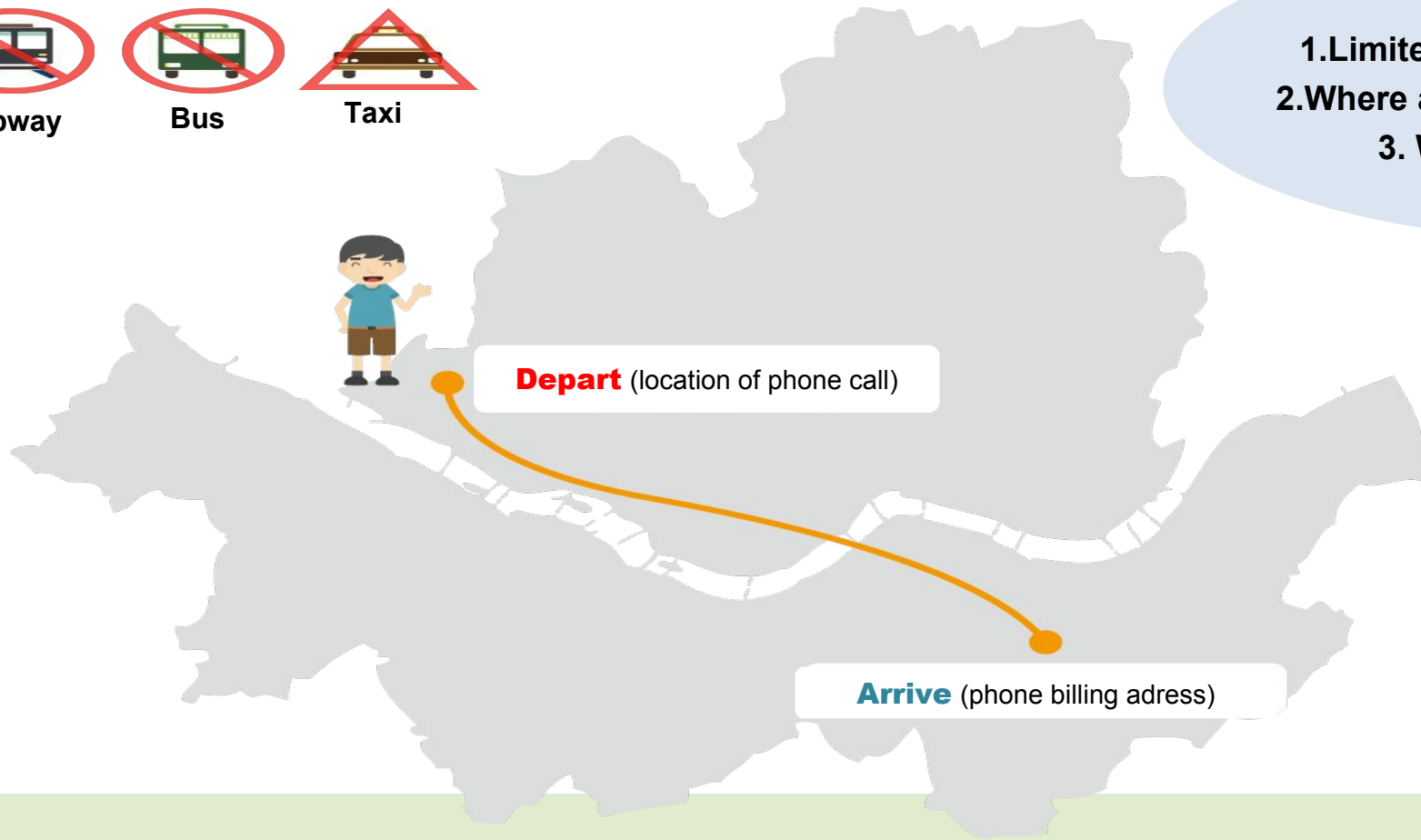


Taxi

Let's set-up Late night bus routes

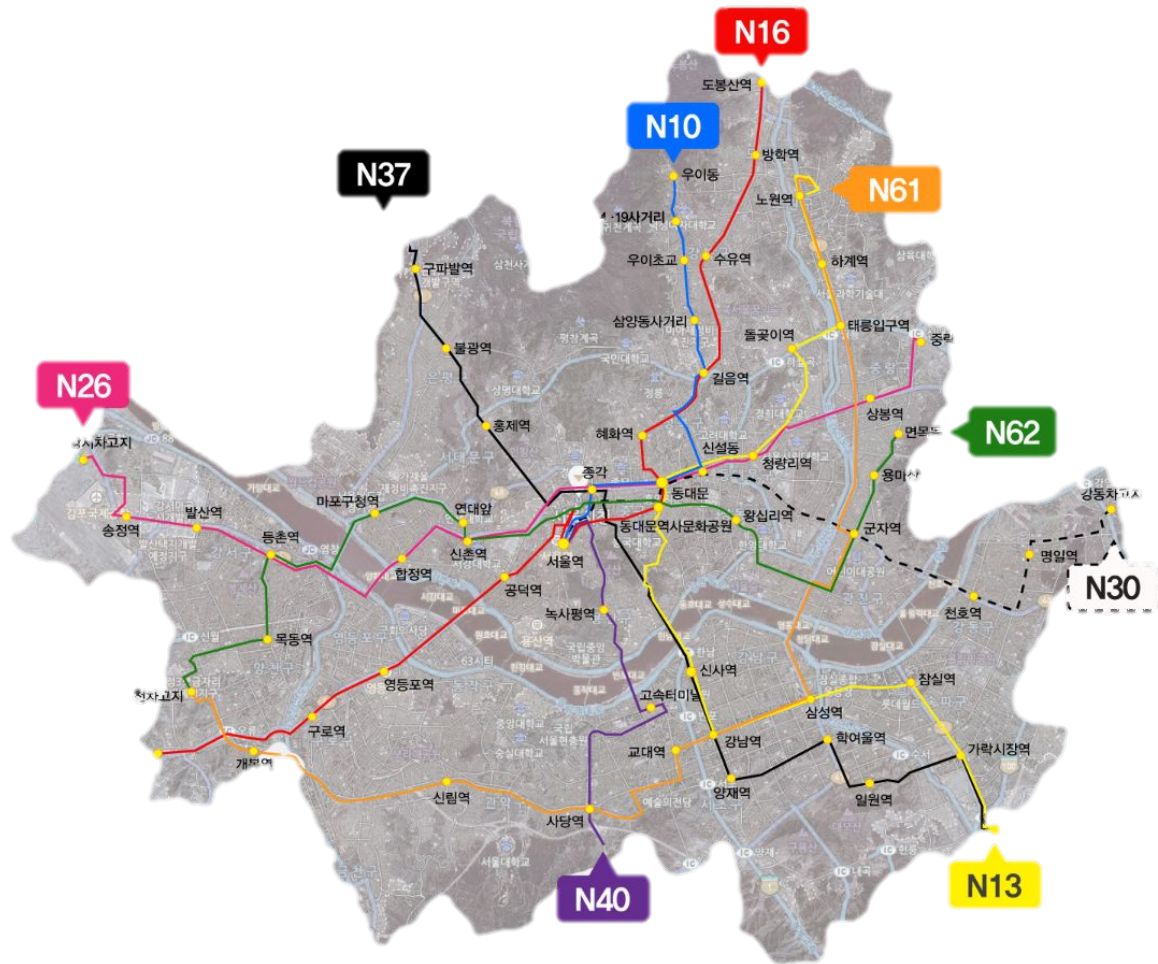
Facing Problems

1. Limited resources – drivers & budget
2. Where are the passengers in mid-night?
3. Where do they want to go?



Analyzing 3billion taxi-call data

The Late-night bus, a data-based governance of Seoul



Design the best 9 bus lines

About Us

Digital Think Tank/ Innovator of Seoul

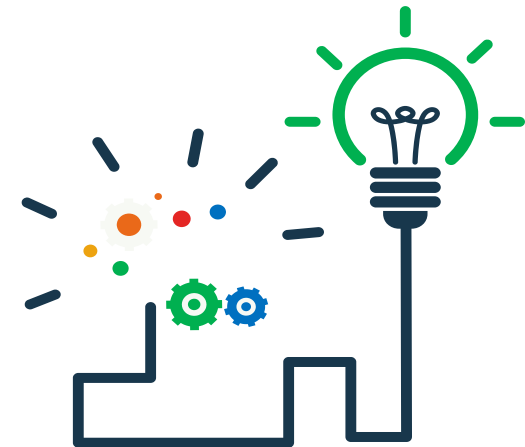
which pursues smart sustainable urban development based on ICT

- **Mission and Vision**

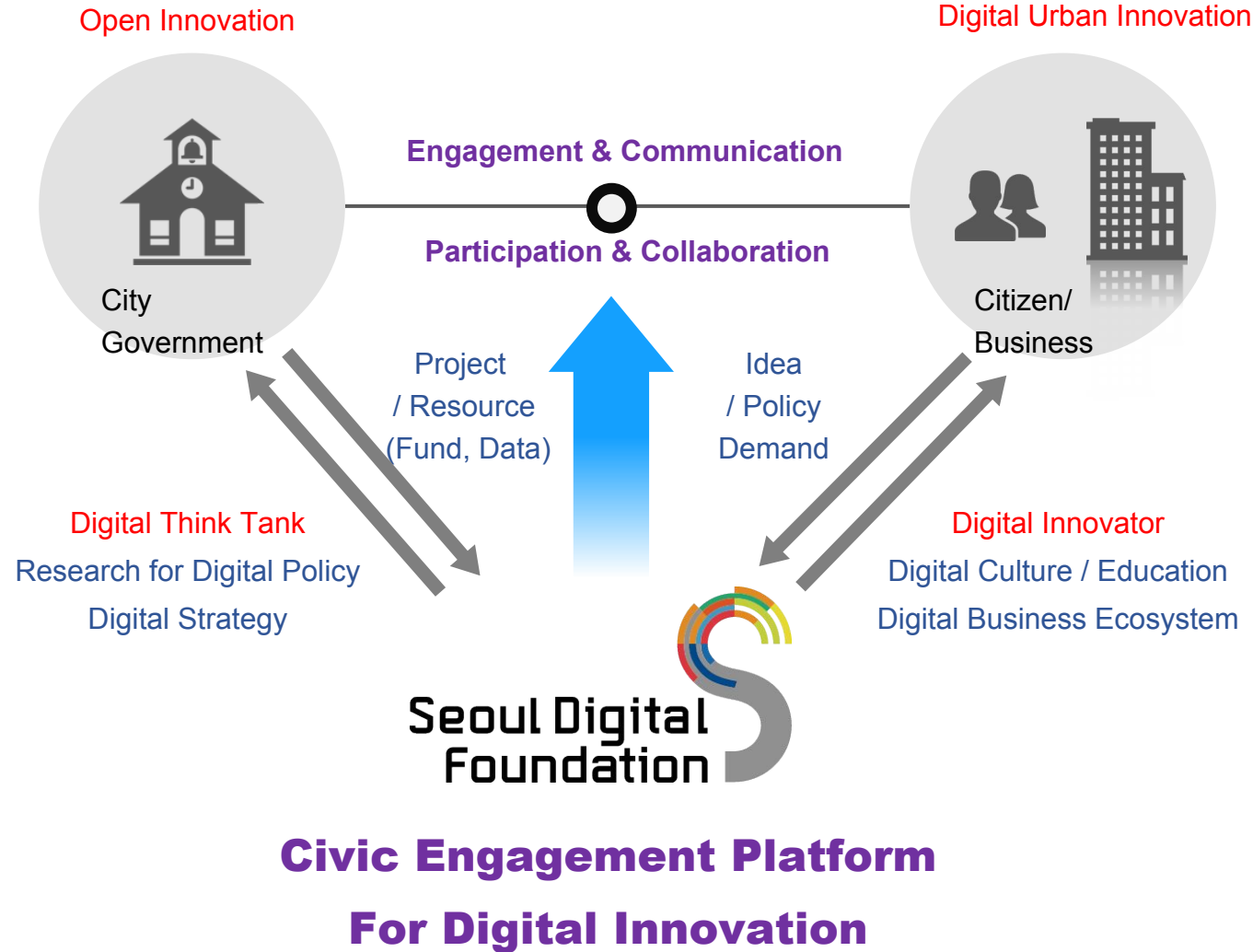
Promotion of smart and sustainable cities for the enhanced well-being of urban citizens

Provision of solutions for diverse social challenges in Seoul using the power of technologies

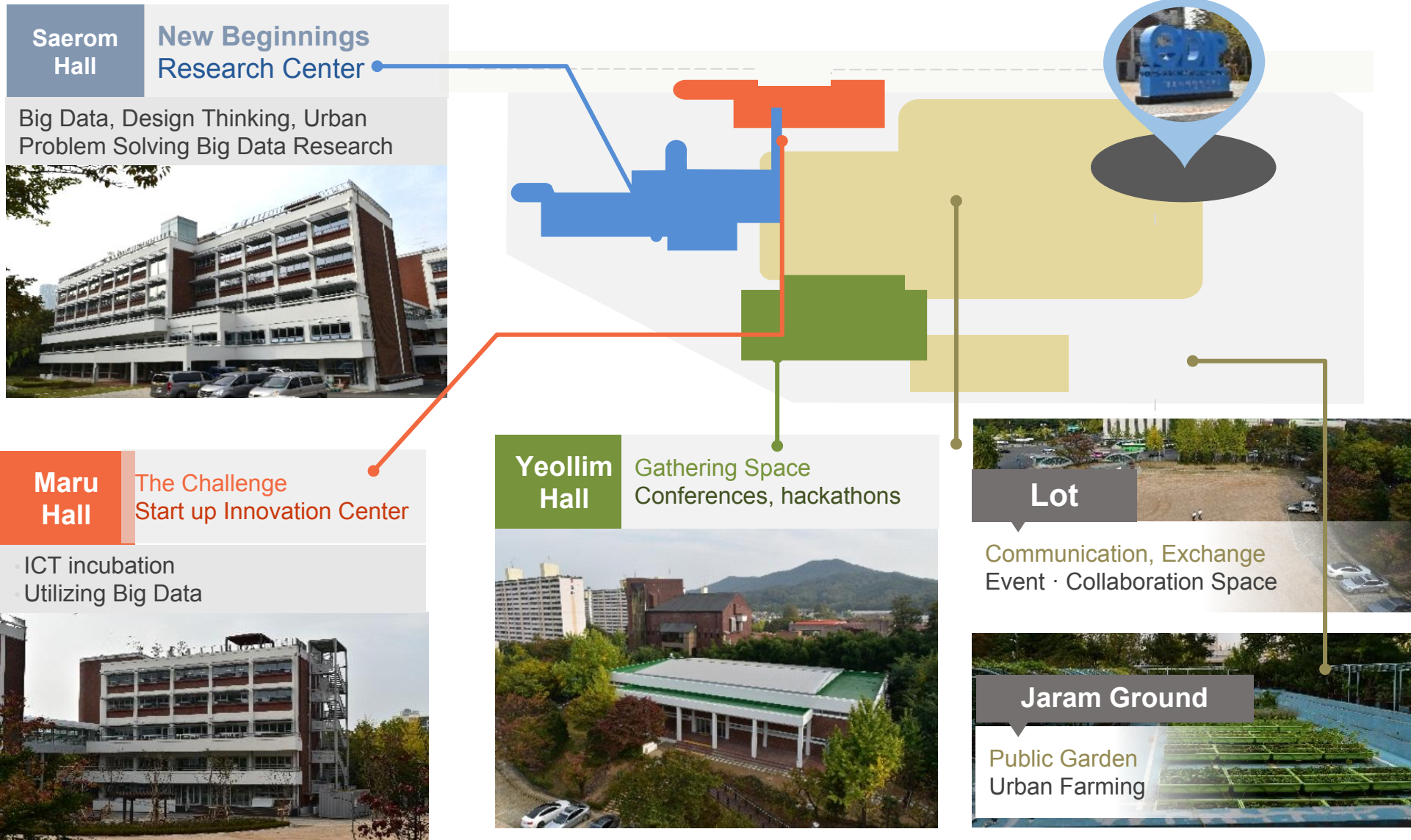
- Established in June 2016 as a city government-funded agency
- Website : <http://www.sdf.seoul.kr>



City with Innovation

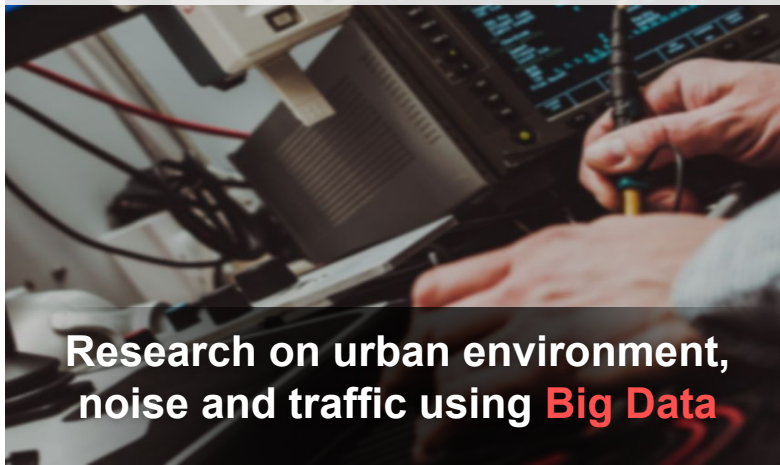


Gaepo Digital Innovation Park (GDIP)



Gaepo Digital Innovation Park (GDIP)

Urban Data Science Lab with SNU



Research on urban environment, noise and traffic using **Big Data**

Design Thinking Center with SAP



Promote **Design Thinking Education** for problem solving

Start-up Incubating with D.CAMP



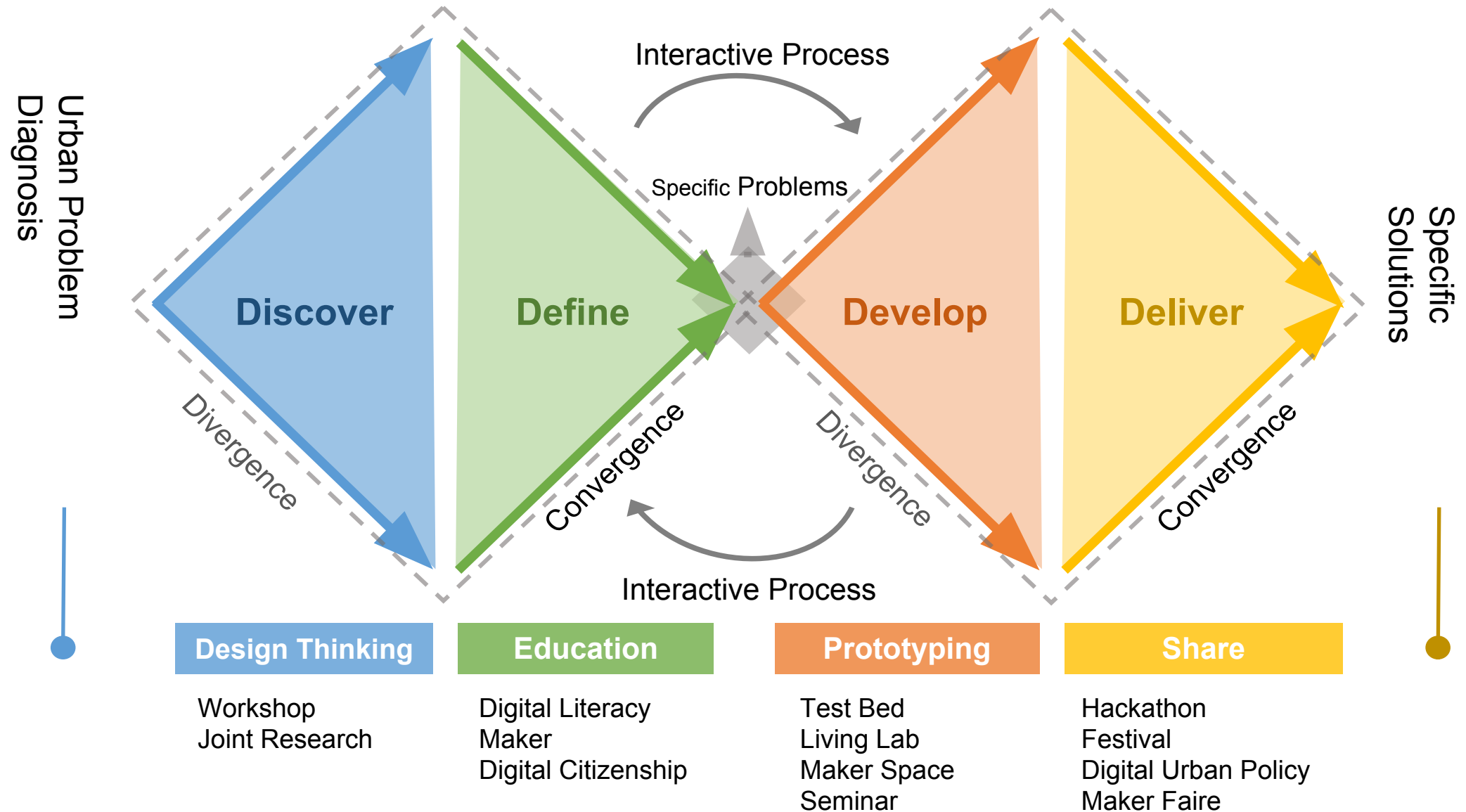
Youths who dream of IT-related start-ups, **Start-up education and support**

Big Data Campus with SMG



4,500 Big Data Provided to citizens

The Process of Citizen Engagement Programs



The Process of Citizen Engagement Programs

1. Design thinking



2. Education



3. Prototyping



4. Sharing

Citizen engagement project : **Urban Fine Dust**

Step1. Design Thinking

Step 2. Education

Step 3. Prototyping

Step 4. Sharing

Defining problems

- Lack of fine dust measuring station
- Inaccurate Information etc.

Provide Maker comprehensive education course

- Arduino base, Demonstration test, Project-type curriculum



Global Innovation Park Alliance (tentative)

1. Joint Agenda

Solving Urban Issues

Civic Engagement

Joint Projects

2. Organization

Executive Office

SMG, Seoul Digital
Foundation

Members

Amsterdam,
HongKong, etc

Advisory Organization

UN, Nonprofit
organizations, etc

3. Main Contents

Sharing Knowledge

Learning social
innovation Model

Promoting Joint
projects

Thank you

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