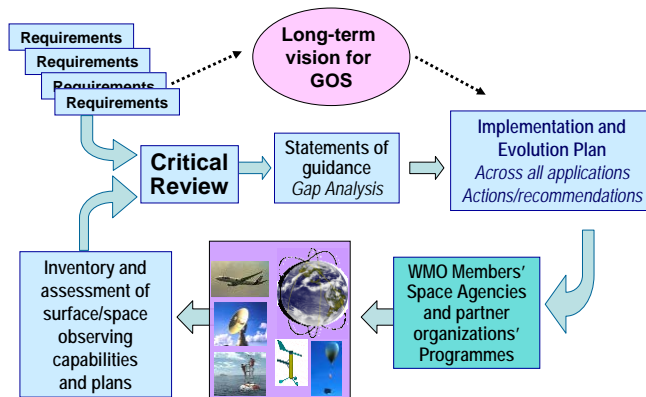


Future Space-based Observing System

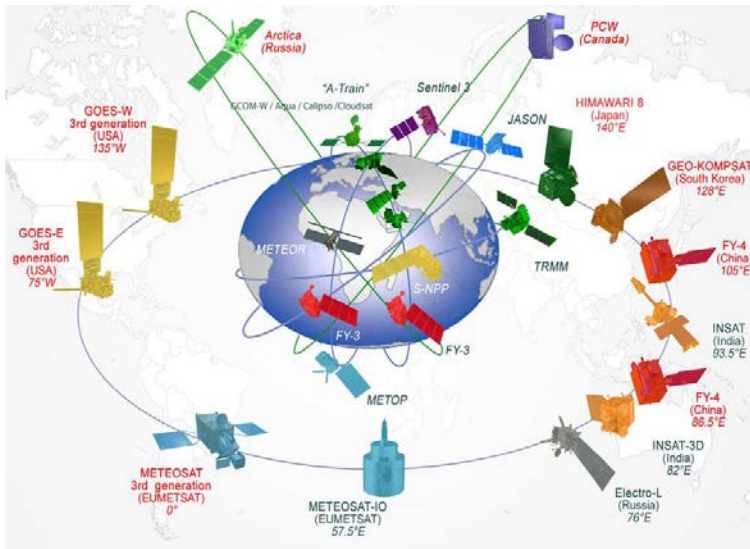
Jérôme Lafeuille, WMO, Space Programme

Rolling Review of Requirements for Global Observing Systems
(WWW, GAW, WHYCOS, GCOS, GCW)



General features of the WMO Vision of the GOS

- Higher spatial, spectral and temporal resolutions
- Integrated approach to meet the needs of different applications
- Diversity of orbits and sensors
- Interoperability through inter-calibration and data standardization



A snapshot on the vision / actual implementation



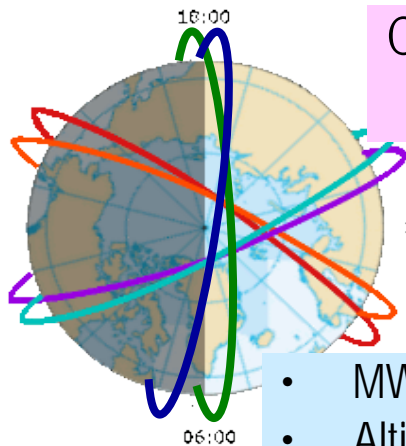
Geostationary component

- VIS/IR imagery
- IR hyperspectral
- Lightning imagers

- Upcoming new GEO imagers: Himawari-8, GOES-R, FY-4, Electro-M, GEOKompsat-2A, MTG-I.

User preparation needed !

- Sounders: from GOES & INSAT-3D to FY-4 and MTG-S
- Lightning mappers



Core sun-synchronous component imagery and sounding

Other missions:

- MW imagery
- Altimetry, scatterometry
- Radio-occultation
- Global Precipitation
- Atmospheric composition
- Earth Radiation Budget
- Multi-directional viewing IR imager

- Hyperspectral: IASI, CrIS, HIRAS
- FY-3 on early morning (TBC)

- GCOM-W
- Jason-3, Sentinel-3
- GPM-Core, FY-3 RM (TBC)
- COSMIC-2
- HY-2 and Oceansat-2
- Data accessibility ...