

JAXA Space Technology of ALOS series and Initiatives for Sustainable Development in the Asia and the Pacific

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Abstract: The Advanced Land Observing Satellite-2 (ALOS-2) was successfully launched on 24th May 2014. The mission sensor of ALOS-2 is the Phased Array type L-band Synthetic Aperture Radar-2 called PALSAR-2 which is the state of the art L-band SAR system. Until now after the successful completion of initial checkout after launching, ALOS-2 has been contributed to a lot of emergency observations for natural disasters, not only in Japan but also in the world. ALOS-3 with high resolution optical instrument and ALOS-4 with L-band SAR will be launched in Japanese Fiscal Year 2020. By using ALOS and ALOS-2 with other JAXA satellites data, JAXA contributes to UN Sustainable development goals through provision of those satellite products. In this paper, overview of ALOS series and contribution for UN SDGs using JAXA's earth observation satellite products are presented.

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