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JMA and JAXA

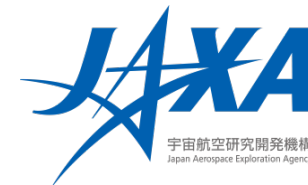


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■ Himawari-8/9

- Himawari-8: Started the operation on 7 Jul. 2015
- Himawari-9: under standby status, take over the operation in 2022
- **AHI** (Advanced Himawari Imager) performs very well
- New service and products: HimawariRequest, AMV-based surface wind, AOD

■ Himawari follow-on program

- Start discussion to put into operation around **FY2029**
- User requirement and impact are investigated on enhanced VIS/IR imager, **hyperspectral IR sounder (HSS)**, lighting imager,,,
 - Global and Regional OSSE for HSS
 - Technological trend surveys in Japan/US/Europe
- Suggestions, comments and requests are highly welcomed!!

■ Current operation

- **GPM-Core/DPR** (NASA-JAXA): Dual-frequency Precipitation Radar (KuPR + KaPR), Feb 2014~
- **GOSAT/TANSO**, **GOSAT-2/TANSO-2** : FTS for GHG (CO₂ & CH₄), Jan 2009~, Oct. 2018~
- **GCOM-W/AMSR2** : Microwave imager, May 2012~
- **GCOM-C/SGLI**: Multi-ch optical imager for monitoring radiation budget and carbon cycle, Dec.2017~
- **ALOS-2/PALSAR-2** : L-band SAR for monitoring environment, disaster and resource, May 2014~

■ Plans

- **ALOS-3** : Advanced optical imager, follow-on of ALOS/AVNIR2 (JFY 2020)
- **ALOS-4** : Advanced L-band SAR, follow-on of ALOS-2/PALSAR-2 (JFY 2020)
- **EarthCARE/CPR** (ESA-JAXA) : Doppler cloud radar (JFY 2021)

■ **AMSR2 follow-on** (no earlier than JFY2022)

- Current status: pre-project phase since Sep. 2018. Expect to start phase-B in late 2019
- Equivalent to AMSR2 except for additional high freq ch (166GHz and 183GHz)
- Share satellite bus with GOSAT2 follow-on (666km alt, 13:30 LT in ascending node)
 - → finer FOV (5% less), narrower swath width (1535km)

JAXA's Earth Observation Schedule

