

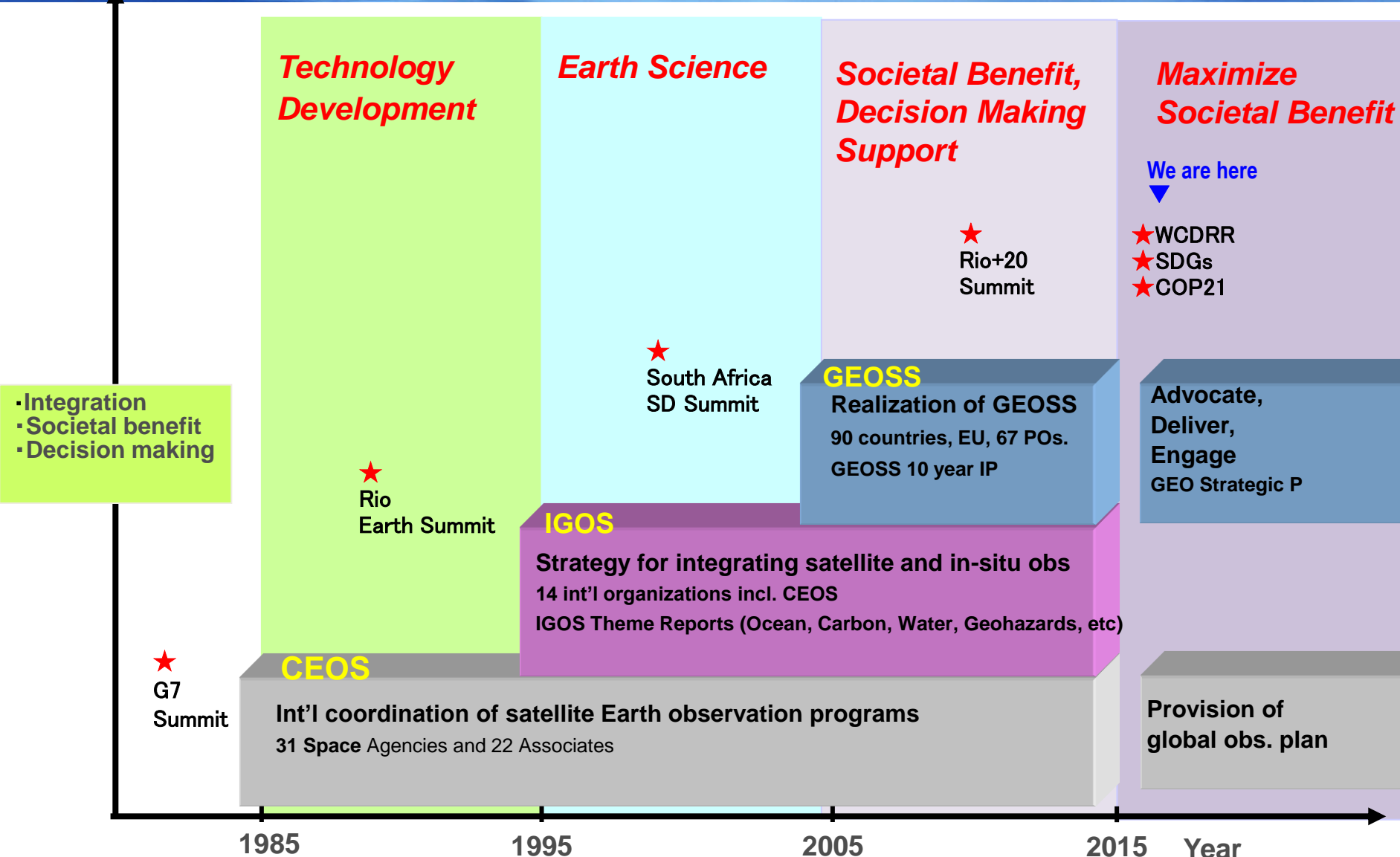
Perspectives of JAXA

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Evolution of Satellite Earth Observations



CEOS: Committee on Earth Observation Satellites
 IGOS: Integrated Global Observation Strategy
 GEOSS: Global Earth Observation System of Systems

- **CEOS provides international coordination of civil satellite-based Earth observation programs.**
- **JAXA has been serving as one of secretariats (NASA/NOAA, ESA/EUMETSAT, MEXT/JAXA).**
- **JAXA has served CEOS Chair in 1993, 2002 and 2015.**
- **Mr. Yamamoto, CEOS 2015 Chair, wants to promote mission coordination and task sharing in global Earth observation systems and services.**
- **As 2015 CEOS Chair, AXA promotes three priority areas:**
 - **define satellite roles in major international frameworks, i.e. WCDRR, SDGs, COP21**
 - **promote satellite applications in Disaster and Ocean areas**
 - **develop satellite data applications report to review progress and present evidence of satellite data usefulness**



- Japan supports the establishment of global Earth observation system and supports GEO/GEOSS.
- Japan hosted the 2nd Earth Observation Summit in April 2004. Prime Minister Koizumi stated “I believe we can achieve both economic development and environmental protection by Earth observation”.
- Japan defined high priority SBAs, i.e. Disaster, Climate and Water.
- Japan promotes three priority areas:
 - reinforce political support for Earth observation and user engagement, such as WCDRR, SDG and COP-21
 - promote data integration and prediction, such as water-nexus linking water-disaster-agriculture.
 - promote regional system and application development, such as AWCi (Asian Water Cycle Initiative)

- JAXA is completing development of the first generation missions, ALOS, GCOM, TRMM/GPM, GOSAT and EarthCARE.
- Japan revised Basic Space Plan in 2014 and 2015 to promote space applications including disaster/security and space industry development.
- Japan announced future space mission chart, which include advanced SAR and Optical satellites, GOSAT2/3 and geostationary meteorological satellites. Environmental satellite missions after GCOM-C need to be defined.
- JAXA had a major reorganization to reinforce mission planning, research/project implementation and space applications.

