



twitter: [@EUChina IoT5G](#)
linkedin: [EUCHINA IoT-5G](#)
www.euchina-iot5g.eu

EXCITING

EU-China Study on IoT and 5G

Kai Zhang

Martel GmbH

**GIoTS Industry Forum II: 5G LSP European
and Chinese Perspectives - EXCITING and F-
Interop Joint Workshop**

June 4th, 2018

Contents



- Mission
- Who we are
- Objectives
- Target Groups
- Key Outcomes
- Upcoming Activities

The goal of the ***EU China Study on IoT and 5G – EXCITING*** is “... to support co-operation opportunities between Europe and China, in particular for IoT and 5G, by studying and comparing the corresponding research and innovation ecosystems, identifying the opportunities and making recommendations for creating the appropriate conditions.”



The project is funded through:

- The EU (Horizon 2020 Programme), for the 6 partners in the EU
- The Chinese Ministry Of Science and Technology (MoST), for the 6 partners in China
- Switzerland, for the 2 Swiss Partners

Who we are (Europe)



| Participant organisation name | Country |
|---|---------|
| Martel GmbH | CH |
| Sociedade Portuguesa de Inovação | PT |
| InterInnov S.A.S. | FR |
| Inno TSD France | FR |
| Université du Luxembourg | LU |
| University of Surrey | UK |
| Sorbonne Université (formerly Université Pierre et Marie Curie) | FR |
| Mandat International | CH |

Who we are (China)



| Participant organisation name | Country |
|---|---------|
| Beijing Internet Institute | CN |
| Huawei Technologies Co., Ltd | CN |
| China Academy of Science | CN |
| China Academy of Information and Communications Technology (was CATR) | CN |
| Beijing University of Post and Telecommunication | CN |
| Huazhong University of Science & Technology | CN |

Objectives



- **Obj. 1:** To investigate and document the **research and innovation policies and ecosystems in China** and compare these with the European ones. Including the legal aspects of participation in reciprocal programmes

H2020



“Framework Programmes”

MoST



“Mega-projects”

MIIT



Responsible for:

- Industrial planning, policies and standards
- Promoting the development of major technological equipment and innovation concerning the communication sector
- Guiding the construction of information system
- Safeguarding China's information security

Objectives

- **Obj. 2:** To investigate which **international standardisation bodies** are responsible and appropriate for the key strategic domains of IoT and 5G, given that these are areas where global approaches are needed



Objectives

- **Obj. 3:** To investigate how **global interoperability testing** (with the focus on EU and China) is being used to validate research and innovation in the key strategic domains of IoT and 5G, to ensure prototypes can be turned into mature results/standards and successful deployments
 - The 5G testbed at the Innovation Centre of the University of Surrey is probably the largest in Europe

"5GIC is open to proposals on international collaboration particularly where this could facilitate global standardisation. We are also willing to provide access to our 5G testbed to international partners, subject to the agreement of our 5GIC members"



Objectives

- **Obj. 4:** To investigate **practical opportunities for future co-operation on Large Scale Pilots for IoT and 5G** on a reciprocal basis
 - IoT-LSPs:



MONICA

Wearable devices containing sensors and actuators for massive scale applications



Active and healthy ageing



Automated driving and infrastructure



Strengthen competitiveness of farming and food chains in Europe

SYNCHRONICITY

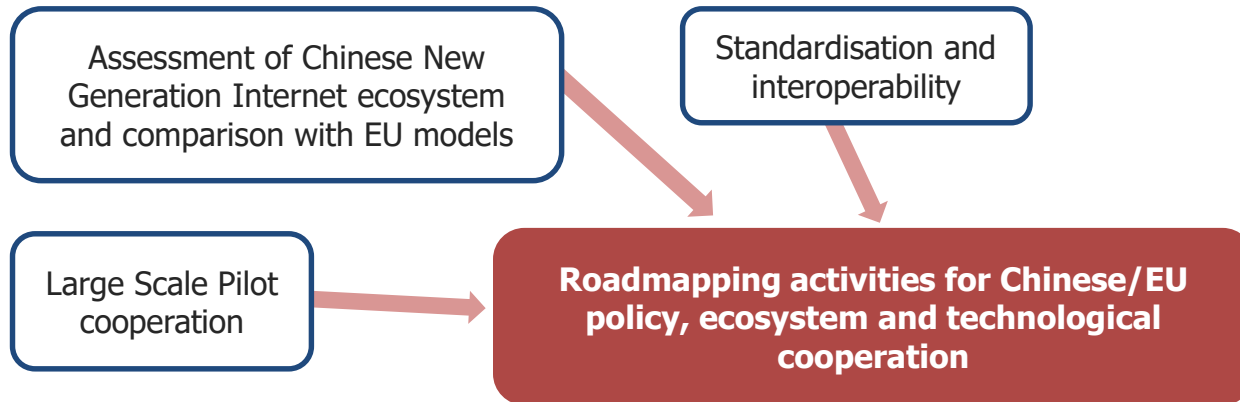
Single digital city market for Europe

- **Obj. 4:** To investigate **practical opportunities for future co-operation on Large Scale Pilots for IoT and 5G** on a reciprocal basis
 - 5GIC at University of Surrey
 - Policy-oriented Working Groups under the umbrella of the 5G Infrastructure Association / 5G IA:



Objectives

- Obj. 5:** To produce **a roadmap** showing how research and innovation ecosystems, policy, standardisation, interoperability testing and practical Large Scale Pilots should be addressed during the H2020 timeframe, and **making recommendations** for optimising collaboration between Europe and China for IoT and 5G



Target Groups

| Types | Description |
|---------------------------------------|--|
| Policy Makers | Policy makers who can turn the proposed policy recommendations into practice at EU and China levels. |
| Funding Agencies | Funding agencies that are in a position to provide funds to support the development of new projects on Future Internet, developed locally or between Europe and China. |
| Research and Innovation Actors | Higher education, Academia, Research Institutes and Science Parks which can develop, implement and promote collaborative projects on Future Internet. |
| Industry Groups | E.g. Industrial associations, alliances, SMEs, Start-ups. |
| Standardisation Bodies | Includes those responsible for supporting and managing standardisation practices. |
| Media Groups | E.g. groups and individuals whose activity consists of providing an objective coverage of the importance and value of Future Internet, including Internet of Things, 5G and standardisation practices. |
| General public | Those who are interested in the Future Internet topic and thus, by some extension, can contribute to the larger dissemination of the project. |

KEY OUTCOMES

COMMUNICATION & DISSEMINATION

- + Identification and Communication with key international stakeholders for IoT and 5G

CHINESE & EU FUTURE INTERNET

- + Future Internet in China (Policies, projects, framework conditions)
- + EU - China comparative analysis on Future Internet

STANDARDISATION & INTEROPERABILITY

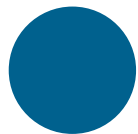
- + Harmonisation of Standards (IoT / 5G)
- + Interop Guidelines (IoT / 5G)

LARGE SCALE PILOTS

- + EU - China Testbed Specifications
- + Framework and Best Practices for EU-China Cooperation on Large Scale Pilots

ROADMAPPING ACTIVITIES

- + Recommendations for EU-China cooperation
- + EU-China Future Internet Policy White Paper



Upcoming Activities



And
more..

- **IoT Week 2018 (Bilbao, Spain)** – June 4th - 8th 2018
 - **Project Workshop**
 - **Interoperability workshop**
 - **EU-Asia Collaborations on IoT**
- **EuCNC (Ljubljana, Slovenia)** – June 18th - 21st 2018
- **Two White Papers (Standardisation / Interoperability)** – June 2018
- **Signing ceremony of the MoU between AIOTI and AII – Planned as part of the EU-China ICT Dialogue 2018 (Beijing, China)** – Fall 2018
- **Project event in China** – Fall 2018
- **Roadmaps on Collaboration** – end of the project
- **Webinar** – Fall 2018
- **Newsletters / Twitter and LinkedIn / Panorama Tool** - Ongoing

Thank you for your attention



Twitter: [@EUChina IoT5G](#)
Linkedin: [EUCHINA IoT-5G](#)
euchina-iot5g.eu