

# International Urban Cooperation

## Fostering Sustainable Urban Development on a global scale

### 3<sup>rd</sup> IUC CITY-TO-CITY EVENT- Brussels, 21 November 2019

Speakers: **Marco Agostini - ROMA CAPITALE**  
**Wennang WU - LIUZHOU**



# ROME & LIUZHOU: OUR COOPERATION ON SMART ENERGY DISTRICT & TOURISM





## ABOUT CITY of ROME

**Size/Density:** 1287 km<sup>2</sup> / 2.222 inhab/km<sup>2</sup>

**Urban/Rural:** 40% covered by Green Areas for Parks or Agriculture

**Main productions:** Construction and Maintenance; Trade and Retail; Services

**Strengths:** International Brand;

Capital level Services & Headquarters; Innovation, Research and Hi Level training; 360.000 companies

**Point of attractions:** Cultural Heritage / UNESCO sites / Historical City Center / Universities (44)

**Most relevant sectors:** Tourism, Advanced Tertiary Services, Manufacturing, Transport & Logistic, Agriculture.



## ABOUT CITY Y

**Size/Density:** 18.6 thousand km<sup>2</sup>/ 4.4million  
Urban/Rural: 64.5%

**Main productions:** Automotive, Machinery, NEV,  
Steel

**Strenghts:** Industry

**Main targets:** Full-scale cooperation in  
industry and high-tech, smart-city, education

**Point of attractions:** Environment, toursim,  
industrial base

**Most relevant sectors:** Automotive industry,  
industry 4.0, ICT, Education



# OUR CHALLENGES

- 1** | SUSTAINABLE CITIES AND COMMUNITIES (SDG11)
- Smart City for User-centered services & Decarbonisation for Urban Resilience

- 3** | RESPONSIBLE CONSUMPTION AND PRODUCTION (SDG12)
- Energy Efficiency and Circular Economy

- 5** | INDUSTRY, INNOVATION & INFRASTRUCTURE (SDG9)
- Supporting Green Economy within the
  - **Smart Energy District** new Model

- 2** | AFFORDABLE AND CLEAN ENERGY (SDG6)
- Renewable Energy Sources

- 4** | QUALITY EDUCATION (SDG4)
- Cooperation on Research and Training
  - Increasing Awareness on Sustainability

- 6** | PARTNERSHIPS FOR THE GOALS (SDG17)
- Enforce the Cooperation Framework within the Triple Helix approach

# OUR GOALS

a

## SMART ENERGY DISTRICT

- A new Urban Development Model preparing the shift to Smart Positive Energy Districts, starting from a **Pilot Area in Liuzhou**.
- **Good Practices Transfer from Rome & Barcelona**

b

## DIGITALISATION OF DESIGN AND PLANNING WORKFLOW

- BIM & GIS integration toward
- City Information Modeling - CIM

c

## CREATING OPPORTUNITIES FOR COMPANIES INVESTMENTS

- EU-China Technology Innovation Center in Liuzhou
- Open Incubator on New Technologies in Rome

d

## JOINT RESEARCH & TRAINING PROGRAMMES

- University Level cooperation.
- Vocational Training courses.

e

## BILATERAL TOURISM

- Improving mutual promotion.
- Supporting bilateral incoming.
- Smart Tourism initiatives.

f

## CULTURAL HERITAGE PRESERVATION

- Sharing methodologies and Techniques

# OUR WORK TOGETHER

Integrating the SMART ENERGY DISTRICT concept of **Rome** and the SMART CITY DISTRICT concept of **Barcelona** to build a cluster of cooperation with the LIUZHOU NEW DISTRICTS

1. Preparing a Showcase of the Smart Energy District of Rome and Barcelona to Liuzhou
2. Co-working to identify and Jointly establish a **demo zone of new Smart District in Liuzhou**
3. Organizing workshops for local stakeholders for knowledge exchange

Designing an **Educational Cooperation Package**

1. University level Joint Research on Sustainability, Energy Transition and Digitalisation issues
2. Exchanging students and experts (International Summer Schools)
3. Training on Job activities for young students from Vocational Schools

Organising **next visit to Rome and to Liuzhou.**

Launching a next Workshop focusing the nexus and synergies between **Smart City and Tourism.**

# OUR RESULTS

1. City to City cooperation MOU signature.
2. Liudong New District and FREE Network signed a MOU. FREE launched an internal call among 3000 associated companies of the renewable energy and energy efficiency sector to assess the opportunities to invest or establish seats or plants in Liuzhou new Districts.
3. University Sapienza of Rome signed a MOU with Liudong New District for a long term win-win cooperation on Sustainable Design and Energy Planning.
4. Jointly developed **International Summer School** hi-level courses in Rome and in Liuzhou. Sapienza University is launching the first Summer School in Rome on *BIM & GIS for digital integrated design* focusing on the Smart Energy District
5. Sapienza University signed **agreements with 2 Liuzhou Vocational training schools**.



# THANK YOU!

Contacts:

Speaker : Marco AGOSTINI, *City of Rome (Italy)*

[marco.agostini@comune.roma.it](mailto:marco.agostini@comune.roma.it)

Speaker : Wenneng WU, *City of Liuzhou (China)*

