EU-China IoTcooperation

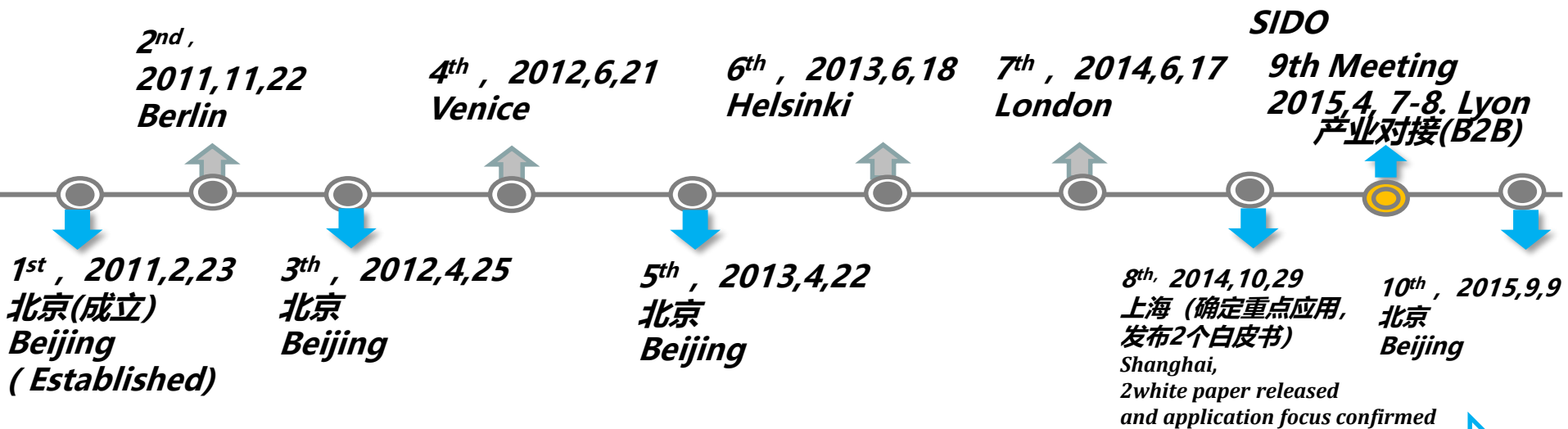**Moving on from WhitePaper 2016**

Philippe COUSIN

EGM, Exciting advisor

On-line workshop
May 3rd 2018

www.euchina-iot5g.eu

2011-2016: 10 Meetings have been held to promote EU-China IoT cooperation

IoT - 5G EUCHINA

2nd ,
2011,11,22
Berlin

4th ，2012,6,21
Venice

6th ，2013,6,18
Helsinki

7th ，2014,6,17
London

SIDO
9th Meeting
2015,4, 7-8. Lyon
产业对接(B2B)

1st ，2011,2,23
北京(成立)
Beijing
(Established)

3th ，2012,4,25
北京
Beijing

5th ，2013,4,22
北京
Beijing

8th, 2014,10,29
上海（确定重点应用,
发布2个白皮书）
Shanghai,
2white paper released
and application focus confirmed

10th ，2015,9,9
北京
Beijing

从信息共享到联合发布白皮书、搭建产业合作平台
From Information Sharing to Joint White Paper and an industrial collaborative platform

- 架构 Structure：< Expert Group Position Paper on Internet-of-Thing Architecture>

- 标识 Identification ：< EU-China Joint White Paper on Internet-of-Things Identification>

Joint Whiter Paper Released at the Opening Ceremony of Shanghai International IoT Conference 2014

- Semantic Interoperability: EU-China position paper on Semantic Interoperability

3

Summary of cooperation 2011-2016

IoT - 5G **EUCHINA**

EU-China IoT Advisory Group

EU-China Joint White Paper on the Internet of Things

Date of publication: January 2016

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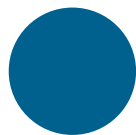
China : Why IoT so important ?

智能制造 Intelligence Manufacturing

智能化生产、网络化协同、规模化定制、服务化转型

Intelligent Production, Networked Collaboration, Scale Customization and Service Transformation

德国工业4.0	**美国工业互联网**	**中国信息化与工业化深度融合**
Industrial 4.0	Industrial Internet	convergence of Informatization and industrialization in China

工业物联网 Industrial IoT/CPS

物联网与社会发展、民生服务和中国的城镇化进程

IoT, Social Development, Public Service and China's Urbanization

IOT Development in china

- Low layer- CPS mapping virtual <-> physical world

  – Industrial IoT

  – Smart Farming

  – Smart grid

- Applications-

  – Smart cities – urban management

  – transportation –

  – Security

  – Health

" *Major Chinese internet companies have entered the field of IoT through wearable intelligent terminals, smart home, mobile health care, IoV, security, and other businesses, and have made rapid development in some of these areas.* "
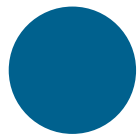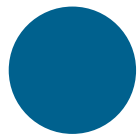
IoT in EU: importance of policies

- the **monitoring of innovation performance**

- the development of policies to **foster the broad commercialization of innovation**,

- the development and coordination of policies to **accelerate the uptake of advanced manufacturing technologies**

" The Internet of Things is a key growth area for the European Member States."

EU:IoT trends and standards

- Technologies:
  - Platforms
  - Big Data
  - Semantic technologies
  - 5G
  - Cloud computing
- Standards
- Demand driven IoT deployment

Common challenges

- Business models and new way of cooperation

- Interoperability

- Technical environment

- Trust

- Societal environment

Development of IoT in the future

1. Towards a hyper connected society

2. Massive and secure IoT deployments enabled by 5G

3. Benefit from other technology fields

4. Fusion of IoT, big data , cloud computing and generic connectivity

5. Automated vehicule

6. E-health and smart living

7. Smart farming and food safety

8. Industrial IoT

9. Focused zones in smart cities

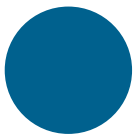10. Retail
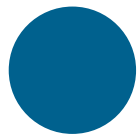
EU-China cooperation proposal

➢ Policy level cooperation (eg R&D coop.)

➢ Technical cooperation (eg twinning activities)

➢ Standardisation

➢ Market cooperation (eg AIOTI <-> Chinese IoT alliances, joint market analyses, ..

Next steps : post 2016

- Update the white paper in particular

  - The common challenges

  - The topics of common interest

  - From other contributions and suggestions

- Define a short action plan

- Involve interest parties (eg set up a WG03 sub-group with telcos). Contributions are welcome

- Update the 3 position papers (sept ?)

谢　谢

Thank you