SATURN: SATellite User Readiness Navigator for the next generation of geostationary satellites

Status and developement

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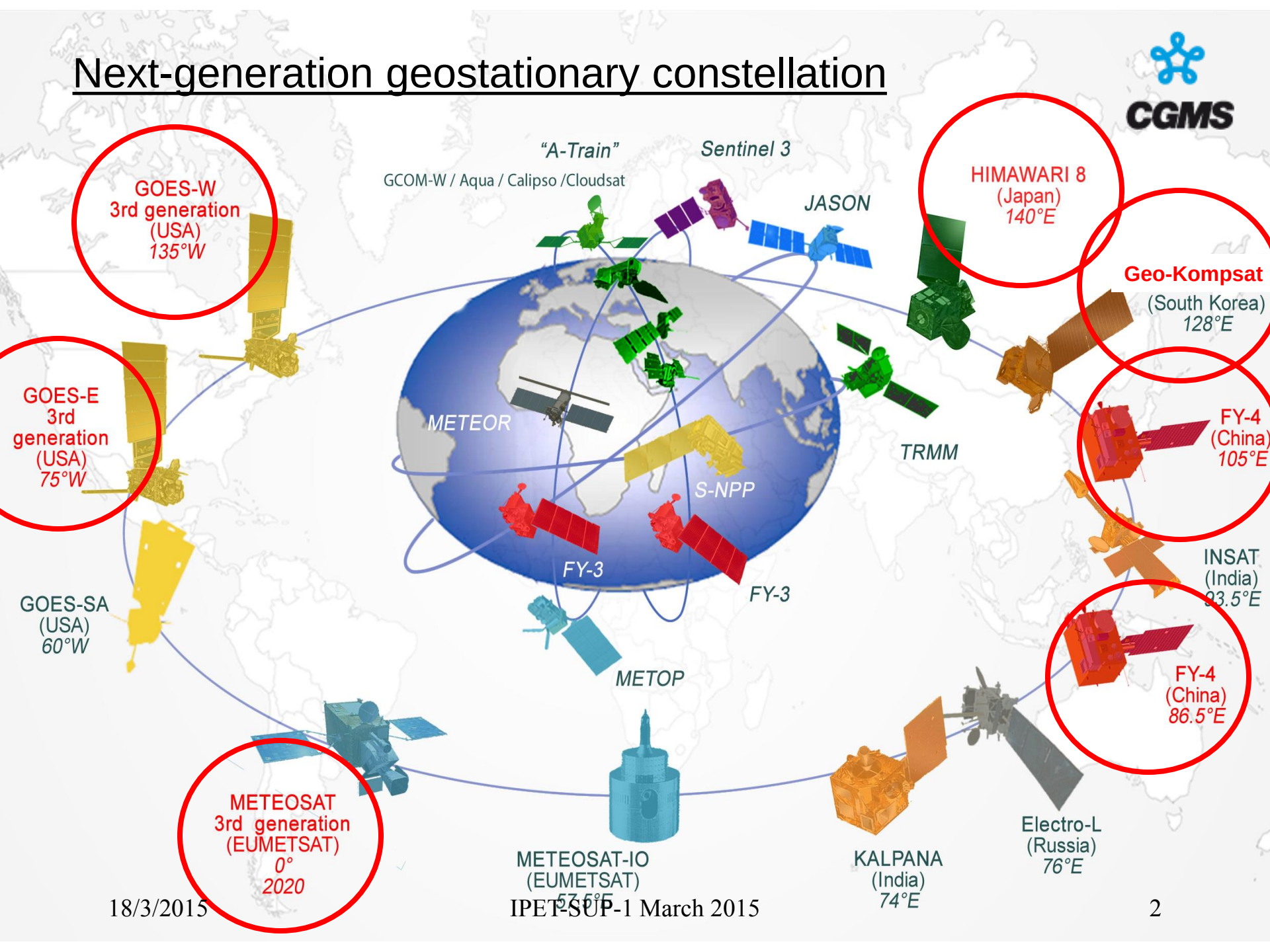
Next-generation geostationary constellation



SATURN: Status

- The SATURN portal is now openly available under http://www.wmo-sat.info/satellite-user-readiness.
- **Agency contacts**
  - Focal points have been nominated from CMA, EUMETSAT, JMA, NOAA, KMA, IMD and ROSHYDROMET (Russia).
  - For GOES-R and MTG local web support teams are now directly involved
- **Portal content**
  - As of March 2015, up-to-date content is being provided for Himawari-8 and GOES-R. Preliminary content is available for Elektro-L, FY-4 and MTG.
- **Reference User Readiness Project**
  - Timeline for NWP has been refined with support of ECMWF

SATURN: Status

- **Training Resources**
  - Spanish and French language training resources have been identified for GOES-R (Multi-lingual functionality of portal not yet used)
  - Links to global training resources (COMET, Vlab) have been included in portal.
  - Training resources relevant to specific application areas, e.g. NWP, will be included when available
- **Technical aspects of portal**
  - A number of smaller improvement have been made to the portal
  - Should be noted that very limited web-programming resources are currently available for technical modifications to the portal

SATURN: Development

- **GEO content**
  - Currently focus is on development of content for GOES-R and Himawari-8, but increased attention will be given to other satellites to be launched within the next three years (FY-4, Elektro-L N2, INSAT-3DR)
- **LEO**
  - POCs for the core LEO meteorological satellites (Metop, JPSS, FY-3) are under identification and will be finally confirmed at CGMS-43, after which the portal will be adapted to LEO satellites.
- **On-ground instrument characterisation**
  - Discussions have been initiated with GSICS regarding development of a checklist for on-ground instrument characterisation data for inclusion in the reference project.
  - Should address specifics of new instrument, i.e. multi-detector channels.

Reference User Readiness Project: Background

- **Structure to support user readiness planning**
  - Generic timeline with respect to launch date
  - (-5/-4/-3 years etc.)
  - Deliverables for users and satellite operators

Users (e.g. NMS)	Satellite operators
Budget planning, R&D	Operation plans & schedules
Data reception & handling	Instrument characterization
Data processing & visualization	Data access specifications
Training and capacity building	Test data and tools; Software
Contributions to cal/val	User dialogue channels

- The detailed timeline of activities and deliverables is available in the SATURN portal

SATURN: DEMO

http://www.wmo-sat.info/satellite-user-readiness

Thank you for your attention