

## IUC Urban Cooperation Action Plan (U-CAP) Summary

<b>City:</b>	<b>Barcelona</b>	<b>Chengdu, Guangzhou, Yangzhou, Liuzhou</b>
<b>Province, State, Department...:</b>	Catalonia	Sichuan, Guangdong, Jiangsu, Guangxi
<b>Country:</b>	Spain	China
<b>Population:</b>	1,620,809	N/A
<b>Size (km<sup>2</sup>)</b>	101,3 km <sup>2</sup>	N/A
<b>Period of cooperation</b>	April 2019 – November 2020	
<b>Cooperation Themes:</b>	<p><b>Smart Cities:</b> Planning tools for pilot area development</p> <p><b>Digital Transition:</b> Blockchain conference and virtual lab in cooperation with Granada</p> <p><b>Energy Transition:</b> New Energy Grids: Piloting in Chinese new districts &amp; joint research</p> <p><b>Horticulture and Urban Farming:</b> Participation at Yangzhou Expo 2021</p>	
<b>Related <u>SDGs</u> and <u>Urban Agenda</u> topics:</b>	<p>SDG11: Sustainable Cities and Communities EU Urban Agenda Theme: Digital Transition in Cities SDG9: Industry, Innovation and Infrastructure EU Urban Agenda Theme: Digital Transition SDG7: EU Urban Partnership (UP) Energy Transition</p>	
<b>Key <u>focus</u> of cooperation themes:</b>	<p><b>Smart Cities:</b> Aligning cooperation models, dimensions and focuses for specific new development within Liudong District. Developing tailored planning processes and multi-stakeholder partnerships for smart city planning. Cooperate with Rome.</p> <p><b>Digital Transition:</b> Participate in the pilot project on blockchain developed by Granada towards Chinese cities.</p> <p><b>Energy Transition:</b> Aligning research interests with Chinese (and other European) cities for academic exchange (Chengdu) and the definition of pilot projects and the stakeholder mix for the cooperation in Chinese new districts (Liuzhou)</p>	



	<p><b>Horticulture and Urban Farming:</b> Participation at Yangzhou's Horticultural Expo 2021</p>
<p><b>Key challenges of cooperation theme:</b></p>	<p>Barcelona is willing to support internationalisation of relevant clusters, urban developers and universities towards China. Chinese cities are willing to develop new urban areas, support the market entry of Barcelona-based urban development technology solutions and showcase cooperation on green city topics.</p>
<p><b>Main objectives of cooperation as described in the U-CAP:</b></p>	<p>Facilitate the coordination of the main cooperation projects for each thematic cluster</p>
<p><b>Short description of main activities and key outputs (e.g. pilot projects):</b></p>	<ul style="list-style-type: none"> <li>→ <a href="#">April 2019</a>: mission and meetings with Chinese cities in Brussels. Focus on themes and stakeholder mix for pilots and cooperation models. Follow-up by means of a Smart Cities webinar with European cities</li> <li>→ <a href="#">June 2019</a>: Smart Cities Cluster Meeting and New Energy meetings in Chengdu, mission of European cities to Liuzhou: Barcelona entering pilot project exchange in regard to new districts</li> <li>→ <a href="#">September 2019</a>: Second mission to Guangzhou and Liuzhou             <ul style="list-style-type: none"> <li>• Participation at the EU-China Green City Awards and at a panel discussion with EU Ambassador to China.</li> </ul> </li> <li>→ <a href="#">October 2019</a>: IUC Urban Labs Arena and Smart Cities Cluster Meeting at APUF in Penang. Urban Data visualization and simulation from Barcelona. Participation in Circular Economy Cluster Meeting.             <ul style="list-style-type: none"> <li>• Showcasing digital urban tools towards larger Asian audience and participation in the smart city cluster meeting with cities from China, Malaysia, Indonesia and Korea.</li> </ul> </li> <li>→ <a href="#">November 2019</a>: Chinese cities attended Innovative Smart City Cooperation Forum and the Smart Cities Expo in Barcelona and attended the IUC Global event in Brussels. IUC Asia meetings took place in Brussels on Wednesday 20<sup>th</sup> November, in which Chinese delegates met with</li> </ul>



counterparts from the European pilot city of Barcelona. Here, pilot projects were discussed, and the new Chinese cities were introduced to the European counterparts.

- March 2020: Liuzhou-European Cities virtual Covid19 exchange. Discussion of pilot project in Liudong District.
- April 2020: Barcelona online discussion on pilot projects development with IUC experts as well as with colleagues from Granada and Rome.
- May 2020: Liuzhou, Barcelona & IUC Experts virtual meeting with discussion on Barcelona's action plan for Liudong New District.
  - Barcelona proposes detailed action plan with activities and budgets for finding by the Chinese side.

**Expected results and benefits:**

**Smart Cities:**

- Pilot to be defined for Liuzhou new districts: Liudong New District (Science/Techno Park for Smart Cities Planning), potentially also for the Northern Ecological District

**Digital Transition:**

- Definition of virtual platform for blockchain technology exchange format in cooperation with Granada (ES)

**Energy Transition:**

- Definition of research and academic exchange with Chengdu Energy Research Institute (EIRI) in cooperation with Rome (IT). Possible cooperation on biotech with Guangzhou's BioTech Island.

**Horticultural Development:**

- Development of a concept note for Barcelona's participation at Yangzhou's Horticultural Expo 2021. Receive financial support by Yangzhou for the design and the participation at the Expo 2021.

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

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