
JAPAN FORUM FOR INNOVATION & TECHNOLOGY (JFIT)

Cybersecurity for the future society

Panel1: The Future of Cyberspace-Security and Regulations

April, 27, 2018

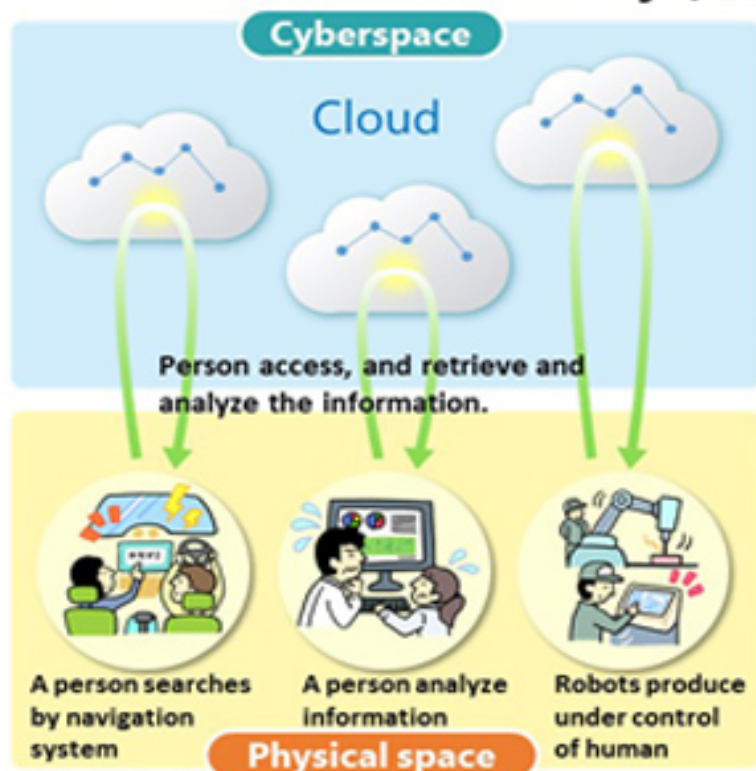
 **MITSUBISHI RESEARCH INSTITUTE, INC.**

Cyber Security Strategy Group
Social ICT Innovation Division

What is Society 5.0 in Japan

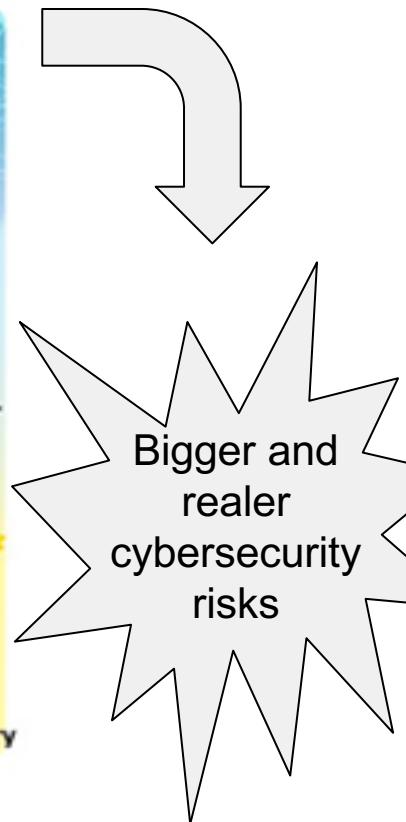
"A human-centered society that balances economic advancement with the resolution of social problems by a system that highly integrates cyberspace and physical space." (the 5th Science and Technology Basic Plan)

Current information society (4.0)



[source: CAO,Japan]

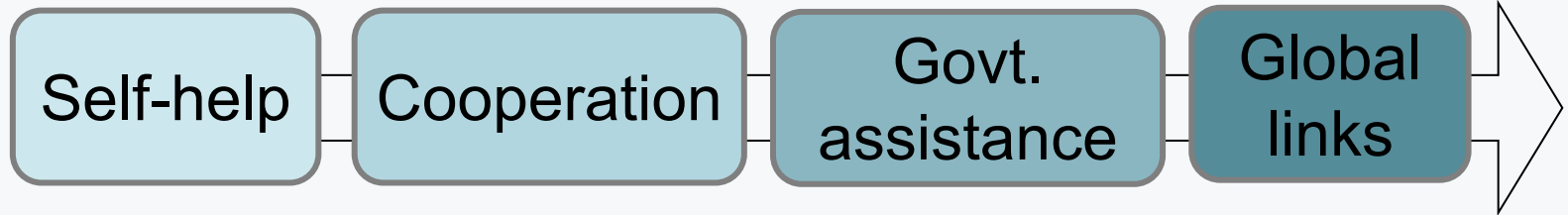
Society 5.0



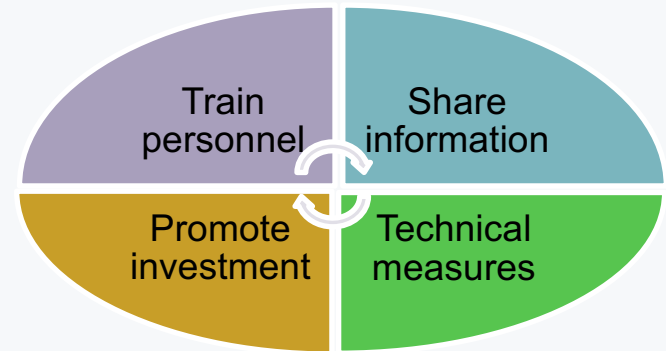
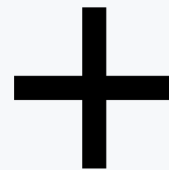
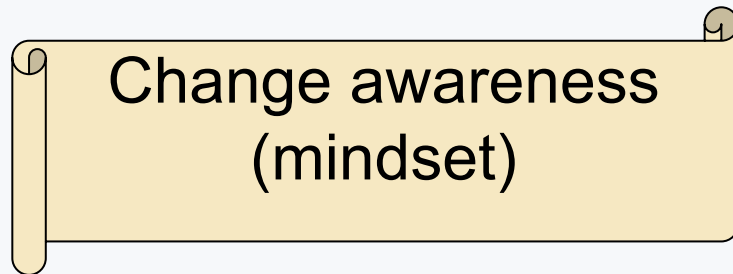
Source) http://www8.cao.go.jp/cstp/english/society5_0/index.html

Overview of Cybersecurity Measures for Society 5.0 by Keidanren

Approach



Change awareness (mindset) & secure resources



Develop frameworks as foundation

Govt. framework

Corporate framework

Legal system & norms

Current cybersecurity issues in IIoT/Industrie4.0

- Cybersecurity for Industrial Internet of Things(IIoT)
 - The Industrial Internet Consortium (IIC) of USA
 - Platform Industrie 4.0 of Germany
 - Robot Revolution Initiative of Japan

- On 28 April 2016, the Ministry of Economy, Trade and Industry (METI) of Japan and the Federal Ministry for Economic Affairs and Energy (BMWi) of the Federal Republic of Germany released a Joint Statement on Cooperation between METI and BMWi regarding the Internet of Things (IoT) / Industrie 4.0 (hereinafter: Joint Statement)
 - Conceptual level of discussions
 - Practical level of discussions

Issues to discuss

- Fundamental issues for cybersecurity
 - Cybersecurity philosophy
 - Design policy for the system that highly integrates cyberspace and physical space
 - Technical and management harmonization
 - 2020 Tokyo Olympics
- Questions
 - How to change awareness and mindset for setting cybersecurity in our future society?
 - How can we foster disciplinary or internationally approach for discussing cybersecurity across national borders?
 - Cybersecurity for the future of automation, money, mankind, work, business, social sciences and the nation?

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