



# Silk Road Smart City International Think Tank

United Nations Maritime and Continental Silk Road  
Cities Alliance- Smart City & New Industry Committee  
UNMCSR-SNC  
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# Silk Road Smart City International Think Tank



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## Proposed Mission of the Think Tank

Through the versatile UN global network, the academic capacity of leading institutions, as well as the application arms of local organizations and public bodies, the think tank will undertake applied research and consulting services related to smart city development. International events and on-ground projects will be facilitated by the think tank along the silk road cities to achieve maximal sustainable development regardless of the current developmental status of each city along the silk road.

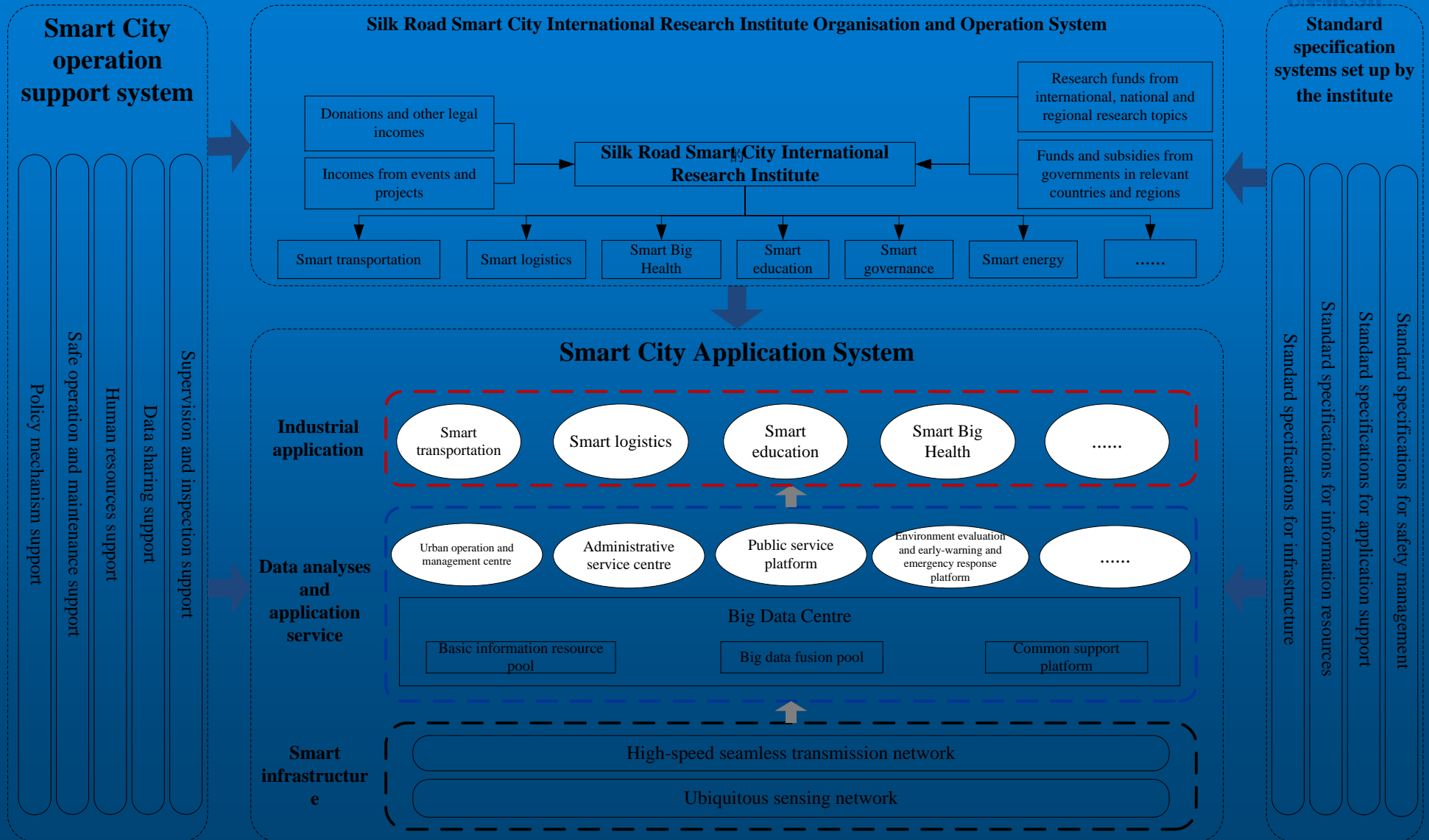
# Significance



- **Research:** The think tank coordinate and delegate global top-notch resources to conduct scientific researches in the areas of Smart City and urbanisation across the economically and culturally diverse cities of the silk road. The main purpose of the research is creating guidelines and frameworks that would aid industries and policymakers alike in their endeavours to make cities more liveable.
- **Consultancy:** The think tank will provide consulting service to relevant government departments, urban administrators and enterprises with different backgrounds. The core is to promote evidence based policies and using quantitative and qualitative methods to problem solving.
- **Project construction:** Using new information technologies like Internet of Things, Cloud Computing and Big Data, the think tank will promote IT infrastructural construction in countries and cities along the Silk Road. Then, it will further promote Smart Cities models that cater to the specific needs of each city.
- **Capacity Building:** Capacity building and talent management are essential for developing a generation of professionals in all sectors that can deliver what a smart city promises. Hence, it is a cornerstone of the think tank's priority work.

# Framework

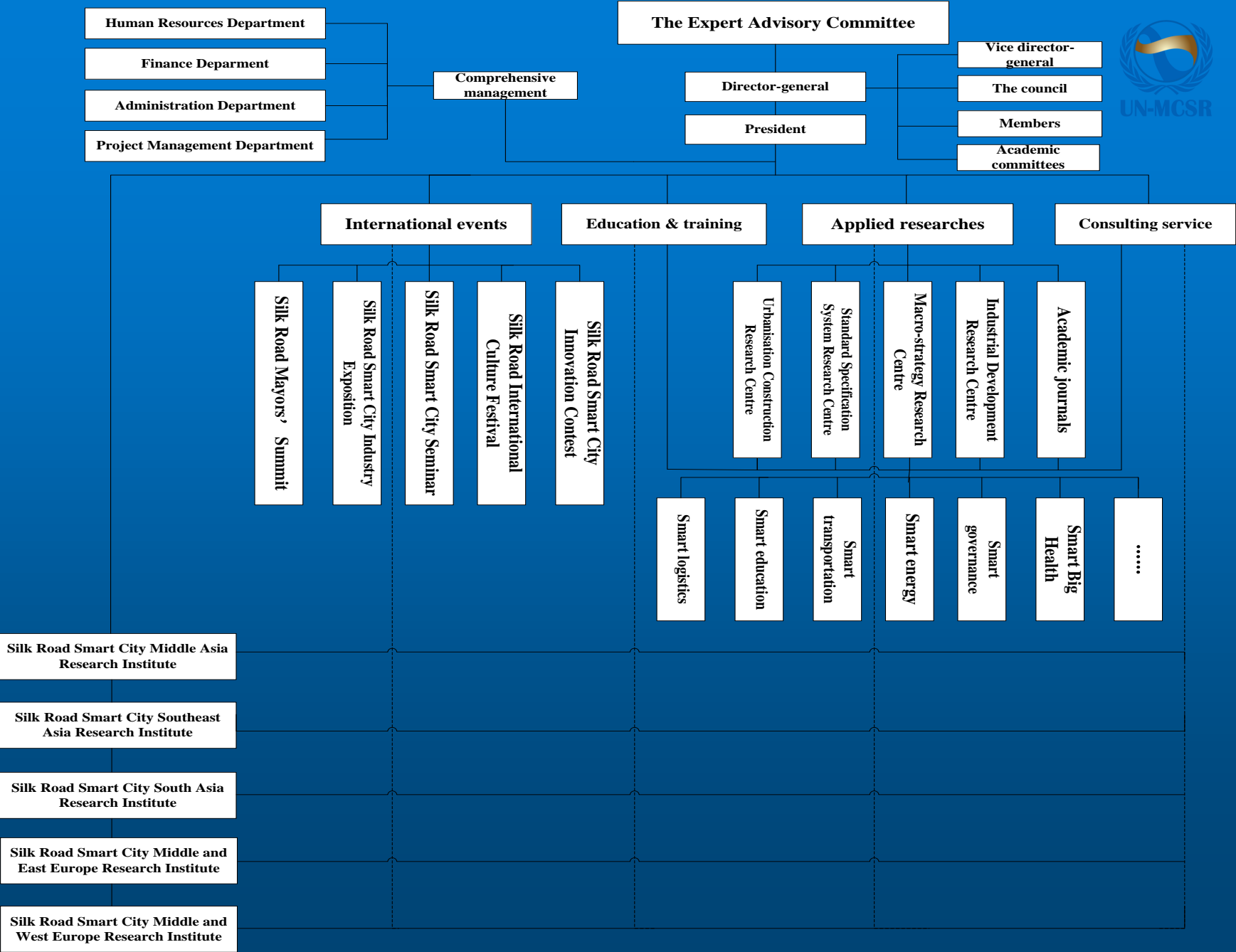
Using new information technologies like Internet of Things, Cloud Computing, Big Data, Mobile Internet and Spatial Geographic Information, the think tank will aid sustainable development of urban economy, society, culture and environment .



# Organisation Chart

There are four divisions under the institute, respectively accounting for applied researches, consulting service, education & training and international events.

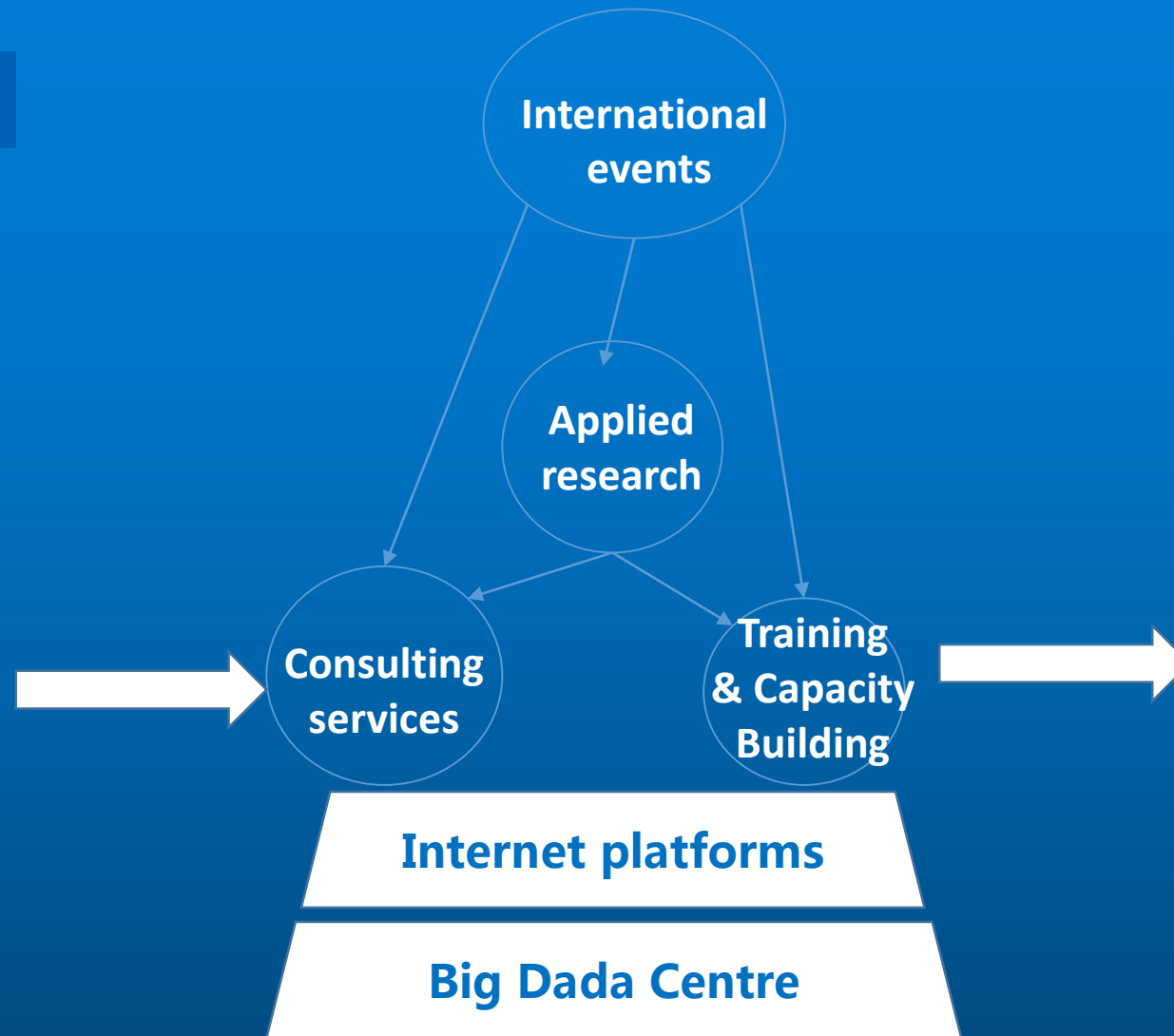
The institute has five branches, namely the Silk Road Middle Asia Institute, the Silk Road Southeast Asia Institute, the Silk Road South Asia Institute, the Silk Road Middle and East Europe Institute and the Silk Road Middle and West Europe Institute.



# Operational Mode



## Resource Integration



## Service Receipients



Through the support of UN system, the institute will integrate global resources based on the Big Data and virtual platforms. It will focus on international events and applied research in the relevant areas of Smart City. Meanwhile, it will provide consulting service for government agencies, intergovernmental organisations and enterprises and drive the integration of knowledge.

# Applied Research

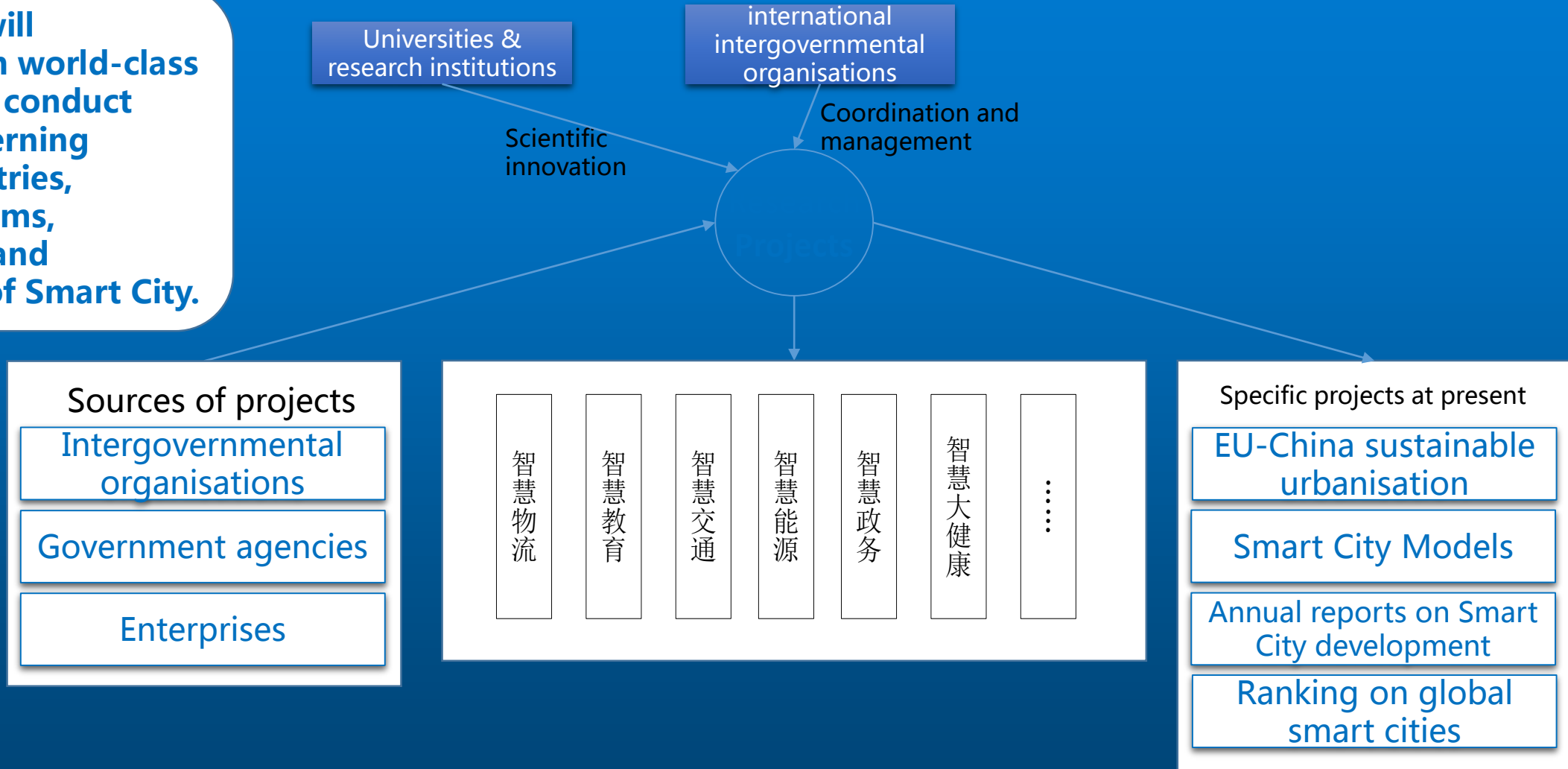
The institute will cooperate with world-class universities to conduct research concerning relevant industries, standard systems, management and technologies of Smart City.



EU Horizon 2020



UNMCSR-SNC

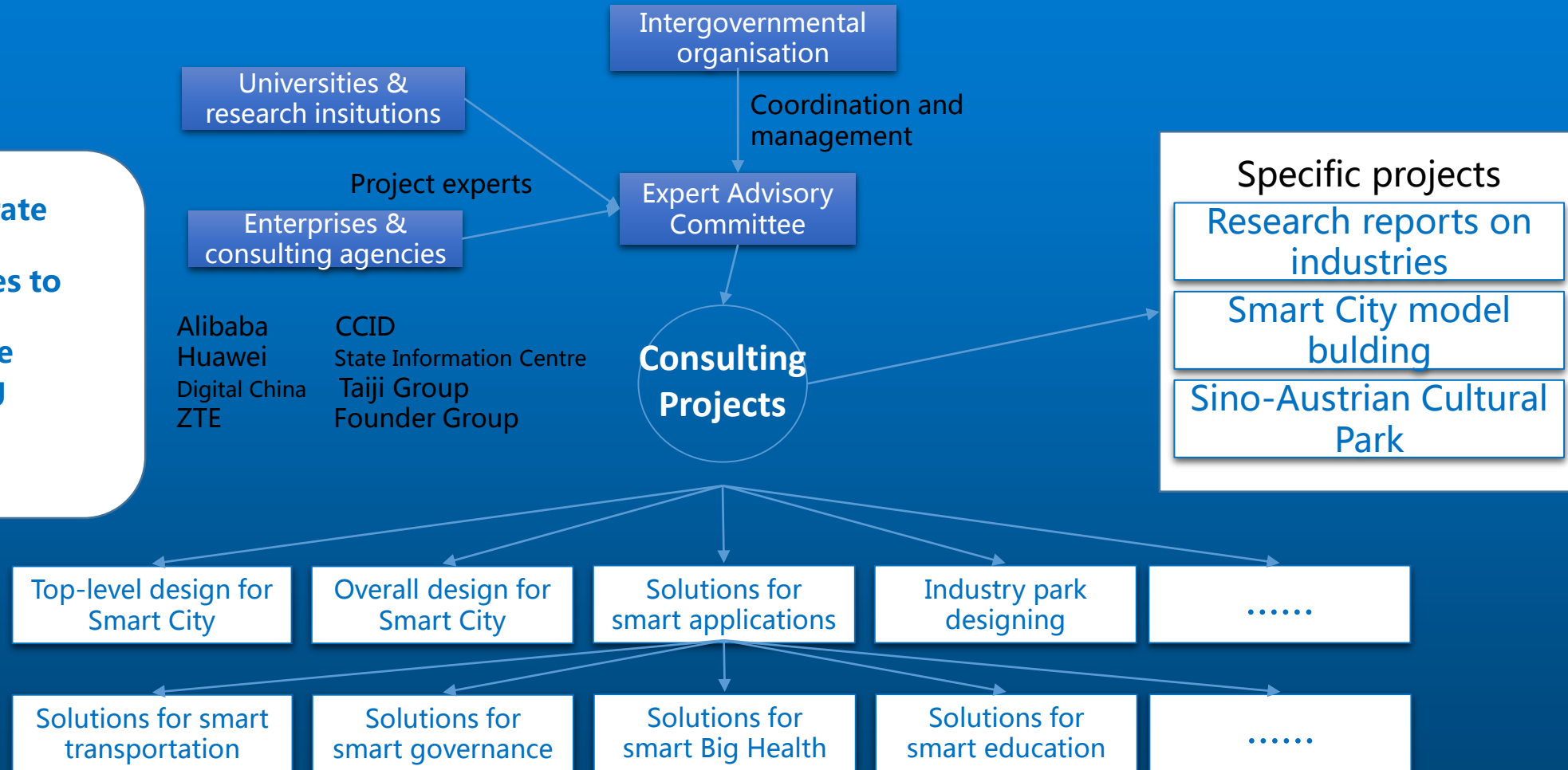




# Consulting Service



The think tank will cooperate with world-class research institutions and enterprises to form an expert advisory committee the will provide evidence based consulting service for Smart City construction.





UNMCSR-SNC



UNITAR



Universities &  
Research Institutions

International  
organisations

Enterprises

Experts and  
instructors

Coordination and  
management

Project experts

Silk Road Smart City  
Academy

Alibaba  
Huawei  
Digital China  
ZTE

CCID  
State Information Centre  
Taiji Group  
Founder Group

Education &  
training

Administrative  
staff training

Research personnel  
training

Smart City  
industry training

Relevant applications in  
Smart City

Data analysis  
softwares

Urban management  
experiences in China

Consulting and  
planning staff training

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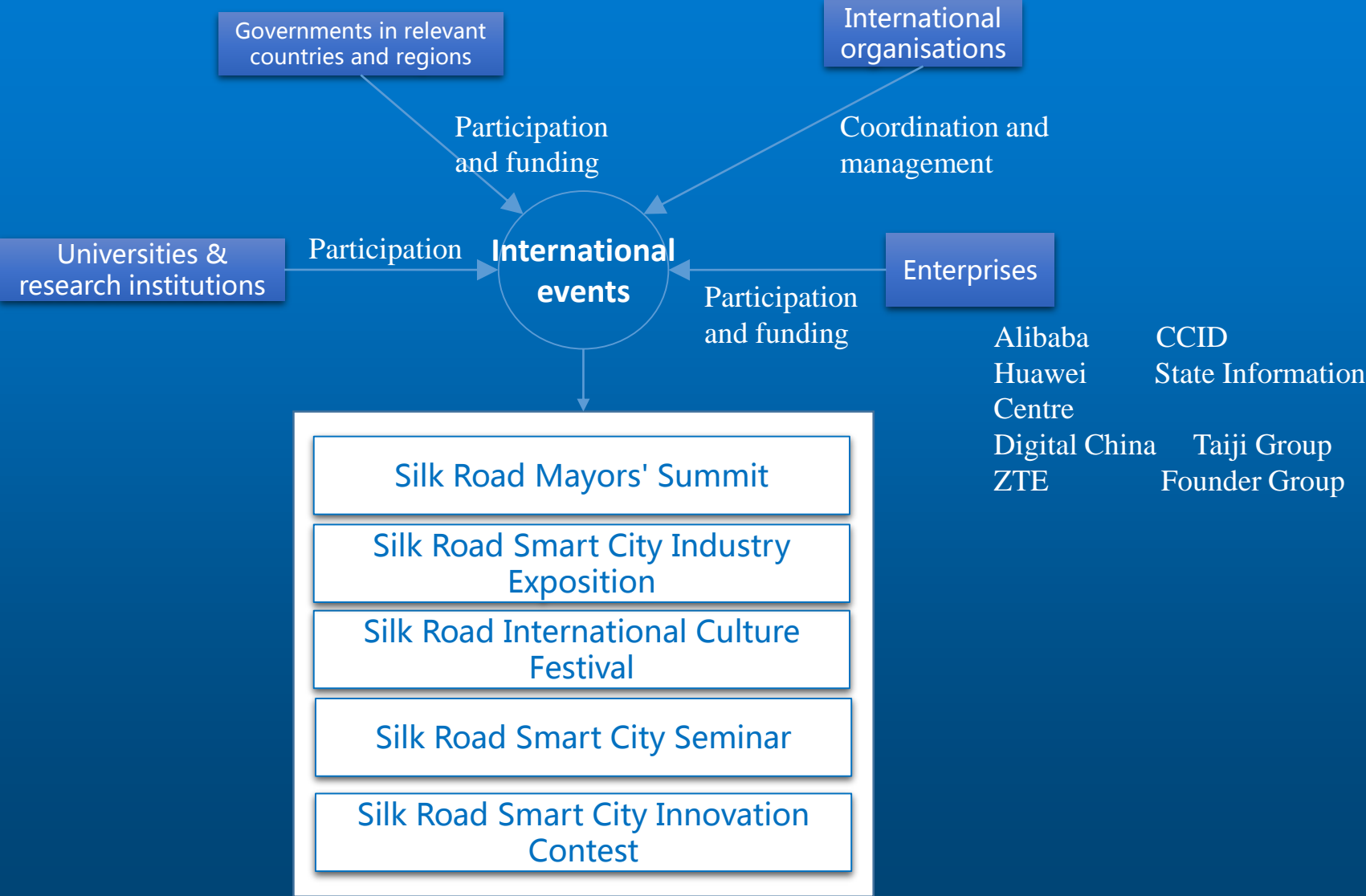
Governments in relevant  
countries and regions

Universities &  
research institutions

Enterprises

## Training & Capacity Building

# International events



# The launching project



## European Union Horizon 2020

“ Horizon 2020” is the largest research & innovation project ever launched by the **European Commission**, which, apart from support from the society, will receive funding (nearly €80 billion) from the EU from 2014 to 2020. This project aims to turn cutting-edge ideas in laboratory into something concrete in the market and to bring more findings, breakthroughs and world-class achievements to the academia and even to the whole world.

### “ Horizon 2020” EU-China Sustainable Urbanisation Consortium Proposal

The EU-China Sustainable Urbanisation Collaborative Research aims to turn Chongqing into a model city in sustainable urbanisation, urban design, planning & management and cultural heritage protection.

#### **Funding:**

The expected grant for the “Research and Innovation Action” scheme of the EU horizon project is €2.5 million for a project of 3 years duration. .

#### **Specific projects:**

Cadre Training

Urban Refitting

Preserving City Memory

# The first member units



- The Silk Road Smart City International Research Institute will conduct interdisciplinary researches in various areas. It is established by the following member units at present:



- **1. United Nations Maritime and Continental Silk Road Cities Alliance Smart City & New Industry Committee (UNMCSR-SNC):** UNMCSR-SNC is a non-profit specialised agency, set up under the special approval of United Nations Maritime and Continental Silk Road Cities Alliance and aiming at promoting comprehensive, in-depth cooperation between countries and enterprises in the field of smart city and new industry.



- **2. University of Vienna:** The University of Vienna is one of the oldest universities in the German-speaking world. With its long and rich history, the University of Vienna has developed into one of the biggest universities in Europe, and also one of the most renowned, especially in the Humanities. It is associated with 15 Nobel prize winners and has been the academic home of a large number of figures both of historical and academic importance.



- **3. Eindhoven University of Technology:** The Eindhoven University of Technology is one of the most famous universities of technology in Holland and in Europe. It is a research-driven, design-oriented university of technology with a strong international focus. In 2003 a European Commission report ranked TU/e at third place among all European research universities (after Cambridge and Oxford and at equal rank with TU Munich), thus making it the highest ranked Technical University in Europe.



- **4. Tongji University:** Tongji is one of the oldest and most prestigious universities in China. It is especially renowned for its engineering, business and architecture programs; its civil engineering department has consistently ranked first in China for decades. Researchers in Tongji University show strong interest in sustainable urbanisation.



- **5. Chongqing University:** Chongqing University is a key national university located in Chongqing, China, and a member of the "Excellence League". Chongqing University is also one of the "Project 211 and Project 985" universities with full support in the construction and development from the central government and the Chongqing Municipal Government.

- **6. Chongqing Institute of Surveying and Mapping**