

IUC Urban Cooperation Action Plan (U-CAP) Summary

City:	Rome (IT)	Yantai, Yangzhou, Liuzhou, Chengdu, Kunming, Nanjing
Province, State, Department...:	Lazio	Shandong, Jiangsu, Guangxi, Sichuan, Yunnan
Country:	2,8 million	China
Population:	1,287 km ²	N/A
Size (km²)	Italy	N/A
Period of cooperation	July 2018 to November 2020	
Cooperation Themes:	Culture, Tourism and Education Smart Cities & Digital Transition Circular Economy and Energy Transition Life Sciences and Healthy City	
Related SDGs and Urban Agenda topics:	Good Health and Well-Being: SDG 3 Quality Education: SDG 4 Industry, Innovation and Infrastructure: SDG 9 Sustainable Cities and Communities: SDG 11 SDG 12: Circular Economy EU Urban Agenda Topics: Culture/Cultural Heritage, Digital Transition, Circular Economy	
Key focus of cooperation themes:	<p>Culture, Tourism and Education: Promote and define joint activities between the various stakeholders of the cities involved to carry out projects and initiatives to encourage sustainable and intelligent tourism, actions to enhance local culture and cultural heritage, and collaborations between universities and companies to develop joint educational and research programs.</p> <p>Life Sciences and Healthy City: Promote joint activities between the various stakeholders of the cities involved to define cooperation models and develop innovative pilot and demonstrative projects in the sectors of Life Sciences and Healthy City.</p> <p>Smart Cities & Digital Transition: Cooperation models and pilot projects with Chinese new districts (being aware of magnitude and focus differences) as</p>	



	<p>well as Smart Cities planning processes and multi-stakeholder partnerships for Smart Cities challenges such as smart cities planning, digital twin, urban data, cultural heritage mobility, silver economy and new energy (overlap with Energy Transition).</p> <p>Cooperation models and pilot projects focus for digital society and infrastructure challenges such as smart health, smart agriculture, new energy grids (overlap with Energy Transition cluster), blockchain technology and vocational training in the field of digital transition.</p> <p>Circular Economy: Decoupling economic growth from resource use achieving a profound transformation of business practices along global value chains</p> <p>Energy Transition: Creating a more integrated and smarter energy system that is better able to manage and balance dynamic patterns of supply and demand at national and local level</p>
<p>Key challenges of cooperation theme:</p>	<p>Culture, Tourism and Education:</p> <ul style="list-style-type: none"> → Sharing best practices, pilot projects and exchange of information. → Exploring joint opportunities between Chinese and EU cities. → Organize joint schools, double degrees and institutes. → Develop and use digital tools and platforms to facilitate the cooperation. <p>Smart Cities:</p> <ul style="list-style-type: none"> → Sharing of best practices and exchange of information, including aligning stakeholder and focus models. <p>Digital Transition:</p> <ul style="list-style-type: none"> → Exploring joint opportunities between Chinese and EU cities. <p>Circular Economy:</p> <ul style="list-style-type: none"> → Sharing best practices and exchange of information, following the EU-China Circular economy MoU. <p>Energy Transition:</p> <ul style="list-style-type: none"> → Exploring joint opportunities between Chinese and EU cities.



	<p>Life Sciences and Healthy City:</p> <ul style="list-style-type: none"> → Sharing best practices, pilot projects and exchange of information. → Exploring joint opportunities between Chinese and EU cities. → Develop and use digital tools and platforms to facilitate the cooperation.
<p>Main objectives of cooperation as described in the U-CAP:</p>	<p>Facilitate and launch concrete cooperation projects in the above-mentioned fields and advance to thematic networking through cluster UCAPs</p>
<p>Short description of main activities and key outputs (e.g. pilot projects):</p>	<ul style="list-style-type: none"> → <u>July 2018</u>: Rome joins the EU cities one-week mission to China (Tianjin, Zhengzhou and Haikou). <ul style="list-style-type: none"> ○ Coordination with several stakeholders from Zhengzhou for the collaboration in smart city topics, including the <u>Chengang Group</u> in <u>Zhengdong New Area</u>. ○ Rome signs MoU with <u>Zhengzhou</u> City Government → September 2018: Mission of the Chinese Cities to <u>Rome</u>. Workshop in Rome with representatives from universities and stakeholders of the touristic sector. → November 2018: Mission of Rome to <u>Yantai and Kunming</u>. Signing of MoUs and follow up of the mission to EU. → April 2019: High Level Forum on Regional and Urban Policy Cooperation and Meeting on Circular Economy in <u>Brussels</u>, roundtable on Innovation in <u>Rome</u>. Focus on themes and stakeholder mix for pilots and cooperation models. Follow-up by means of webinars with European and Chinese cities. The circular economy and energy transition cluster explored possible cooperation projects on sustainable production, renewable energy and the food industry. → June 2019: mission of Rome to <u>Liuzhou and Chengdu</u>: first city-to-city mission of Rome in 2019 and a follow-up to the encounters that took place in the EU in April 2019. Mission of Rome to <u>Nanjing</u>: participation to the Nanjing Techweek. → September 2019: second mission of Rome to <u>Yantai and Liuzhou</u>. Identification of possible pilot projects and signing of MoUs. → October 2019: IUC Urban Labs Arena and Smart Cities Cluster Meeting at <u>APUF in Penang</u>. Urban Data visualizations and simulations from Rome. → November 2019: Chinese cities visited Rome and attended the IUC Global event in <u>Brussels</u>. IUC Asia meetings took



	<p>place in Brussels on Wednesday 20th November, in which Chinese delegates met with counterparts from Rome to discuss pilot projects.</p> <ul style="list-style-type: none"> → January 2020: IUC team visit Yangzhou DRC and participate the matching conference with stakeholders in Yangzhou. → March 2020: Sapienza University and Tsinghua University on line meeting. → March 2020: IUC Asia webinar: discussion how to involve EU cities to Yangzhou Horticulture Expo 2021. Stakeholders involved: Yangzhou High Tech Zone, Medicare in Taoqiazen, Yangzhou Horticultural Committee under the city Government, Yangzhou University → March 2020: Liuzhou – European Cities virtual Covid19 exchange → April 2020: Rome virtual pilot development meetings with the IUC experts → May 2020: Yantai - Rome virtual cooperation exchange → May 2020: Liuzhou – IUC Experts virtual briefing → May 2020: Rome and Chengdu Cooperate on Renewable Energy Research → May 2020: Rome and Chengdu Energy Research and Practical Cooperation – Follow-up Meeting → June 2020: Yantai-Rome virtual cooperation exchange
<p>Expected results and benefits:</p>	<p>The activities carried out led to the definition of the following pilot project proposals:</p> <p>Culture, Tourism and Education:</p> <ul style="list-style-type: none"> → Summer school on Precision Agriculture Yantai University and Tuscia University of Rome. → Summer schools: Summer school on BIM & GIS for digital design Sapienza University of Rome, Summer school on Precision Agriculture Yantai University and Tuscia University of Rome, Summer School on Sustainable and Smart Tourism Luiss University of Rome. → Student exchange programs and joint educational programs: University of Yantai and Sapienza University of Rome in the field of Urban Cultural Heritage protection. → Joint Platform between the Convention Bureau of Rome and Yantai to implement digital services for tourism and MICE (Meetings, Incentives, Congresses, Events) sector using digital solutions like interactive information points and augmented reality and promoting smart tourism and digital technologies.



- Proposal from the company Italian Life Style from Rome to develop digital solutions for the WeChat platform dedicated to Chinese Tourists and also twinning Italian and Chinese UNESCO sites.
- Open representative offices and organizing an event on smart tourism and promotion of digital technologies.
- Specific target programme for urban regeneration of the Old residential District – Old Town of Yantai, Suochengli Road

Smart Cities and Digital Transition

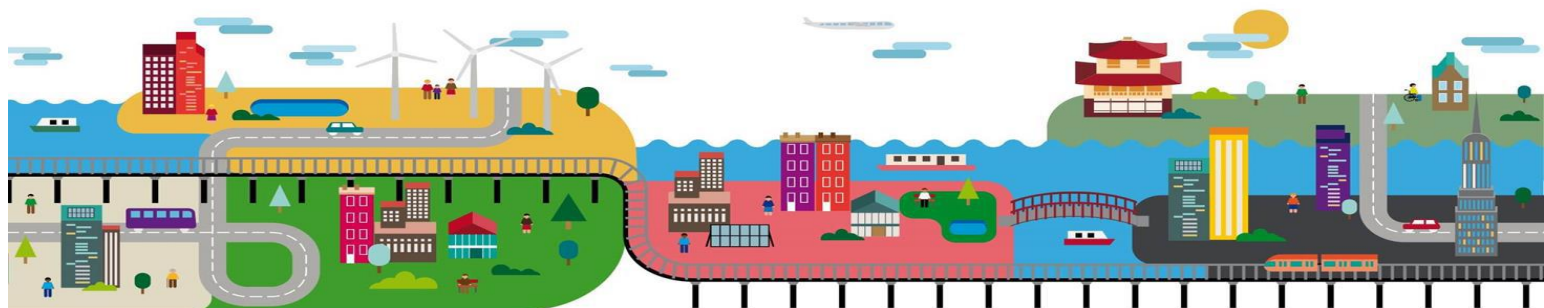
- Best practices shared and cities to benefit from knowledge sharing on Smart Cities practices.
- Pilots defined regard to *Digital Twin, Smart Cities Planning, Silver Economy*
- Definition of pilots for smart (urban) agriculture, blockchain technology.
- Exchanges with well-known EU institutions to organize various technology exchange activities. Establishing *incubation and acceleration programmes* for EU and Yangzhou start-ups among specialized institutions from the pilot cities.
 - *Financial support from Yangzhou City Government*

Business cooperation

- Europe Asia Research Platform: development of a joint Innovation platform from the Smart City Lab of Rome and Lazio to identify potential candidate applications for technology exchange in target business fields and supporting scientific and technological cooperation among researchers, small and medium enterprises, start-ups, entrepreneurs, investors.
- Connecting the platform to relevant Chinese platforms (including Orange from Jereh Yantai) informing and connecting for specific technological projects with potential for EU cities expertise

Virtual International Technology Exchange Spaces

- (Yantai - Uni-Orange). Open Labs Rome with Jereh Uni-Orange. Opening and launch of virtual B2B exchanges.
- (Yantai – Tencent). Deepen with Open Labs Rome. Opening and launch of virtual B2B exchanges.
- Structure: Bi-weekly technology presentation and exchange event.
- Gradually integrate other IUC cities.



→ EU-China Cooperation Center. Traditional approach to follow as a second step with Yantai Government offering an offline space.

Circular Economy

- Best practices shared, and cities benefit from knowledge sharing on circular economy practices. One joint call for proposals is prepared and submitted.
- Cooperation with China Circular Economy Association during the national conference in Nanjing 2019.

Energy Transition

- Integrating the Smart Energy concepts of Rome to support the urban development of Liudong New District (Smart Grid management). Joint research and business applications and exchange of experiences.
- Rome and Chengdu (EIRI) Energy Cooperation:
 - Research on planning methodologies for energy saving in new buildings
 - Joint application to Chinese support schemes: The China Association for S&T (with short-term possible support of 20-30 TEU), and
 - The MOST National Key R&D Plan for International Cooperation (with possible support of 300 TEU if selected).
 - In a second step, EIRI and Sapienza would like to pilot some recommendations/findings in IUC cities both in China and Europe.

Life Sciences and Healthy City:

- Proposal for the establishment of a Sino-Italian Institute of Vine and Wine Science between Tuscia University and Yantai University involving also industrial partners.
- Development of a pilot project in Yantai on Precision and Smart Agriculture between the company Setel from Rome and the Changyu Winery from Yantai.
- Participation of Rome and other IUC EU pilot cities at the Yangzhou Horticulture Expo 2021. Mid-term result: MoU/LoI of EU cities committing participation (May 2020)
 - *Financial support from Yangzhou City Government for the design and for allowance & travel of EU cities' participants*
- Cultural exchanges with EU cities and co-organizing cultural and art weeks/festivals within the Horticultural Expo 2021





A European Union
Programme

○ Letter of Intent / MoU (by end of 2020)

For further information (including access to the full U-CAP), please contact:

IUC-ASIA office@iuc-asia.eu



A European Union
Programme
欧盟项目

