Multidisciplinary Effort

- Smart Cities
- SDGs
- Land Administration and Management
- Land Tenure
- Land Rights

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In collaboration with:
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Hyper-Connected Communities

Nations
“Imagined Communities”

Global Communities

Print Capitalism 
Digital Technologies

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Interconnectivity of Global Challenges

1 The challenges and problems of one nation are not independent from others, they are connected on a global scale.

2 The challenges and problems in different domains (economic, environmental, social, technical, etc.) are connected.

The development of inclusive, productive, sustainable, and timely solutions are subject to the connectivity of our challenges.

Understanding Our World
Rapid Urbanization: A Global Challenge

Equal Access to Essential Infrastructure and Services

Secure Land Rights

Geospatial Information

Rapid Urbanization Requirements

Open Data

Evidence Based Decision Making

Spatial Inclusion

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Global Challenges Have Location-Based Patterns

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SDGs Targets and Indicators Related to Land Administration and Spatial Data

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A smart city aims to provide the optimal solution for the challenges that rise from rapid urbanization.

The function of smart cities should exceed beyond the application of ICTs and should incorporate **sustainability, inclusivity, and good governance**.

**Smart Cities for All**
Leaving No One Behind

In 2015, 193 Member States adopted the 17 SDGs and subsequently vowed to leave no one behind in the process.

The call to improve the quality of life for every individual holds the global community responsible for developing future smart cities that have the capacity to function under diverse circumstances.

Infrastructures that are scalable, adoptable, localizable, and inclusive.
Mobilization and Action

Function and Strategic Pathways

- Local to Global Monitoring
- Increase Manageability
- Informed Decision Making
- Ensure Accountability
- Develop Implementation Strategies
- Measure Progress

Standards
Governance
Open Data
Citizen-Generated Data
National statistical systems need to invest in the technology and skills necessary to **collect** and **integrate data** from multiple sources at different levels of detail.  

(The Sustainable Development Report 2017)
UN-GGIM Academic Network will be developing a similar platform for SDGs related research; linking the research across different locations, goals, and disciplines.
Towards a Roadmap - Early Developments

Smart Cities

Frameworks

UN-GGIM 2017-2021 Strategic Framework

Urban Features

Geospatial Data

Land

SDGs

Open Data

National Frameworks

Smart Communities

Habitat III Urban Agenda

Smart Infrastructures

Smart Governance

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Fundamental Requirements

- **Data** (*open data, linked data, big data, authoritative and volunteer and crowdsource data*)
- **Development of Standards** (*ISO, OGC, etc.*)
- **Infrastructures**
- **Indicator Development and Registry**
- **Community Engagement**
- **National Framework and Strategic Roadmap**
- **...**
Take-away Message

- Connectivit y
- Scalability
- Local to Global Approach
- Inclusivity

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Smart Cities for All

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