



Working Group 1

Expanding human potential toward a society in which everyone can pursue their dreams

Chair: Dr. Miwako Doi, Sub-Chair: Dr. Hiroaki Kitano

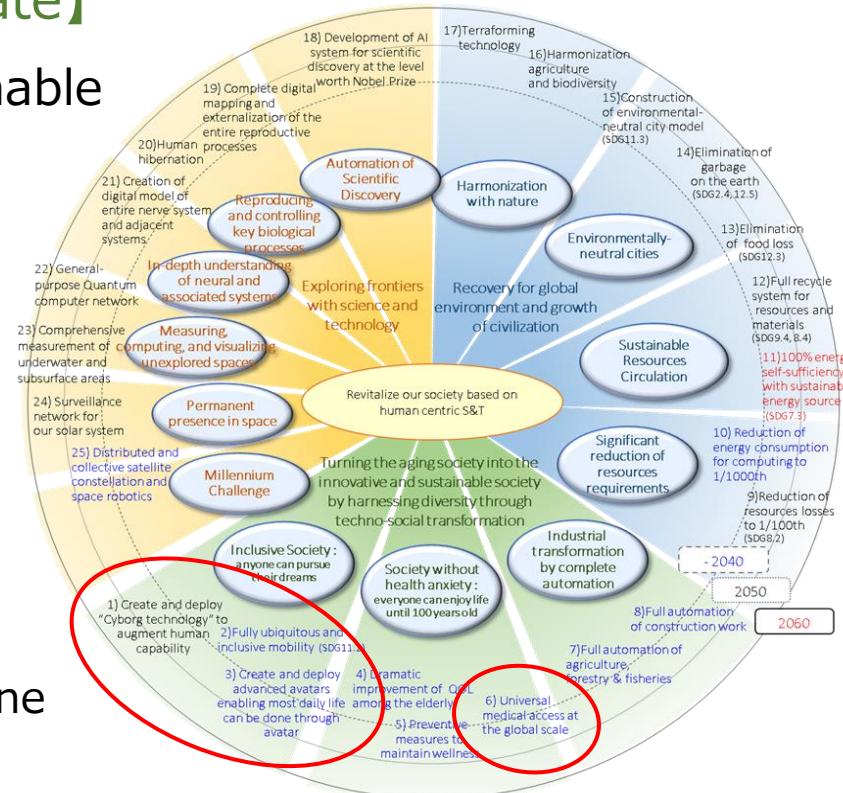
[The Moonshot [Area],[Vision] for setting MS [Goal] candidate]

[Area] • Turning the aging society into the innovative and sustainable society by harnessing diversity through techno-social transformation.

[Vision] • Inclusive Society: anyone can pursue their dreams.
 • Society without health anxiety: everyone can enjoy life until 100 years old.

[Examples of MS Goal candidate to be used as reference]

- 1) Create and deploy "Cyborg technology" to augment human capability
- 2) Fully ubiquitous and inclusive mobility
- 3) Create and deploy advanced avatars enabling most daily life can be done through avatar
- 6) Universal medical access at the global scale





Working Group 1

Member

	Member
Chair	Dr. Miwako Doi Auditor, National Institute of Information and Communications Technology
Sub Chair	Dr. Hiroaki Kitano President and CEO, Sony Computer Science Laboratories, Inc. Professor, Okinawa Institute of Science and Technology Graduate University
	Dr. Masahiko Inami Professor, Research Center for Advanced Science and Technology, The University of Tokyo
	Mr. Toshiyuki Kanoh, Excutive Chief Engineer, Data Science Research Laboratories, NEC Corporation
	Dr. Hideyuki Tokuda, President, National Institute of Information and Communications Technology
	Dr. Teruo Higashino, Professor, Graduate School of Information Science and Technology, Osaka University
	Dr. Norihiro Hagita, Chair and Professor, Art Science Department, Osaka University of Arts

Working Group 1

Discussion

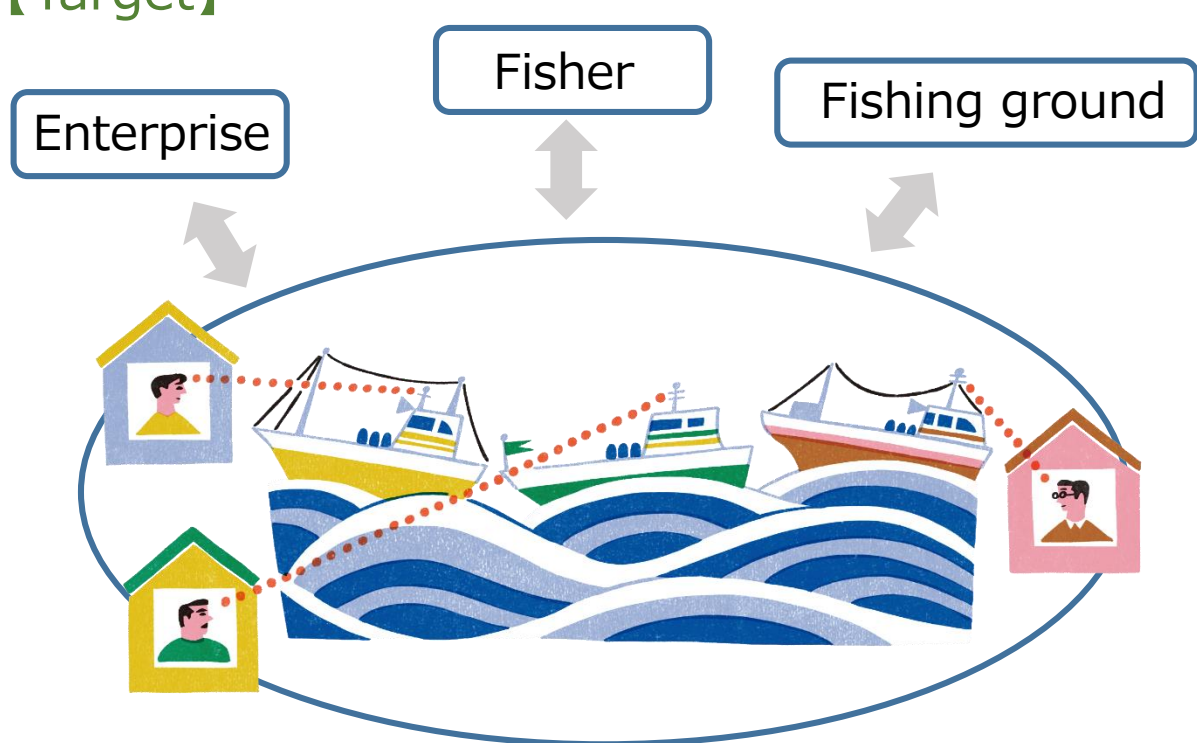
【Concept of MS Goal candidate】

- By 2050, realization of a society in which human beings can be free from their limitations of body, brain, space, and time with harmonious empowerment.

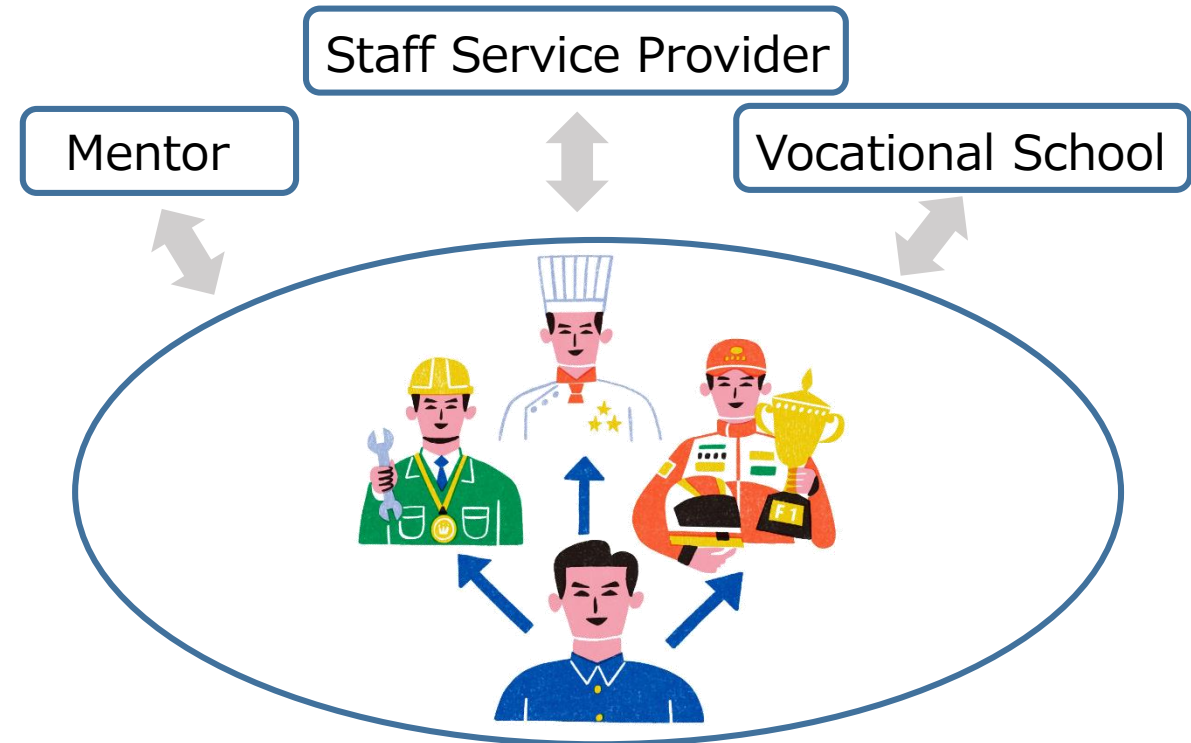


Working Group 1 Discussion

【Target】



**Cybernetic Avatar Capitalism
for Diversity and Inclusion**



Cybernetic Avatar Life



Working Group 1

Discussion

【Concept of MS Goal candidate】

- By 2050, realization of a society in which human beings can be free from their limitations of body, brain, space, and time with harmonious empowerment.

WG1 discusses Cybernetic Avatar(C-Avatar) Society in order to create disruptive socio-technological changes in Japan. C-Avatar is a concept that includes not only remote avatars using robots and 3D images as proxies but also empowerment of the physical/cognitive activities of human using ICT and robotics.

C-Avatar aims to be active not only in the physical world, but also in the cyber-physical world, i.e. Society 5.0.

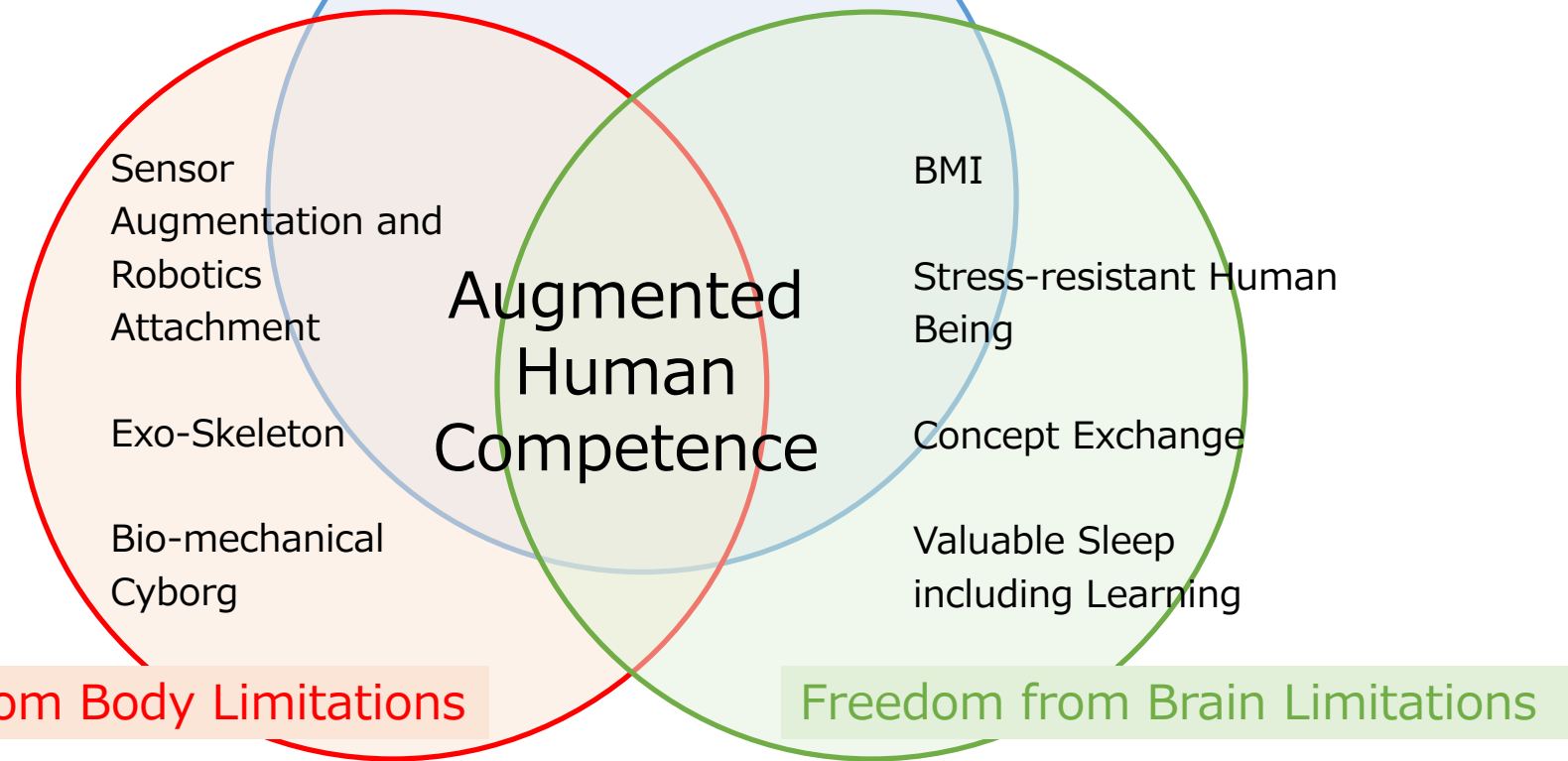
Business Target: Cybernetic Avatar Capitalism for Diversity and Inclusion

Life Target: Cybernetic Avatar Life

Working Group 1 Discussion

Freedom from Space Limitations and Time Limitations

Avatar I (Autonomous/Mixed Autonomy System)
Avatar II (BMI & Human Behavior recognition)



Common Technologies
Human in the CPS Loop



Working Group 1

Discussion

【Schedule】

Time	
9:40-9:50	Introductory
9:50-10:50	Freedom from Body Limitations
	Break
11:00-12:00	Freedom from Brain Limitations
	Break
13:20-14:20	Freedom from Space Limitations and Time Limitations
	Break
14:30-15:30	Human in the CPS Loop
15:30-15:40	Summary of the WG session