

## 人工衛星による地球観測：現状と将来計画の課題

## Satellite Earth Observation: Current status and Future Planning issues

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It is necessary to construct effective and sustainable satellite observation systems for monitoring the earth under pressure of climate change and environmental problems. The world satellite operators are in the process of program constructing for future satellite programs in the horizon of 2020 to 2040. There are also projects of related data analyses, like European Copernicus Program and US NOAA Big Data Project, which maximize the utility of satellite data by various services like climate service and others. Japanese contributions are also large with GOSAT, GCOM/W, GPM, ALOS-2, and the first third generation geostationary satellite Himawari-8. I like to discuss the status of these satellite programs and issues for future earth observation planning.

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