



EUROPEAN COMMISSION
DIRECTORATE-GENERAL
REGIONAL AND URBAN POLICY



18th EUROPEAN WEEK of
REGIONS and **CITIES**

05>09 OCTOBER 2020 12>16 OCTOBER 2020 19>22 OCTOBER 2020



International cooperation for innovation in urban
development policy and practice: results and
perspectives from IUC ASIA (China, India, Japan)
13 Oct. 2020

Session 2: Green Deal: Circular Economy and
Energy Transition

CHENGDU(China)

Cooperation with: IUC – Manchester / Rome

Yi LIU

Deputy Director, Energy Internet Research Institute

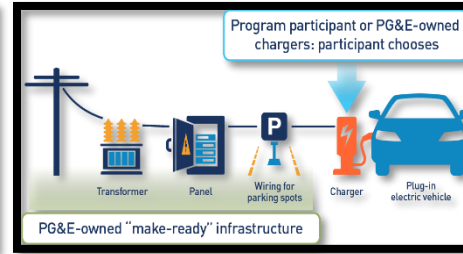
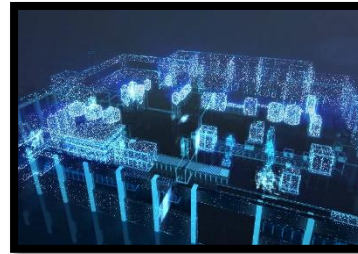


A European Union
Programme

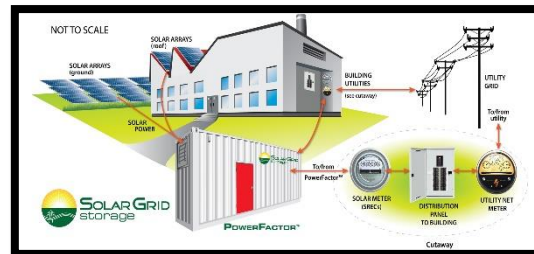
Energy Internet Research Institute, Tsinghua University



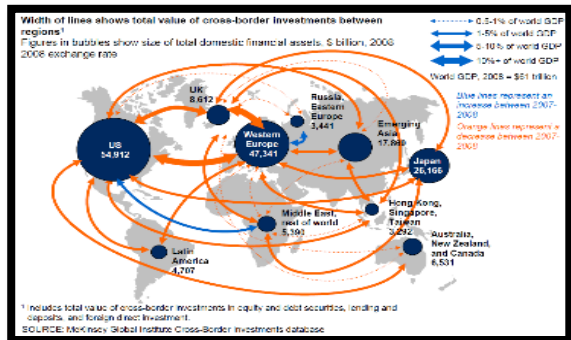
Clean Energy Development & Utilization



Energy Digitalization EV & Infrastructure



Energy Storage Hydrogen Power



Cross Border Collaboration

Developing New Technologies

Incubating Start-ups

Building Clean Tech Community Worldwide

Developing New Technologies

1st Institute established solely focusing on these areas

250+ full-time employees

Well Connected to big energy corps in China
Nearly **15 million USD** annual R&D income
from **top 10 energy corps** in China

Renowned for defining and promoting
Energy Internet in China

Wrote national **Energy Internet**
promotion policy, evaluated **55**
national pilot projects nationwide, total
investments more than **4.5 billion USD**

Incubating New Startups

13 graduated incubatees
in **3** years, total valuation **400**
million USD

易冲无线科技有限公司

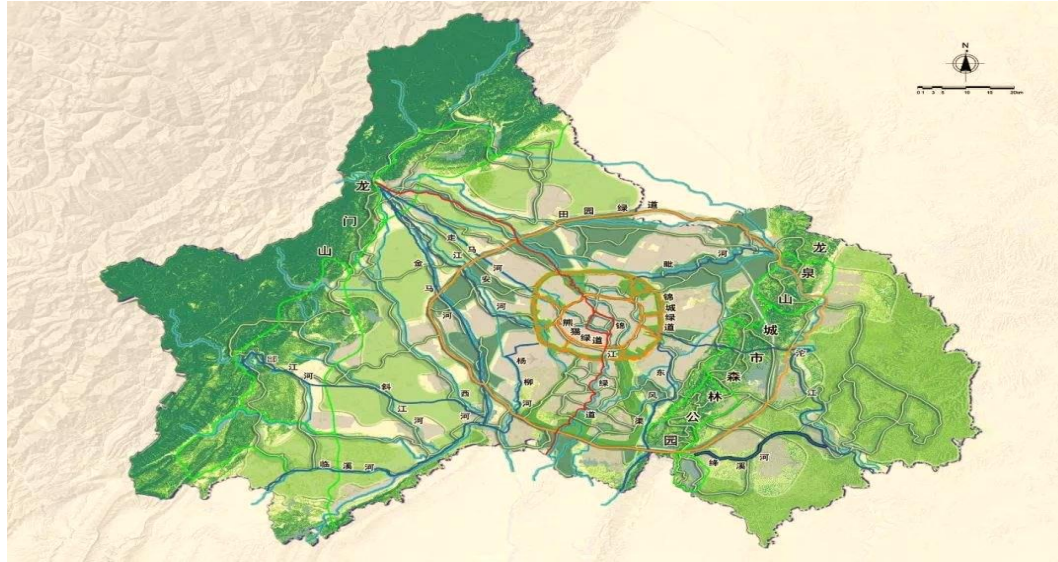
云科新能源汽车技术有限公司

昆仑智汇数据科技有限公司

锋源创新科技成都有限公司

清蓉库博能源科技有限公司

**Center
City of
South
East
China**



Capital city of Sichuan Province

- Population: 16,581,000
- Area: 14,335 km²
- GDP: 1701.265 billion yuan (2019)
- 2nd Largest Number of Vehicles
- 3rd City with 2 airports

The past You know



- Panda Bear
- Spicy Hotpot
- Chuan Opera
- Majhong

The Future to expect



- National Central city
- Key City of BRI
- Gateway City to EU
- National Science Center

South of
Chengdu
City



Basic Information

- Approved in October 2014
- The 11th national New District
- Place Where Park City was first proposed



114

International/reg
ional routes



50 million

Annual passenger
throughput



> 400

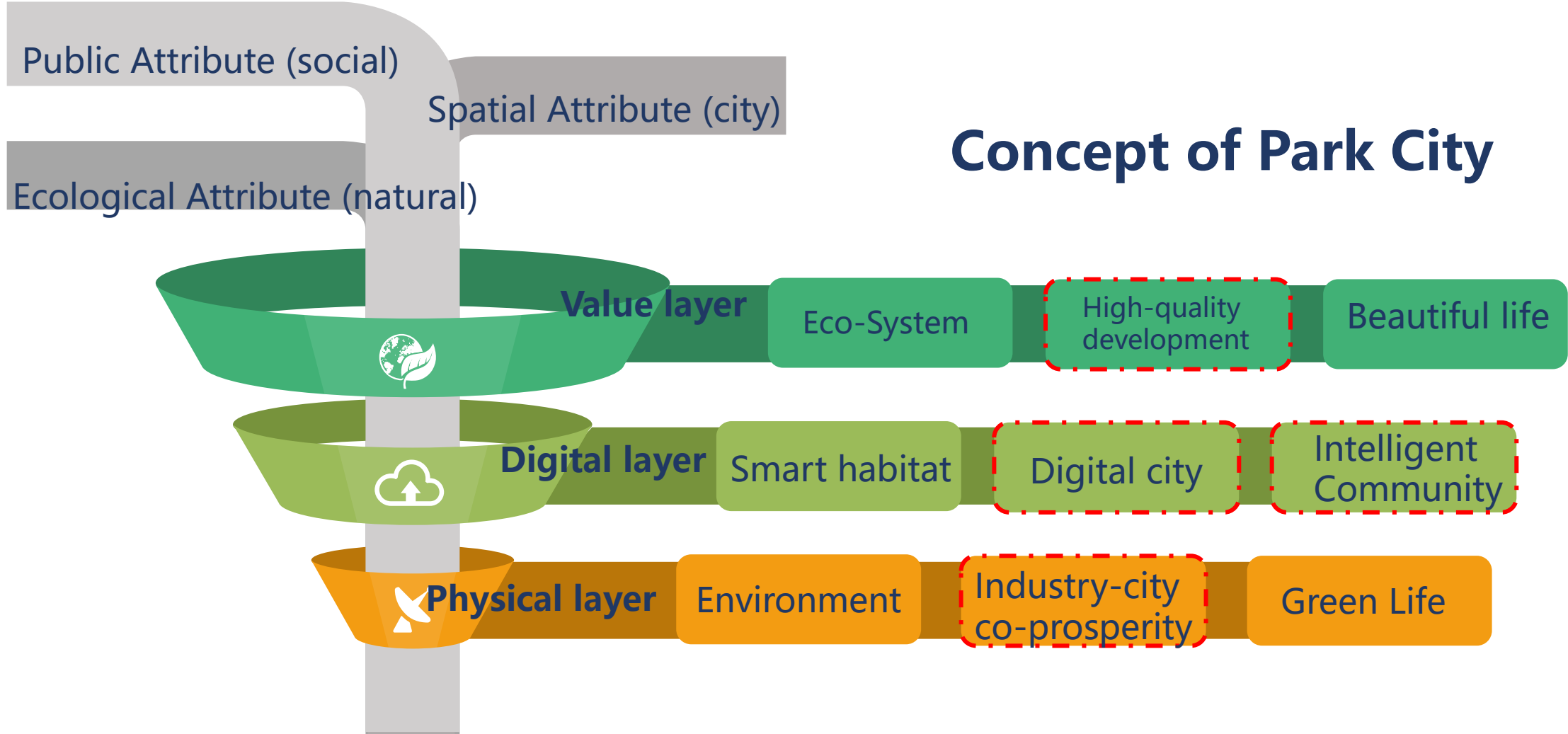
Innovation
companies



> 30

National scientific
research institutions

Concept of Park City



Sustainable City Development-A China Practice

Common Feature



- All-time clean energy supply, energy efficiency reaches the international advanced level, and terminal consumption is fully electrified

Luxizhigu Area



- Carry out multi-dimensional water system management, build a solid ecological foundation, and nurture new technologies and products of urban water ecology.

Center of Luxizhigu Area



- Energy data drives urban brains, and smart energy efficiency monitoring and evaluation leads to high-quality industrial development.

Energy Internet Industrial Park



- Use passive buildings, hydrogen energy communities, and integrated energy to create a new type of urban energy system that combines active and passive energy.

Park City Innovation Scenarios (City Opportunity List)



Goals

the first Park City in the World



Clean and Zero Carbon City

Energy consumption per unit of GDP is reduced by 25% compared to 2020
Electric energy accounts for the proportion of terminal energy consumption $\geq 35\%$



Smart Digital City

Infrastructure intelligence level $\geq 90\%$
Intelligent transportation level $\geq 95\%$



Ecologically resilient city

The greening target reaches the urban area $\geq 50\%$
The proportion of blue-green space $\geq 75\%$



CA Based International
NGO Supporting clean
energy entrepreneurs and
Startups All Over the World



清华大学

清华四川能源互联网研究院
Sichuan Energy Internet Research Institute, Tsinghua University

Chengdu and Beijing Based
Research Institute with Access to
All the Big Energy Corp in China



National New District, West
Science City of China, and 1st
Park City in the World



Funded by European
Commission promoting
sustainable urban
development cooperation.

2019 Energy Internet International Innovation & Entrepreneurship Summit



12 Countries

669 Participators

30 Cooperations

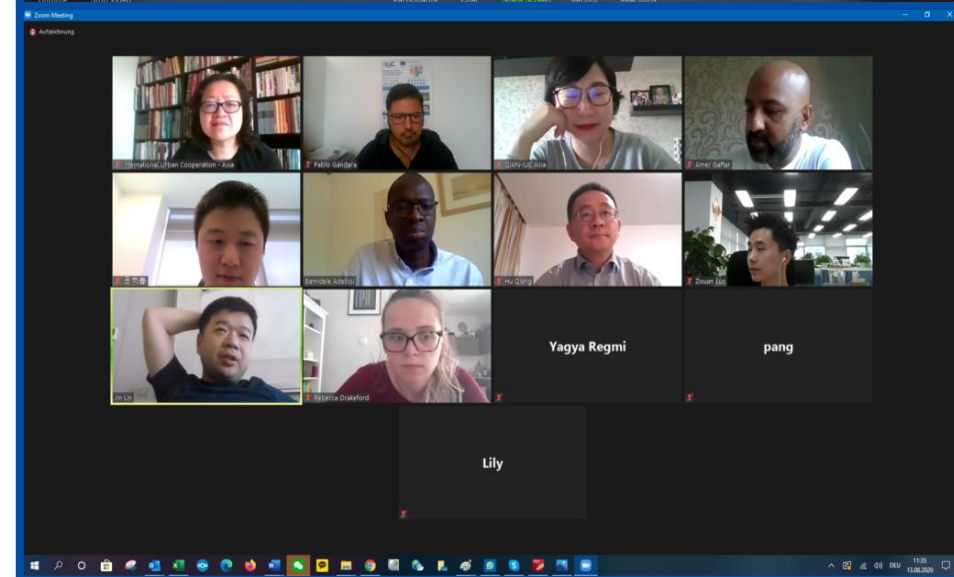
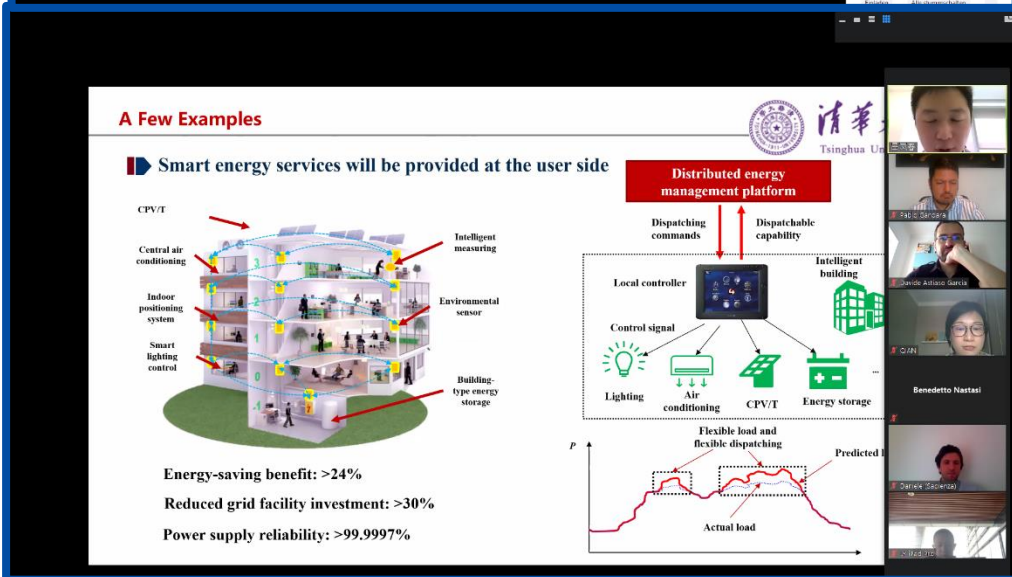
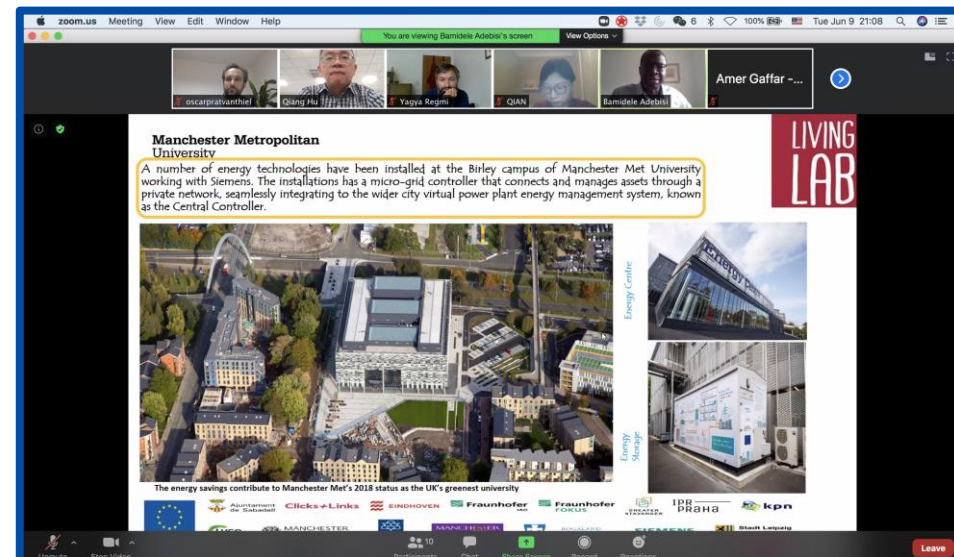
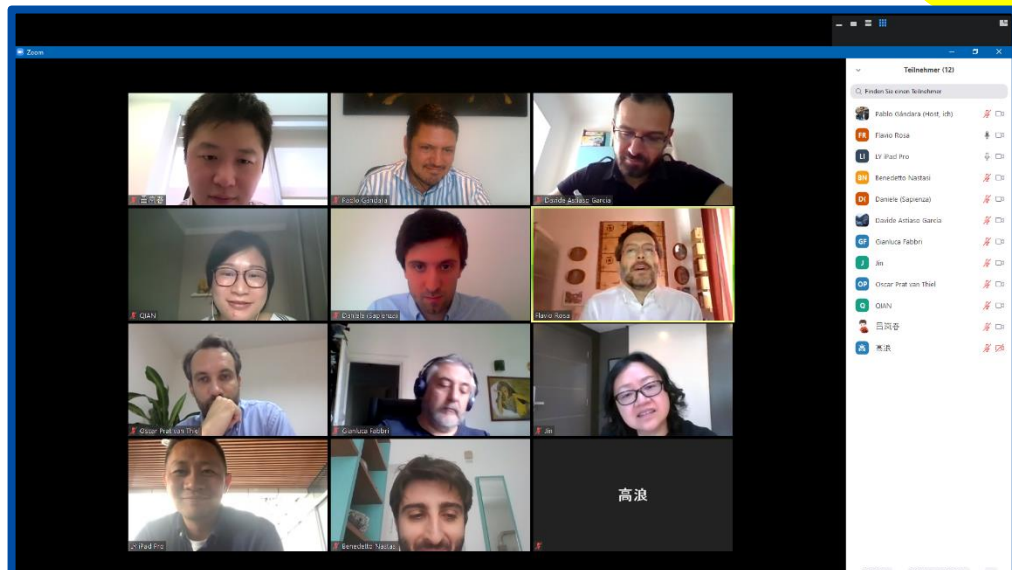
100w+ Read



2019 Onsite Meetings with EU Cities Experts



2020 Going Online – Few screenshots of recent meetings Rome & Manchester



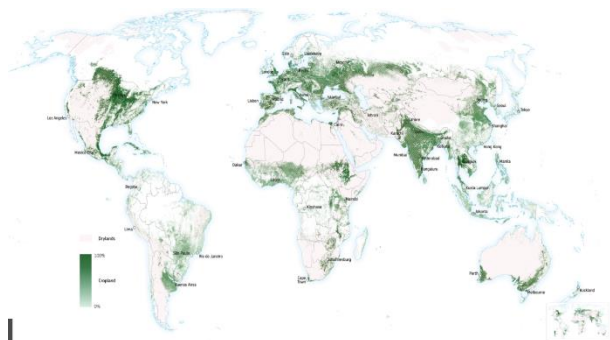
Next steps

- MoU to be signed with Rome Sapienza University and Manchester Metropolitan University
- Launching joint research programmes
- Launching joint new technology incubation activities for start-ups and university students
- Launching joint academic exchange programmes including summer schools, etc.
- Engaging with further European cities
- 2020 Energy Internet International Innovation & Entrepreneurship Summit (see next slide)



Keynotes

Energy Internet Practice of State Grid
New Infrastructure and Energy Internet
Energy Innovation of Tsinghua University
Innovation Environment of Chengdu City



Call for Actions

“Let’s Energize the World Together”

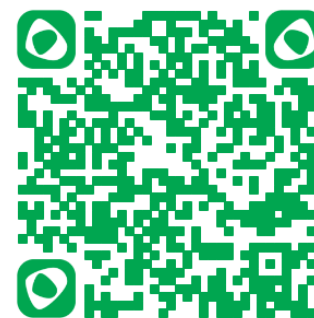


Innovation gathering

40+ New Energy Startups from **China**
20+ New Energy Startups from **Europe**
10+ New Energy Startups from **Other Developing Countries**

“

Scan for Details



”

“

Scan for Live Broadcast



”

simultaneous interpretation

Welcome to Chengdu