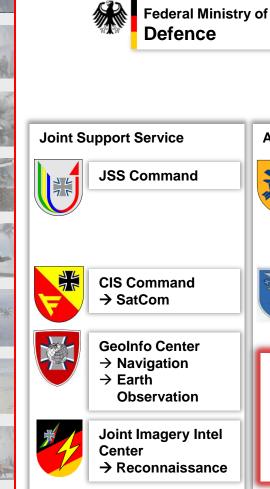




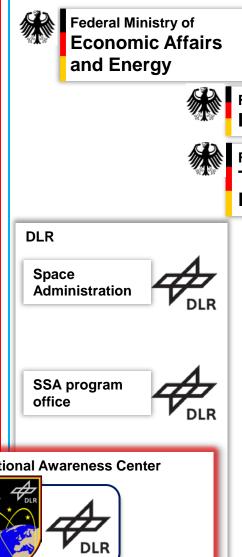
German Space Actors and Responsibilities















Federal Ministry of Transportation and **Digital Infrastructure**





Research & Development

Industry & **Operators**



Strategies → Concepts → Plans





Military domain



Defence Policy Guidelines Strategic Guidelines for Space



German Space Strategy Civil domain







Bundeswehr Concept Guidelines for future development



Joint Space Concept



Joint CIS Concept Joint INTEL Concept Joint GeoInfo Concept



DLR national space program Activities targeted to:

- Space and Security
- Earth observation
- Communication & Navigation
- SSA

DLR Space Administration







German SSA System



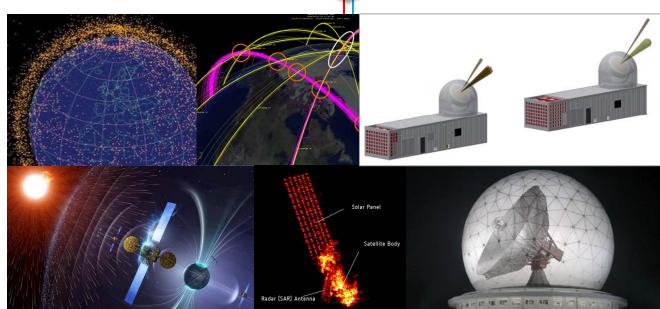
Military domain

- Support to satellite operations
 - SAR-Lupe
 - SARah
- GPS predictions for users
- SSA, SpWx
- GSSAC Upgrade 1
 - IOC 2018
 - FOC 2020



Civil domain

- Support to satellite operations
 - Reentry monitoring
 - SSA R&D program
 - End-to-end capability
 - German Experimental
 Space Surveillance
 and Tracking Radar
 - IOC 2018







SSA Cooperation Network



Military cooperation





- Space support to military operations
- Joint / Combined Space operations
- Exercises, Wargames





- International Research & Development programs
 EU Space Surveillance & Tracking Support Program:
 - Operational services to EU Member states
 Coordination of capabilities & activities









