City University of New York (CUNY)

CUNY Academic Works

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Global to Local: Creating 'Glocal' Links for Diplomacy

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GLOBAL TO LOCAL: CREATING '*GLOCAL*' LINKS FOR DIPLOMACY

BY RHONDA BINDA, ESQ.
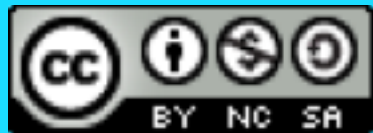
GLOBAL TRENDS

- 100s of local/global organizations

- Technology meets Urbanization

- Cities as a Global Model: cities are improving lives and making a disproportionate impact

- Cities have become models for governments across the world on how to address global challenges

World Bank Headquarters, Washington, D.C.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

In Jan. 2010, US Mayors upon returning from the COP climate change meetings in Europe, demanded that the US Department of State afford them the opportunity to join US diplomats in negotiations in future climate meetings.

Secretary Clinton created the Special Representative's Office for Global Intergovernmental Affairs, thus including for the first time local officials in international multilateral negotiations.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

Over the past few years, cities—and especially "smart cities" are leapfrogging progress on several international metrics by leveraging technology to modernize their services and infrastructure—have emerged as leaders on key issues of international concern.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

In 2017, Hidalgo and Horacio Rodríguez Larreta, Mayor of Buenos Aires, spearheaded the Urban 20 (U20), a platform for major cities in G20 countries to bring their "urban perspective" to the G20 member states in tackling common problems, showcasing their innovative approaches leveraging emerging technologies at the local level to tackle global issues.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

In April 2018, mayors from 20 cities signed the U20's first Joint Declaration; six months later, representatives from more than 30 cities convened for the U20's inaugural summit in Buenos Aires.

MAYORS AND GOVERNORS GET A SEAT AT THE INTERNATIONAL TABLE

This summer, Los Angeles, CA Mayor Eric Garcetti had a private audience the Pope Francis at the Vatican, where the two discussed climate change, poverty, youth, and immigration.

TECHNOLOGY MEETS URBANIZATION

- There are over 200 local-global organizations impacting international relations and policy, largely because of the pace at which cities are using and embracing technology and innovation.

SMART CITIES OF THE FUTURE

THREE PILLARS FOR A SMART AND CONNECTED CITY OR COMMUNITY

100% CONNECTED
100% MOBILE
100% RESILIENT

100% CONNECTED

- *Infrastructure*
- *People*
- *Things*
- *Data*
- *Energy*
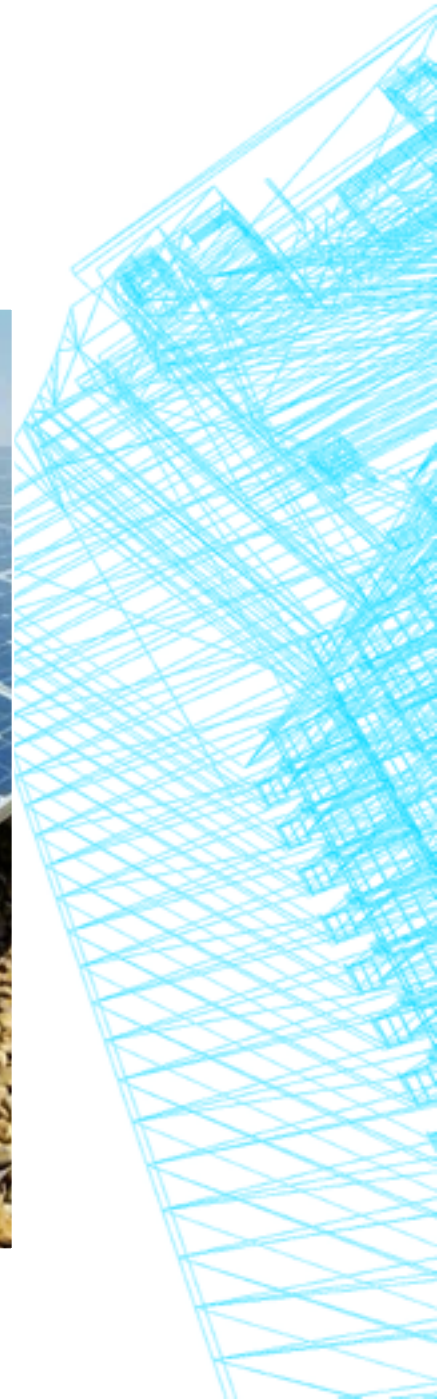
100% MOBILE

- *Transportation*
- *Transit + Access*
- *Logistics Hubs*
- *Airports/Ports*

100% RESILIENT

- *Secure*
- *Safe*
- *Sustainable Environmental, Economic & Social*
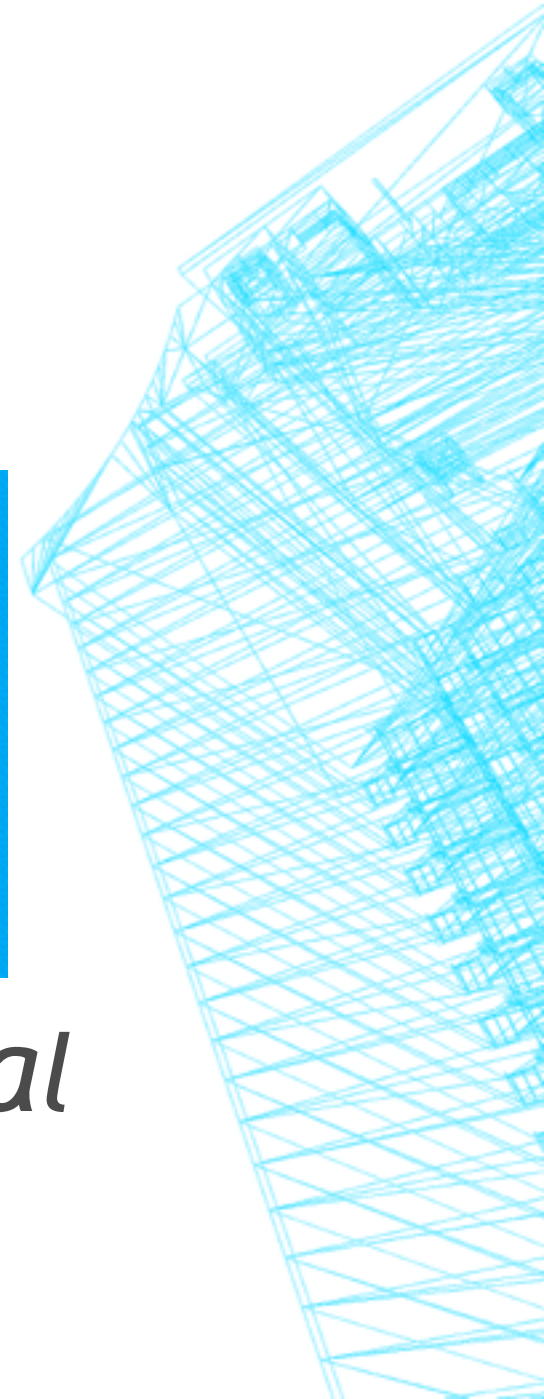
US EXAMPLE: JAMAICA, QUEENS, NYC

3T Strategy

- Technology
- Tourism
- Transportation

US EXAMPLE: JAMAICA, QUEENS, NYC

Technology: Universal Broadband and Digital Literacy Movement

Tourism: Jameco Exchange Art Gallery inclusive of Digital Art

ASIAN EX: SHENZHEN, CHINA

- Safety, central nerve
- Transportation
- Tourism adding green spaces throughout

ASIAN EX: SHENZHEN, CHINA
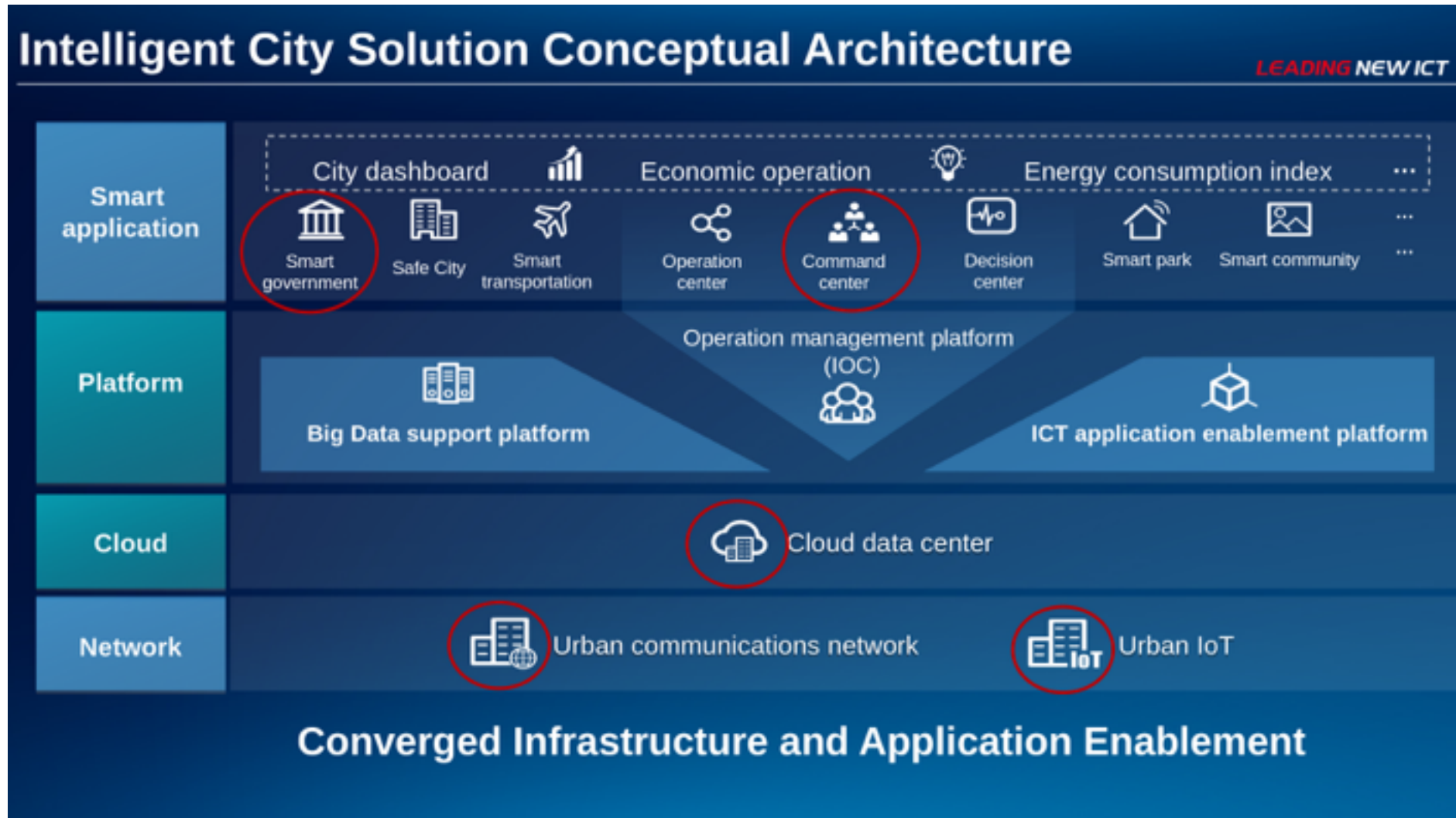
EUROPEAN EX: E-ESTONIA

- **99% Gov Services on-line**

- **98% Electronic identity cards**

- **46.7% i-Voting**

- **In 2017 became legal to test self-driving vehicles on all roads**

SMART VILLAGES AND TOWNS

- 3.4 billion rural people in the world that do not have access to global markets

- Enabling entrepreneurship, job training and onboarding to open innovation platforms

- Low cost and low energy

- www.smartvillagemovement.org/

"The internet is becoming the town hall of the global village of tomorrow" Bill Gates, Business Magnate & Philanthropist

FROM CITIES TO SMART REGIONS

- Smart Regions 2018 Infrastructure Challenge
- Economies of Scale
- Wider impact
- Leveraging resources
- Leveraging collective data

Slovakia Smart Regions

GLOBAL STANDARDS

Smart Cities Standards

IEEE-SA P2784: The Guide to the Technology and Process to Build A Smart City helps planners create interoperable and resilient smart city success stories

IEEE Standards Help Enable Smart City Technologies for Humanity

Smart Grid
IEEE 1547™ Series DER
IEEE 1815™ Distributed Network Protocol
IEEE 2030™ Series Interoperability
IEEE C37™ Series Grid Critical Infrastructure

Learning Technologies
IEEE 1484™ Series eLearning Technologies
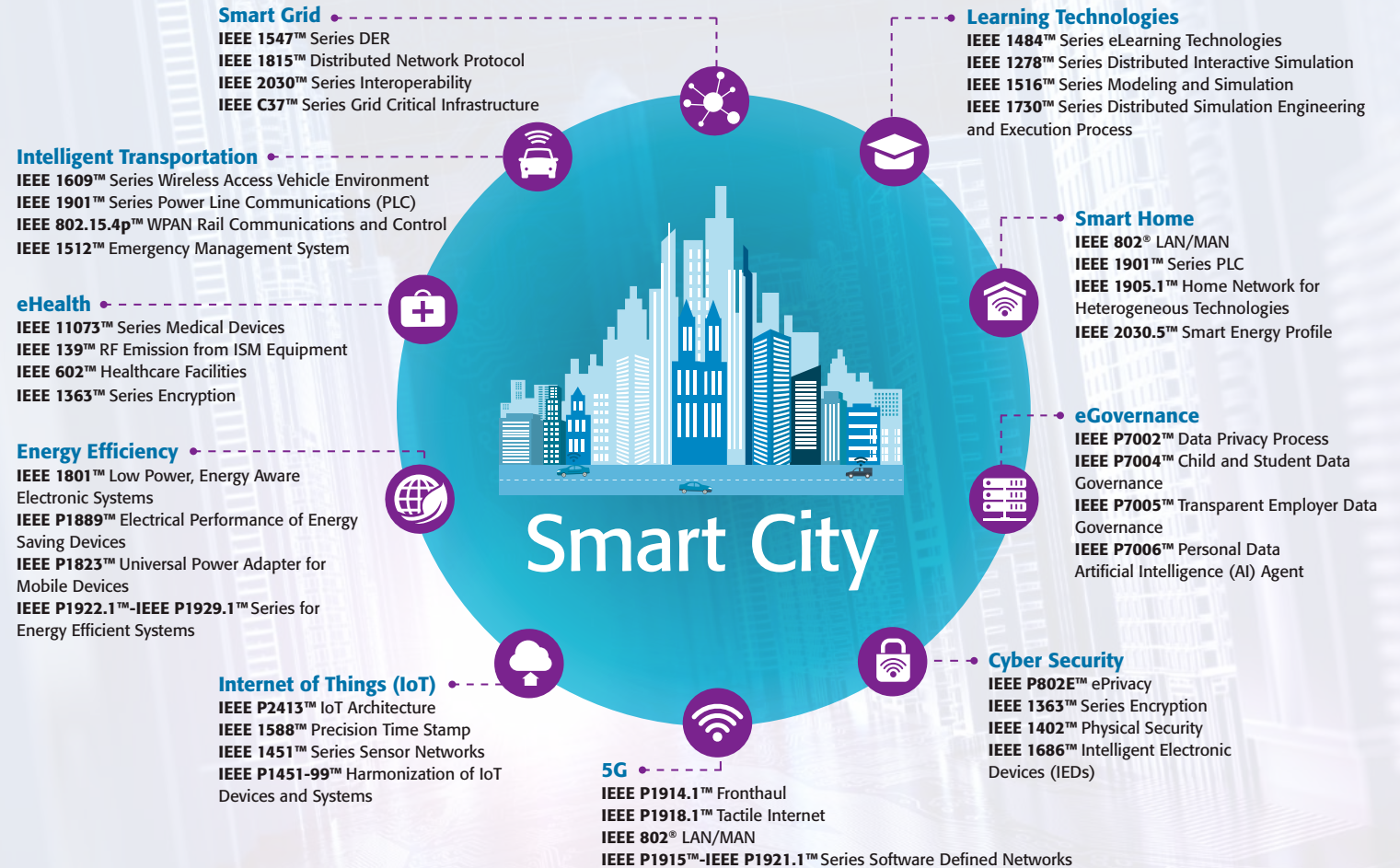IEEE 1278™ Series Distributed Interactive Simulation
IEEE 1516™ Series Modeling and Simulation
IEEE 1730™ Series Distributed Simulation Engineering and Execution Process

Intelligent Transportation
IEEE 1609™ Series Wireless Access Vehicle Environment
IEEE 1901™ Series Power Line Communications (PLC)
IEEE 802.15.4p™ WPAN Rail Communications and Control
IEEE 1512™ Emergency Management System

Smart Home
IEEE 802® LAN/MAN
IEEE 1901™ Series PLC
IEEE 1905.1™ Home Network for Heterogeneous Technologies
IEEE 2030.5™ Smart Energy Profile

eHealth
IEEE 11073™ Series Medical Devices
IEEE 139™ RF Emission from ISM Equipment
IEEE 602™ Healthcare Facilities
IEEE 1363™ Series Encryption

eGovernance
IEEE P7002™ Data Privacy Process
IEEE P7004™ Child and Student Data Governance
IEEE P7005™ Transparent Employer Data Governance
IEEE P7006™ Personal Data Artificial Intelligence (AI) Agent

Energy Efficiency
IEEE 1801™ Low Power, Energy Aware Electronic Systems
IEEE P1889™ Electrical Performance of Energy Saving Devices
IEEE P1823™ Universal Power Adapter for Mobile Devices
IEEE P1922.1™-IEEE P1929.1™ Series for Energy Efficient Systems

Internet of Things (IoT)
IEEE P2413™ IoT Architecture
IEEE 1588™ Precision Time Stamp
IEEE 1451™ Series Sensor Networks
IEEE P1451-99™ Harmonization of IoT Devices and Systems

Cyber Security
IEEE P802E™ ePrivacy
IEEE 1363™ Series Encryption
IEEE 1402™ Physical Security
IEEE 1686™ Intelligent Electronic Devices (IEDs)

5G
IEEE P1914.1™ Fronthaul
IEEE P1918.1™ Tactile Internet
IEEE 802® LAN/MAN
IEEE P1915™-IEEE P1921.1™ Series Software Defined Networks

Smart City

IEEE STANDARDS ASSOCIATION

◆IEEE

GLOBAL TREND: DATA IS THE NEW OIL

- Will it be a curse or blessing?
- How is privacy protected and how do we create individual, government and global standards?
- Can we create new government or public policy organizations?

GLOBAL TREND: INNOVATION 2.0

Universities as Innovation Hubs

- Decentralized model as opposed to giant manufacturing hubs

- Workforce of the future - responsibility to teach, educate and train for the jobs of the future remains local

GLOBAL TREND: USE OF AI/ML

- In 2019 US Dept. of Commerce's Global Cities Teams Connect, launched two new superclusters on AI/ML and Smart Buildings with hundreds of cities and mayors around the world to create global standards

THE BEST WAY TO PREDICT THE FUTURE IS TO DESIGN IT YOURSELF!

THANK YOU!

@rhondabinda

LinkedIn, FB, IG, Twitter