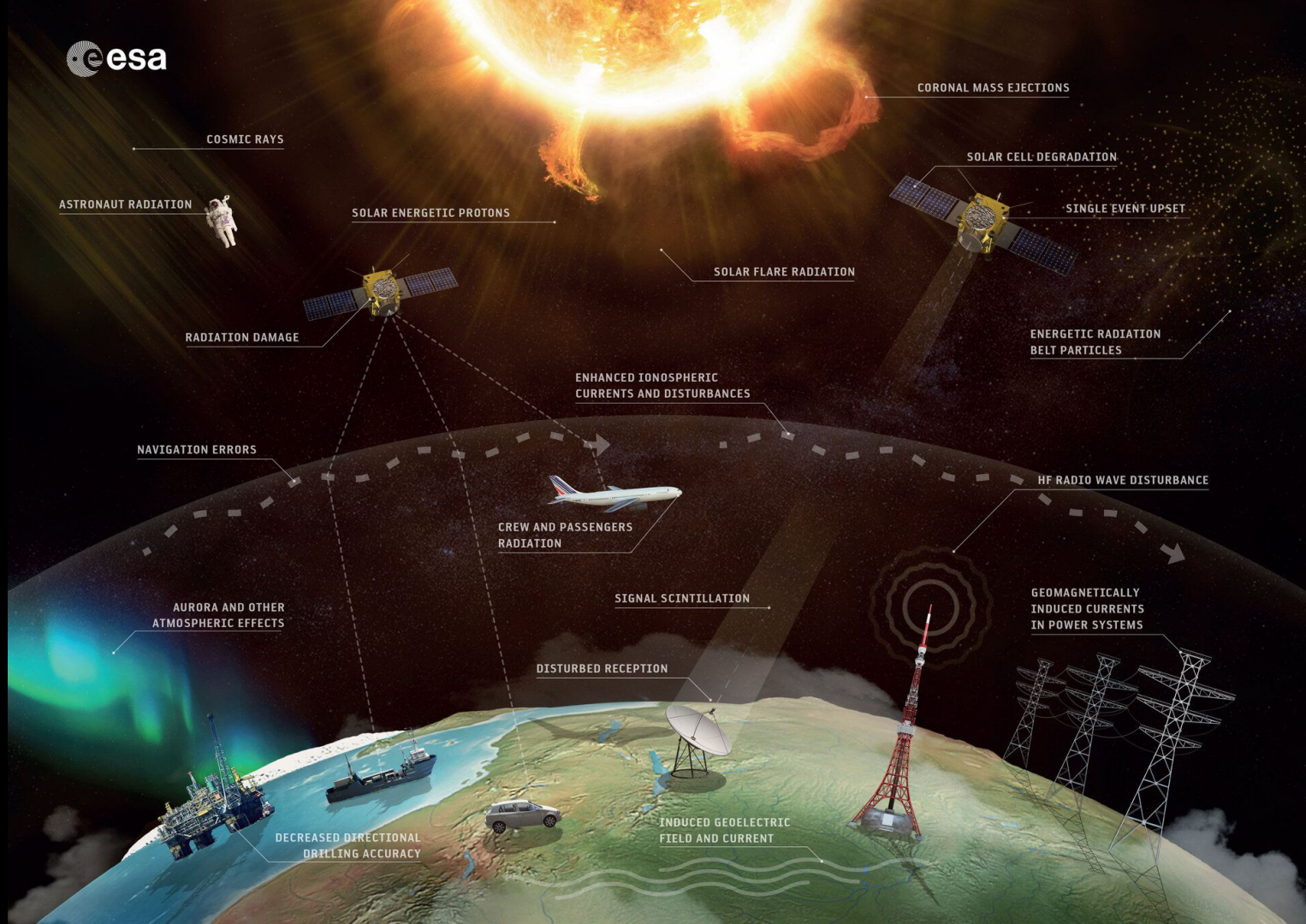




SPACE::LAB



CORONAL MASS EJECTIONS

COSMIC RAYS

ASTRONAUT RADIATION

SOLAR ENERGETIC PROTONS

SOLAR CELL DEGRADATION

SINGLE EVENT UPSET

SOLAR FLARE RADIATION

RADIATION DAMAGE

ENERGETIC RADIATION
BELT PARTICLES

ENHANCED IONOSPHERIC
CURRENTS AND DISTURBANCES

NAVIGATION ERRORS

HF RADIO WAVE DISTURBANCE

CREW AND PASSENGERS
RADIATION

AURORA AND OTHER
ATMOSPHERIC EFFECTS

SIGNAL SCINTILLATION

GEOMAGNETICALLY
INDUCED CURRENTS
IN POWER SYSTEMS

DISTURBED RECEPTION

DECREASED DIRECTIONAL
DRILLING ACCURACY

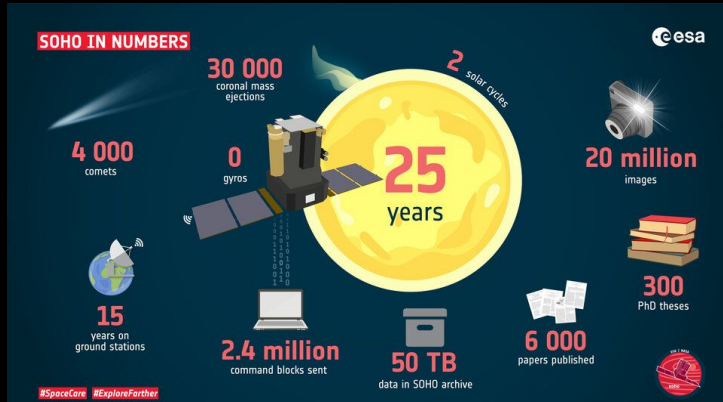
INDUCED GEOELECTRIC
FIELD AND CURRENT



F10.7, Sunspot number, H-alpha



SDO / AIA 171 & 193 channels



SOHO / EIT 171 & 195 channels



Solar Orbiter / EU1

Your tasks (till: 3:30 pm):

- Get mission basic info (start, instruments, goal, ...)
- Search for data (fits, jp2, csv, ...)
- Visualize the sample (Jupyter)
- Identify solar activity (potential driver of space weather)
- Summarize your findings to slides (up to 10 min)

Teams' presentations: 4 pm