Society 5.0 a societal revolution next to Industry 4.0

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Information Society - Definition - Discussion

Information society is a society where economic development, culture, politics and well-being of its members bases to a great extent on the production and use of information.

Your opinion: should the terms "digital" (form) and "ICT" (tools) be included in the definition?

Information + Meaning = Knowledge

There does not exist any commonly agreed definition of knowledge. Possible general formula:

- Knowledge = Information + meaning (Example: TAG as DAY)
- Knowledge = Information + experience + belief

Example: Knowledge is any acquired experience that helps the man to make sense of the world.

If information has been perceived by a *conscious mind* and also interpreted by it, the specific context associated with this interpretation may cause the transformation of the information into knowledge.

Knowledge Society (KS)

KS is a society which bases to a great extent on analysis and application of knowledge for improving the human living.

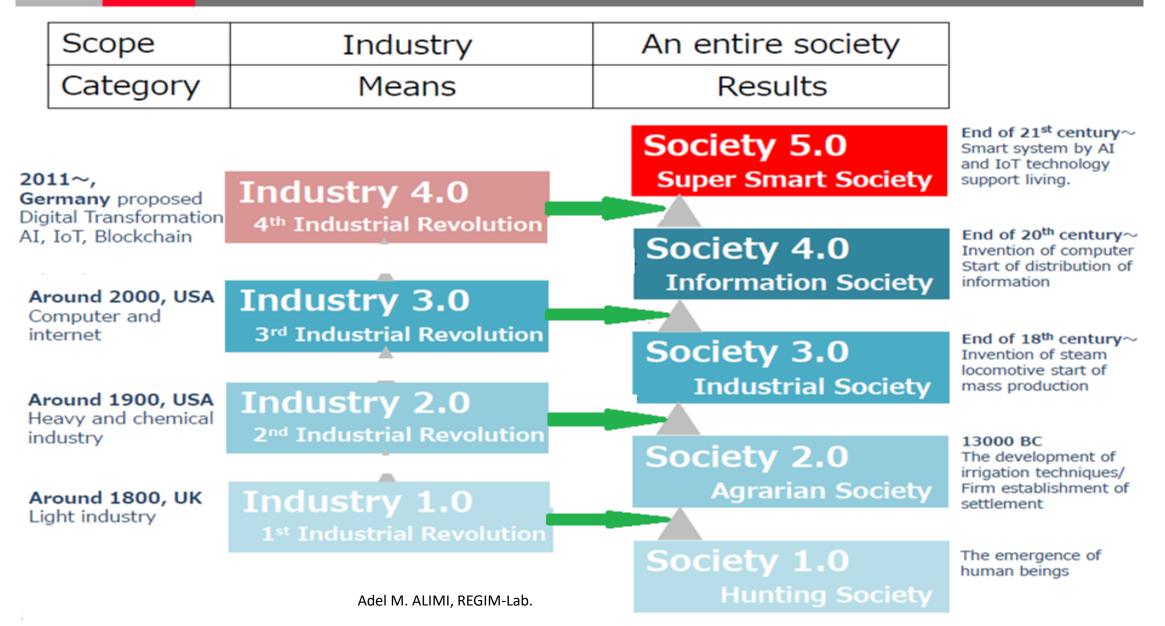
A *knowledge society* differs from *information society* in that the former serves to transform information into resources that allow society to take effective action while the latter only creates and disseminates the raw data (Castelfranchi, 2007).

NB! The word "knowledge" ("information") appears 59 (214) times in the "Information society" Wikipedia article (2.02.2019).

The word "information" ("knowledge") appears 23 (62) times in the "Knowledge society" Wikipedia article (2.02.2019)

The concept Information Society is in fact considered as Knowledge Society Adel M. ALIMI, REGIM-Lab.

Industry 4.0 and Society 5.0

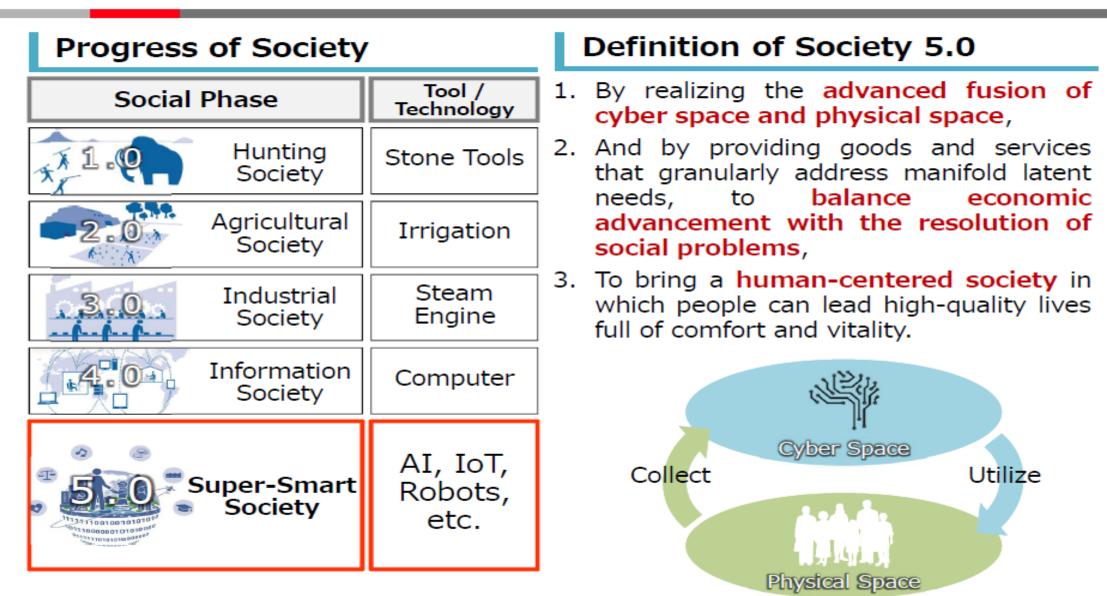


How Is Society 5.0 Conceived?



Japan has conceived Society 5.0 equivalent to and/or exceling other countries' concepts

What Is Society 5.0?



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The purpose of Society 5.0

Economic advancement

- The demand for energy is increasing
- The demand for foodstuffs is increasing
- Lifespan is becoming longer, and the aging society is advancing
- International competition is becoming increasingly severe
- Concentration of wealth and regional inequality are growing

Resolution of social problems

- Reduction of GHG emissions
- Increased production and reduced loss of foodstuffs
- Mitigation of costs associated with the aging society
- Promotion of sustainable industrialization
- redistribution of wealth, and correction of regional inequality

Incorporating new technologies such as IoT, robotics, AI, and big data in all industries and social activities, provide goods and services that granularly address manifold latent needs without disparity

to balance economic advancement with the resolution of social problems

Society 5.0 and SDGs

Society 4.0 Information society



Individual optimization through application of ICT Efficient use of natural resources World bound by various constraints (temporal, spatial, etc.) Seeking solutions to individual problems Making individual industries more efficient

Society 5.0 Super-smart society

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Optimizing society as a whole through integration of cyberspace and physical space



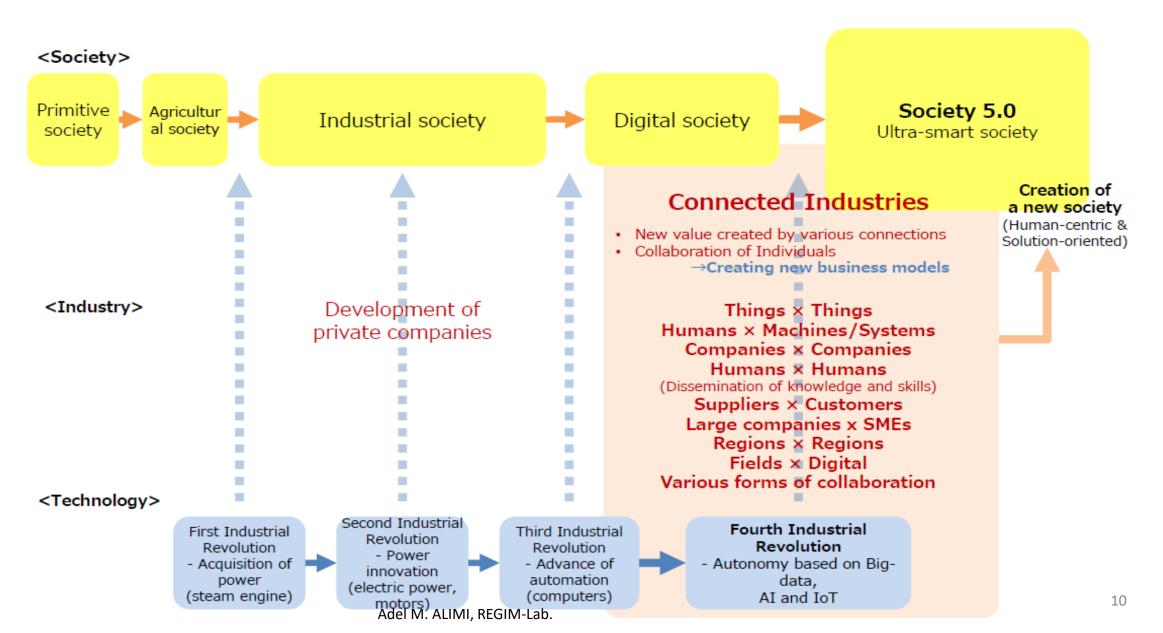
Use of new resources (data)

World released from various constraints

SUSTAINABLE GOALS DEVELOPMENT GOALS 17 GOALS TO TRANSFORM OUR WORLD

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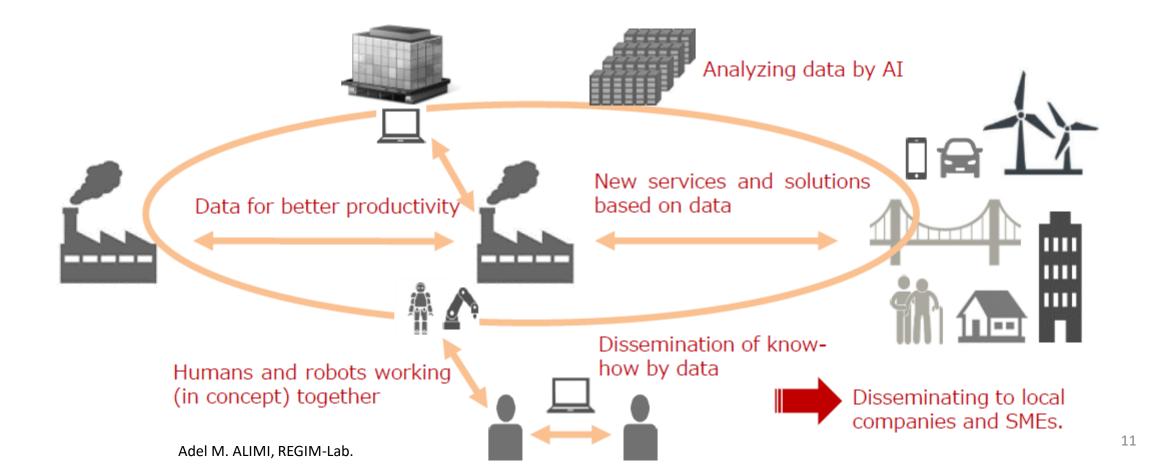
"Society 5.0" and "Connected Industries"



Connected Industries

Future goals

 Connecting data and using data efficiently will encourage innovation, better productivity and dissemination of technology.



Society 5.0: Human Centered and Sustainable Society

Cyber Space

Society that is Integrated by <u>AI</u>/IoT

Physical Space

✓ Human Centered

 Balances <u>Economic Advancement</u> & <u>Resolution of Social Problems</u>