Kozo Okamoto¹,
Hidehiko Murata¹, Misako Kachi²

¹: JMA (Japan Meteorological Agency)
²: JAXA (Japan Aerospace Exploration Agency)

The 21th International TOVS Study Conference, Darmstadt, Germany, 29 Nov - 5 Dec 2017
Himawari-8

- Launched on 7 Oct 2014 and started the operation on 7 July 2015
- AHI (Advanced Himawari Imager) performs very well
  - 16 bands, 2km(IR), 2/1(NIR), 1/0.5km(VIS), 10min(full disk)/2.5min(Japan and target areas)/0.5min (landmark)
- Some updates have been made on calibration/navigation
  - The latest update is on 25 Jul 2017

Himawari-9

- Launched on 2 Nov 2016 and is under stand-by status
- Start the operation in 2022
- Validation shows a very good agreement with Himawari-8/AHI at most bands
Current operation

- **DPR on GPM Core**: Dual-frequency Precipitation Radar (KuPR + KaPR), Feb 2014~
- **GOSAT**: FTS for GHG (CO2 & CH4), Jan 2009~
- **AMSR2 on GCOM-W**: Microwave imager, May 2012~
- **PALSAR2 on ALOS2**: SAR for monitoring environment, disaster and resource, May 2014~

Plans

- **SGLI on GCOM-C** (23 Dec. 2017): Multi-ch optical imager for monitoring radiation budget and carbon cycle
- **TANSO-FTS-2 & TANSO-CAI-2 on GOSAT2** (2018): FTS & imager for CO2, CH4, CO
- **CPR on EarthCARE** (2019): Doppler cloud radar

Start discussion of AMSR2 follow-on
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<td>ALOS-2 / PALSAR-2</td>
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<td>[Cloud and aerosol 3D structure]</td>
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<td>ETS-9 (Engineering Test Satellite No.9)</td>
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Mission status:  On orbit | Extended Life Period | Development | Study