



EU-CHINA IOT COLLABORATION

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Today let's talk about some key milestones for EU-China IoT collaboration

+ EU-China IoT Cooperation projects

- ECIAO (2013-2015)
- EXCITING (2016-2019): <https://www.euchina-iot5g.eu/>



+ White Papers and other collaboration

+ Benefits of cooperation



EU-CHINA COOPERATION PROJECT ON IOT

ECIAO - Bridging EU-China Future Internet Common Activities and Opportunities

+ Background

- Policy framework on Information Society (i2010 programme in the EU and 12th 5-year-plan on Information Society) - 2009
- “Internet of Future”: EU-China expert group (2010) – **IoT, FIRE, IPv6**

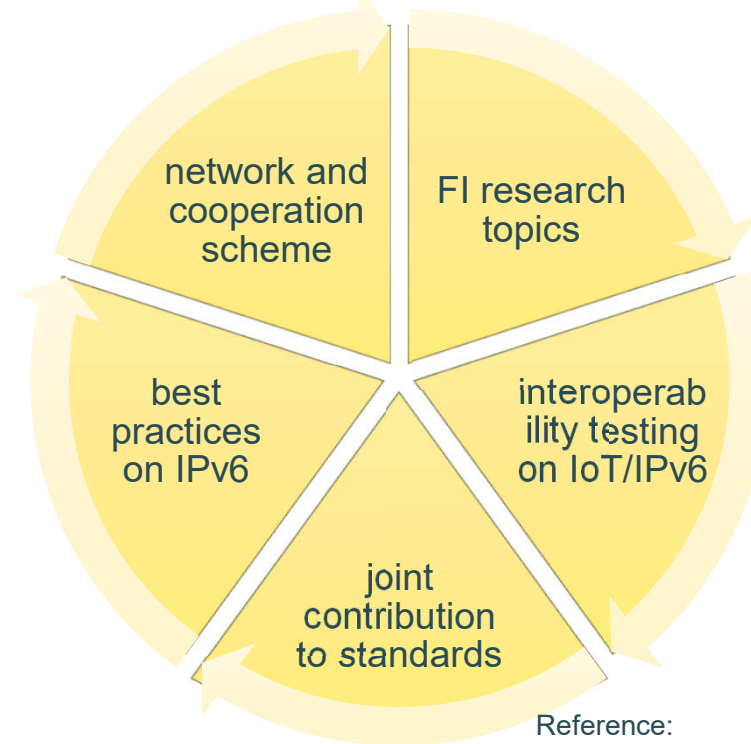
Reference:

https://www.riverpublishers.com/pdf/ebook/chapter/RP_9788793519114C26.pdf

EU-CHINA COOPERATION PROJECTS ON IOT

ECIAO - Bridging EU-China Future Internet Common Activities and Opportunities

+ Main actions



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EU-CHINA COOPERATION PROJECTS ON IOT

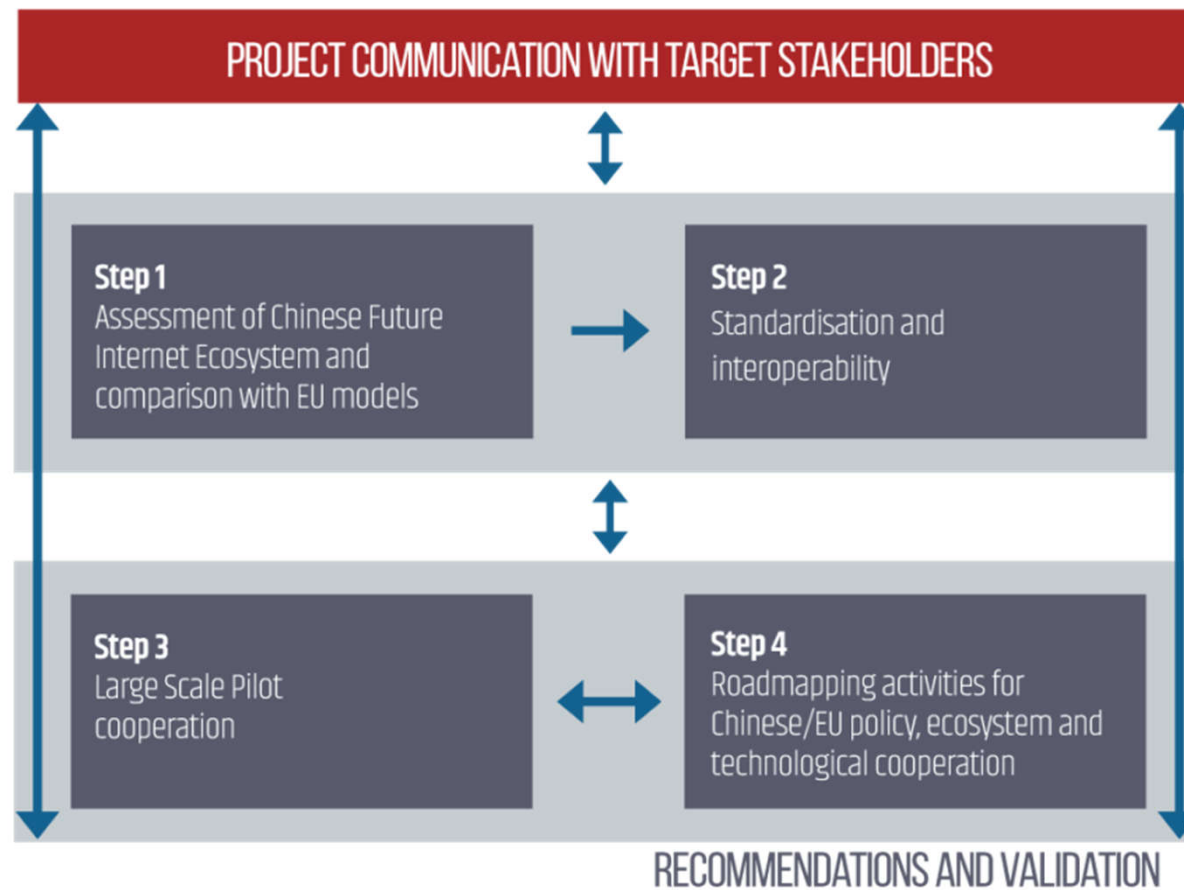


EXCITING – EU-China Study on IoT and 5G:

- + Built on previous initiatives such as ECIAO, CHOICE projects
- + Aimed to support favourable conditions for cooperation between EU and CN R&I ecosystem - **IoT and 5G**

EU-CHINA COOPERATION PROJECTS ON IOT

EXCITING – EU-China Study on IoT and 5G



WHITE PAPERS AND OTHER COLLABORATION

WHAT HAVE WE ACHIEVED / LEARNED

EU-China Joint White Paper on IoT

- + Jan. 2016
- + EU-China IoT Advisory Group set up in 2011
- + Main findings
 - Common challenges
 - EU-China cooperation proposal



EU-China IoT Advisory Group



WHAT HAVE WE ACHIEVED / LEARNED



EU-China Joint White Paper on IoT

+ Common challenges

- Need **horizontal** support, not just focusing on verticals
- **Innovative business models and relation** with the stakeholders
- **Semantic interoperability** is key to connect people, process and things
- **Open** IoT architectures, platforms and standards to avoid lock-in and fragmentation
- **Trust – security** issues / data protection
- Societal awareness, evolvment (**everything connected**)

WHAT HAVE WE ACHIEVED / LEARNED



EU-China Joint White Paper on IoT

+ Cooperation proposal

- **Policy level cooperation:** joint R&I, co-funding projects and publishing results
 - Governmental level: inputs to annual EU-China ICT dialogue
 - Inviting wide-range of stakeholders IoT LSP projects and Megaprojects
- **Technical cooperation**
 - IoT key technologies (IoT architectures, test beds, platforms, semantic and technical interoperability)
 - Key product development
 - Exchange of PhD and post-docs, faculty, industry researchers

WHAT HAVE WE ACHIEVED / LEARNED



EU-China Joint White Paper on IoT

+ Cooperation proposal

– Standards cooperation

- IoT business layer standards – OneM2M, ETSI, CEN/ISO, IEEE, IETF, ITU-T
- Joint position paper, also on domain specific standards

– Market cooperation

- E.g. AI + AIOTI
- Joint market analysis on IoT application

EU-CHINA COOPERATION PROJECTS ON IOT



AIOTI-AII MoU

- + Initiated by the EXCITING project
- + MoU signed in November 2018, after several rounds of discussion
- + High-level pointers on cooperation areas
 - Standards / interoperability
 - Joint trials / testbeds
- + Actions needed! 😊



EU-CHINA COOPERATION PROJECTS ON IOT

Standardisation and Policy White Papers

+ EU-China White Paper on Standardisation

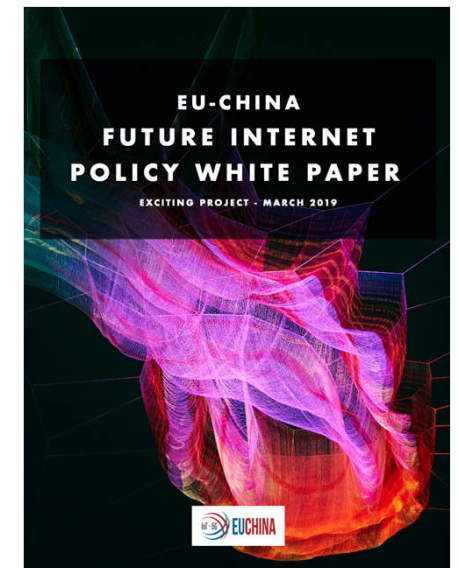
- Harmonisation of standards between SDOs, during the standardisation process
- Occupy key positions within the SDO Technical Committees and Working Groups
- Acknowledging differences, while aiming to achieve highest level of interoperability, e.g. via joint trials, large pilots, “plug-tests”
- Key areas of IoT joint standardisation: security and privacy, semantic interoperability, radio spectrum allocations
- Transparency and mutual participation in EU/ China initiatives



Standardisation and Policy White Papers

+ EU-China Future Internet Policy White Paper

- Research, development and innovation
 - Continuous research and innovation cooperation
 - Internships exchange
- Market
 - Facilitating companies to enter each other's market
 - Understand the local business culture
 - Sectoral cooperation



BENEFITS OF COOPERATION

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Why do we cooperate?

- + A world of global societal challenges
 - IoT brings innovation to tackle these challenges
- + Industrial cooperation without border (what AI + AIOTI cooperation can bring)
 - Effective market supply / demand network and platform
 - Larger scale industrial research and innovation activities

Be part of something bigger!

BENEFITS OF COOPERATION



....And how?

- + Mutual understanding on data protection
- + Joint funding scheme on IoT research and security between EU - China
- + Tackle IoT security issues together. Setting standards!



THANK YOU FOR YOUR ATTENTION

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