

SSA Programme European Framework for SWE activities

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Space Situational Awareness - Goals



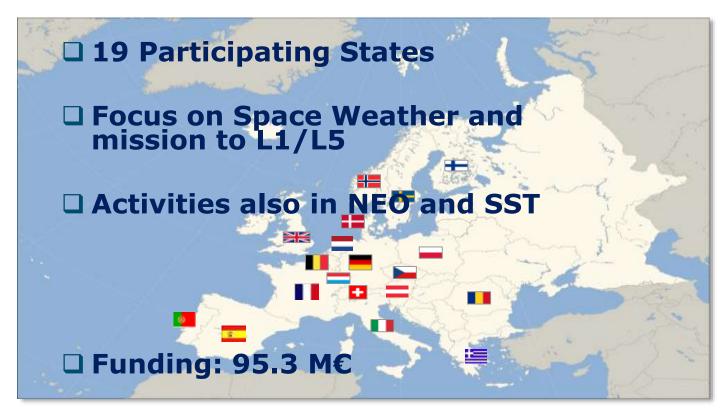
European Space Agency

- Society heavily dependent on critical space and ground assets
- Assets to be protected against adverse effects from space
- SSA Programme Declaration calls for: Independent European access to SSA data and services
- Three main areas:



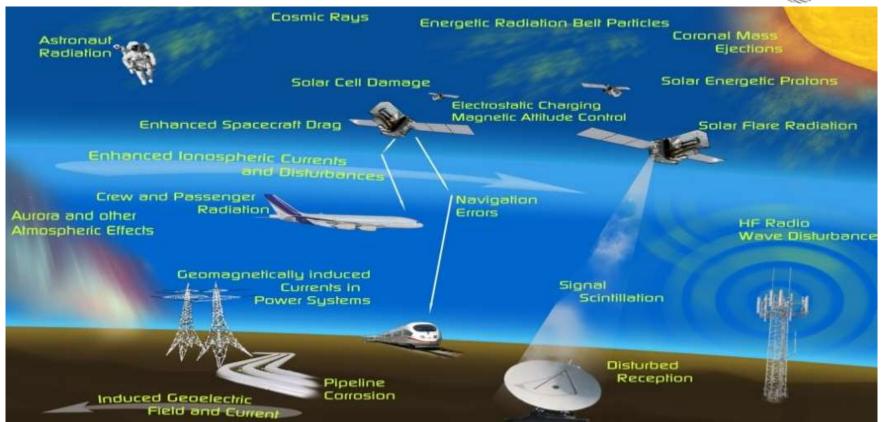
Period 3 (2017 - 2020)





Importance of Space Weather





Networking European SWE Assets





Data archives

- SSA SWE Data Centre (Redu)
- Federated data repositories

SSA SWE Coordination Centre

- User Helpdesk
- Space Pole, Belgium

SWE Expert Service Centres (ESCs)

Solar Ionospheric Space Geomagnetic Weather Weather Radiation Conditions Weather

European expert groups and centres of excellence

























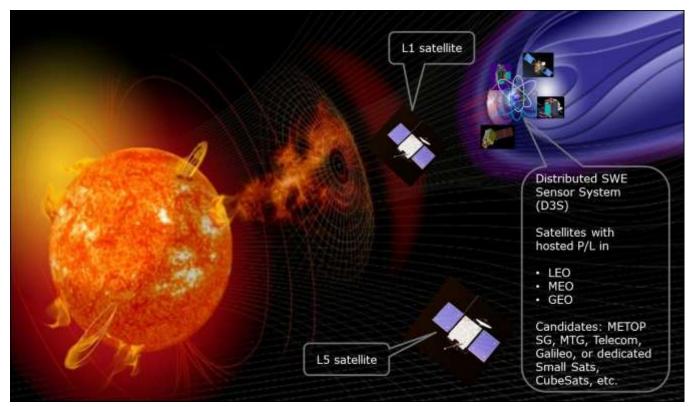






Enhanced SWE observation system required

































Enhanced SWE observation system: L5 + L1



SWE L5 Mission

- Solar corona monitoring
- Heliospheric imaging
- Solar disc magnetic field
- EUV imaging
- In-situ measurements:
 - solar wind
 - magnetic field
 - charged particles
 - o hot plasma

Decision at CM19 on continuation of mission

Coordination with US (NOAA/NASA)

