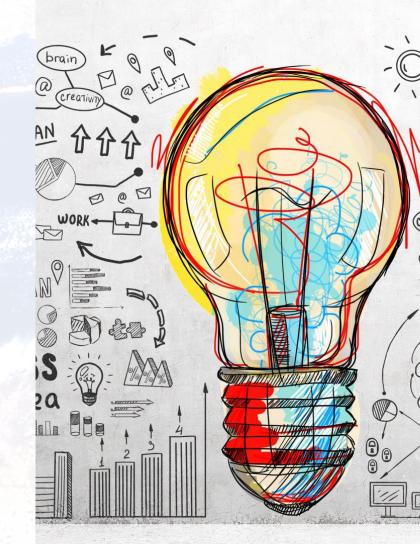
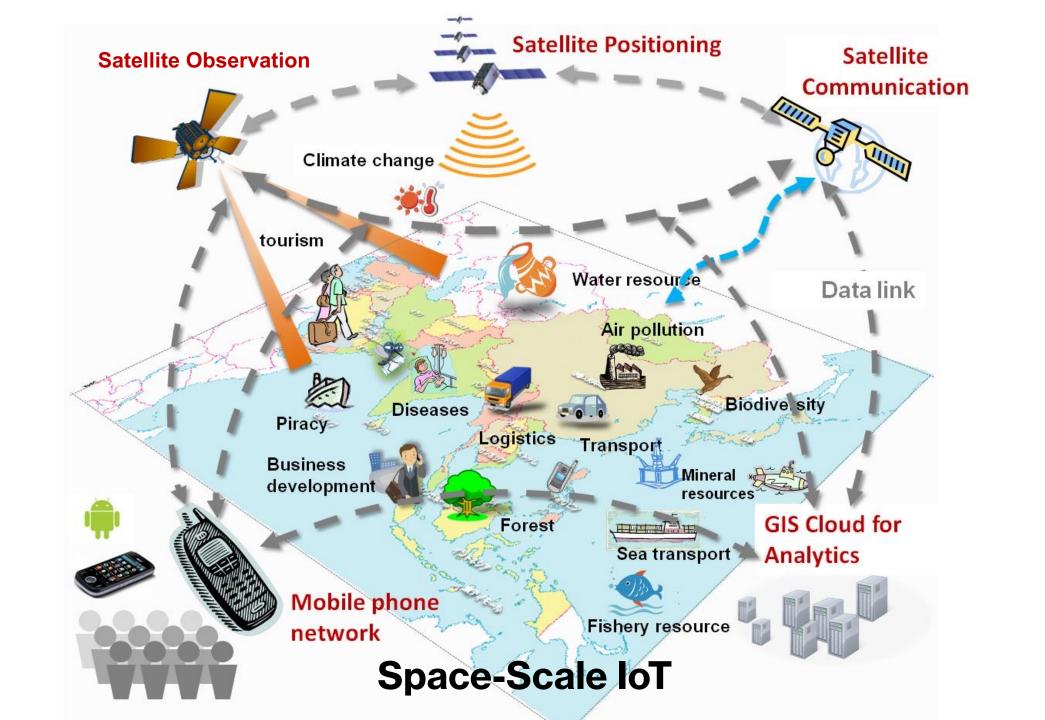
67th Committee on the Peaceful User of Outer Space (COPUOS)

Creation of Space-based Applications across Disciplines and Region

Naohiko KOHTAKE, Ph.D. PMP.

Professor, Graduate School of System Design and Management, Keio University President, Space Service Innovation Laboratory Inc.





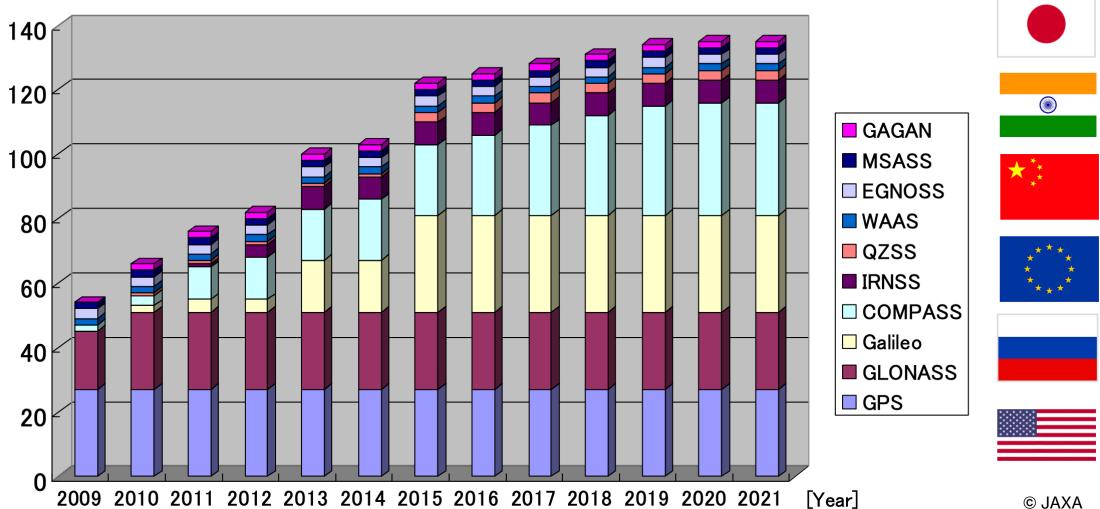


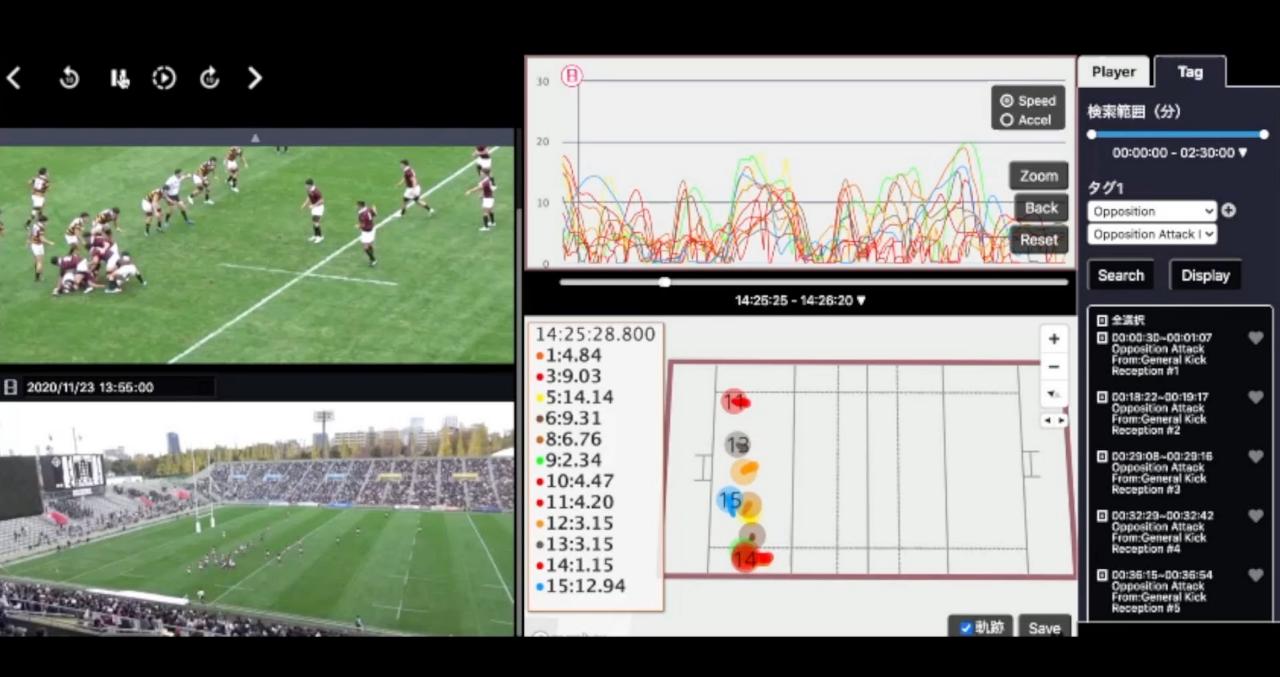




GPS to Multi-GNSS

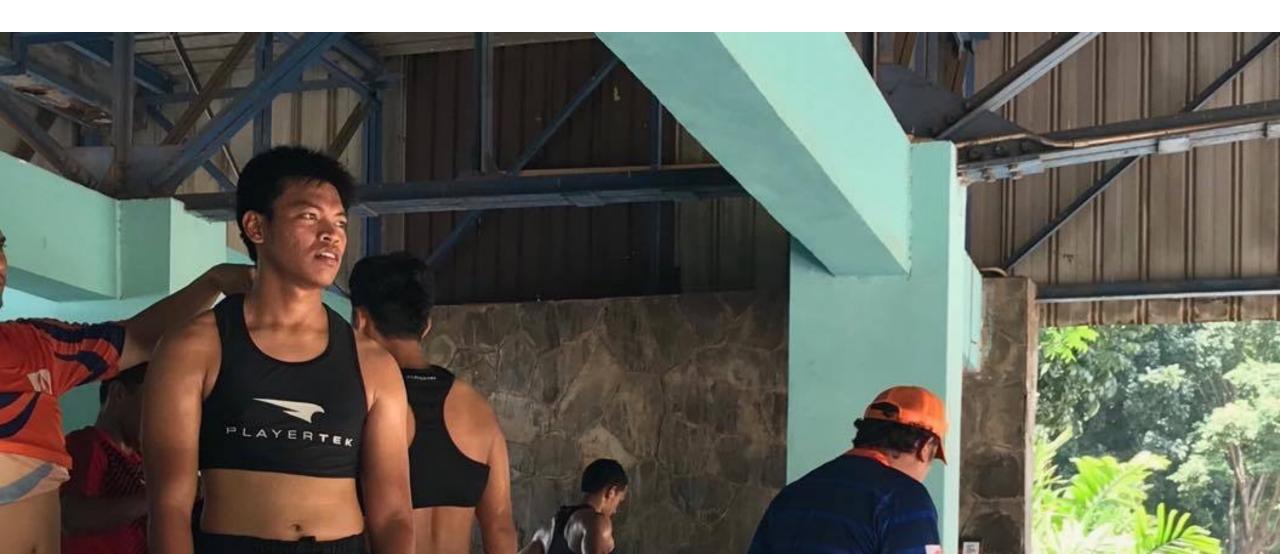
[Number of Positioning Satellites]





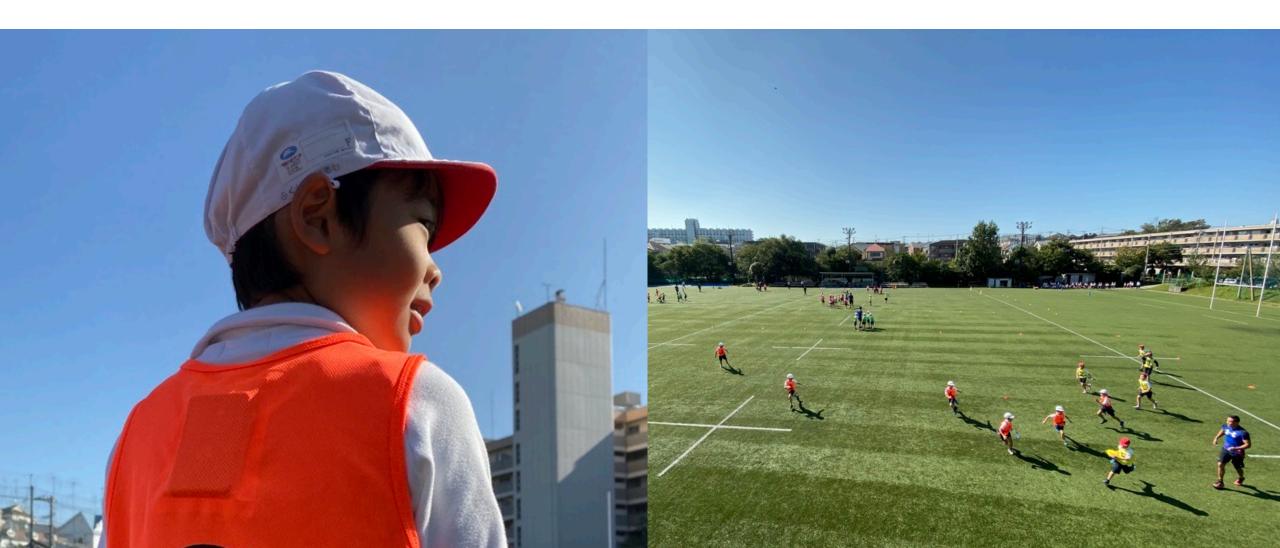


Japan to APAC





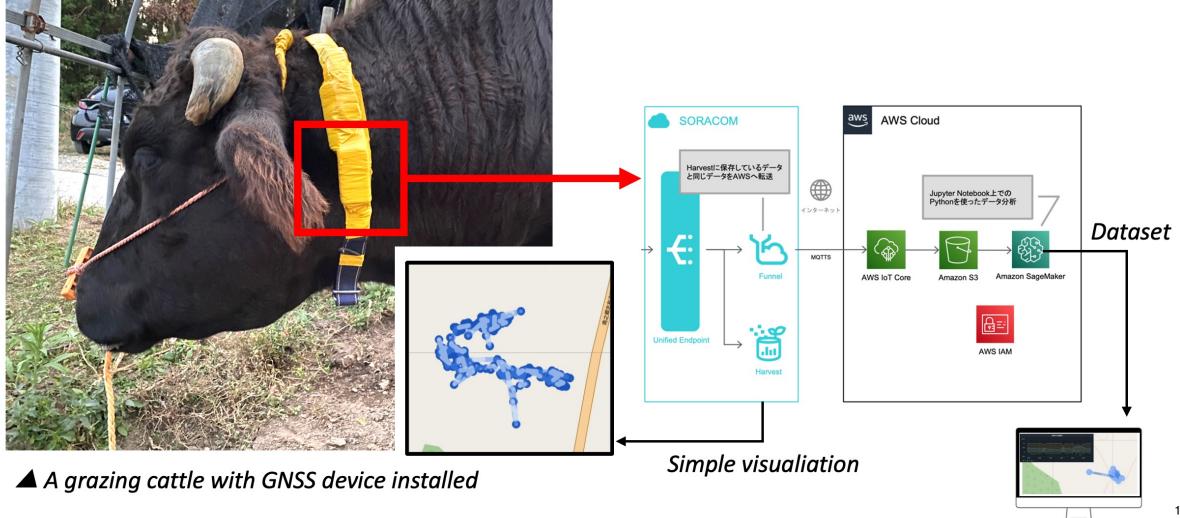
Sports Training to Sports Education



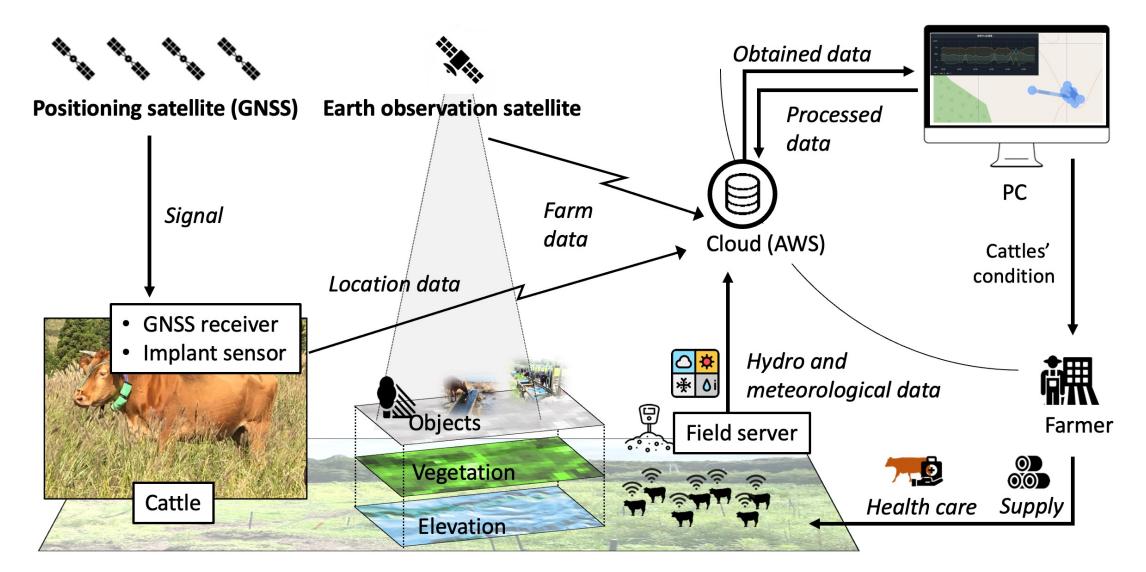




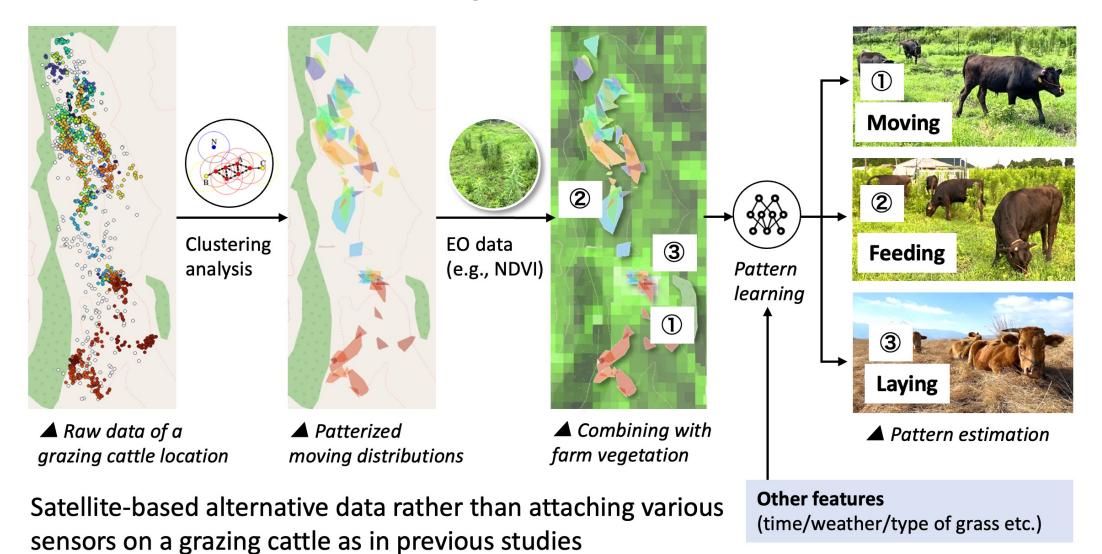
Athletes to Livestock Cattle



Smart Livestock Farming with GNSS, EO and AI



Smart Livestock Farming with GNSS, EO and AI



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Conclusion

- 1. Space technology/data is becoming commoditized. For today's digital native youth like Generation Z, space technology / data are not special.
- 2. To create a large number of diverse space-applications
 - a. People in space domain understands possibilities and challenges in non-space domain.
 - b. People in non-space domain understands possibilities and challenges in space domain.
 - c. To develop people who understand both space and non-space domain and who can create value by integrating them.
- 3. Create national and regional cooperation through space technologies / data, realize world-class human resource development programs and programs that contribute to the realization of a sustainable society.

HR Development and Program Creation Initiatives from Japan

- 1. Asia-Pacific Regional Space Agency Forum (APRSAF)
- 2. Consortium for Satellite Earth Observation (CONSEO)
- 3. Multi-GNSS Asia (MGA)
 - a. Rapid Prototype Development Challenge (RPD Challenge)
- 4. JICA's Space Cooperation with Emerging Nations
 - a. JAXA-JICA collaboration
 - b. JICA-JAXA Network for Utilization of Space Technology (JJNeST)
 - c. Technical cooperation for space agencies
- 5. Japan Space Strategic Fund etc.









