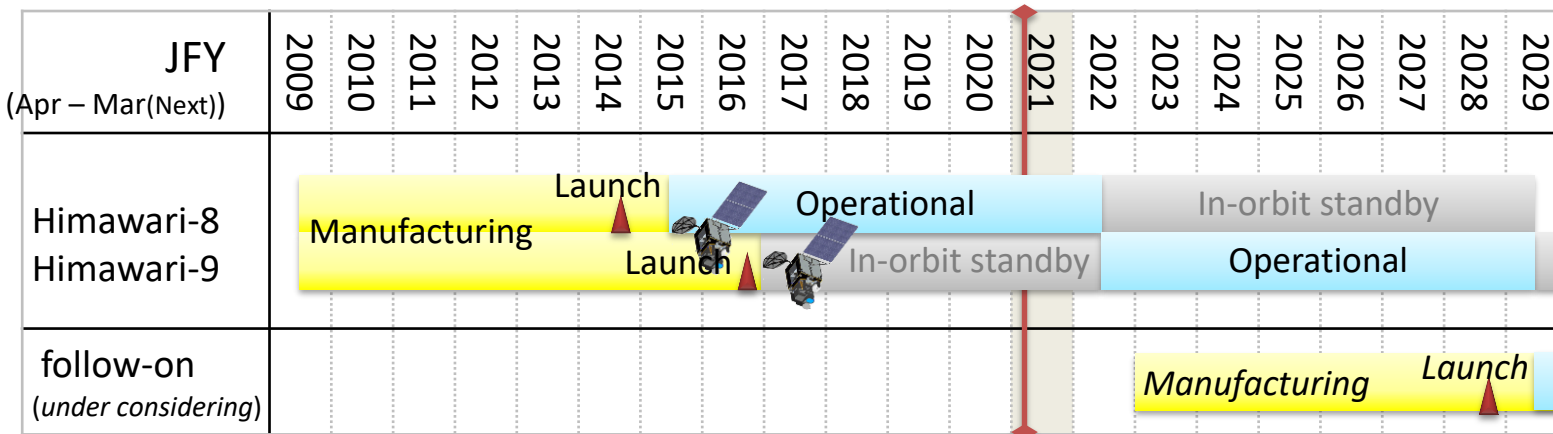


Main development since CGMS-48 and an outlook for the future by JMA

Presented to CGMS-49 Plenary, agenda item 2

Japan Meteorological Agency

Schedule of Himawari -8/9 and their follow-on



- JMA operates GEO meteorological satellites; Himawari -8/9
- Himawari-8: Operational since July 7, 2015
- Himawari-9: Standby for backup since March 10, 2017
 - Switch over from H-8 to H-9 is planned in JFY 2022
- JMA is *considering* the next GEO satellite program:
 - “By *JFY2023* Japan will start manufacturing the Geostationary Meteorological Satellites that will be the successors to Himawari-8/9, aiming to *put them into operation in around JFY2029*”

Japan’s “Basic Plan on Space Policy” (June 2020)

Himawari-8/9 follow-on program

- In 2018, JMA started considering the Himawari-8/9 follow-on program.
 - JMA will pursue a seamless geostationary Earth orbit satellite system, by considering the CGMS baseline and the Vision for WIGOS in 2040.
- JMA is assessing potential impact of hyperspectral IR sounder on GEO satellite by conducting OSSE experiments.
 - The importance of high-frequency observations over wide area was demonstrated (Okamoto *et al.*, 2020; CGMS-49-JMA-WP-02).
- User requirements for Himawari follow-on satellite have been collected from Japanese researchers, JMA internal, and Australia.
- In 2020, JMA task force was established between the Satellite Program Division & the Meteorological Satellite Center, for developing concepts & specifications of space & ground segments.