

Space and Society Division

This Domain researches advanced applications of satellite data, bringing together researchers from the social sciences, environmental studies, disaster prevention and agriculture to help realize a sustainable society. Governments and private companies in Japan and overseas are launching a wide range of satellites, a trend expected to transform the monitoring of economic, social and global environmental conditions. In particular, satellite data—used until now mainly for Earth observation—is expected to expand into new fields such as economic activity, population movement, urbanization and security. The Domain helps researchers in each field develop innovative applications of satellite data and thereby deepen and accelerate their research. To that end, we promote joint research among researchers and strengthen partnerships with relevant companies in Japan and abroad and with leading universities in Europe and North America.

Domain Overview and Mission

Tsukuba Collaboration

- ✓ Joint study sessions with JAXA's satellite data division
- ✓ Collaboration and joint research proposals with NIED
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- ✓ Study sessions on launching new satellites for social observation

International Partners

- ✓ Joint research with the Univ. of Wisconsin-Madison
- ✓ Joint research proposal submitted with Curtin Univ.

Faculty Members

Prof. Hisahiro Naito (Humanities & Soc. Sci.)
 Prof. Kenichi Kashiwagi (Humanities & Soc. Sci.)
 Prof. Jun Asanuma (Life & Env. Sci.)
 Assoc. Prof. Koichi Ushijima (Eng., Info. & Systems)
 Lecturer Takehiro Morimoto (Life & Env. Sci.)
 Asst. Prof. Fatwa Ramdani (Humanities & Soc. Sci.)
 Asst. Prof. Yohei Kinoshita (Eng., Info. & Systems)



Industry Collaboration

- ✓ Proposing joint research to domestic satellite-launch companies

On-Campus Collaboration

- ✓ Exchange meetings between satellite-data users and technology developers
- ✓ Study sessions to lower the barrier to using satellite data
- ✓ Satellite data × AI research

Mission

- Joint research with companies in Japan and abroad, and joint funding acquisition
- Promoting researcher exchange and supporting exploratory, seed-stage research that takes on new ideas that may become the next seeds and shoots
- Building an international hub in the field of space, satellite data, society and the environment