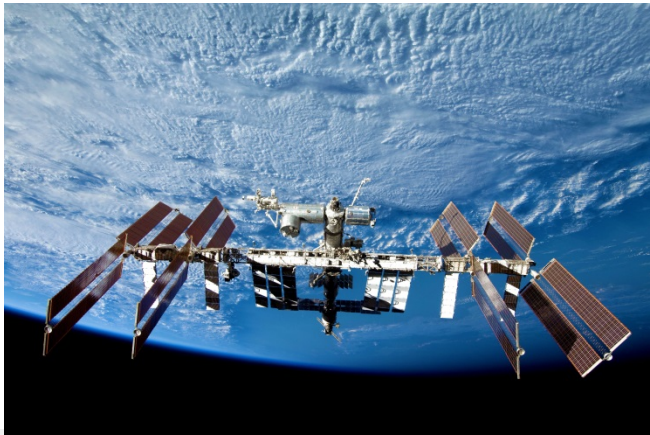
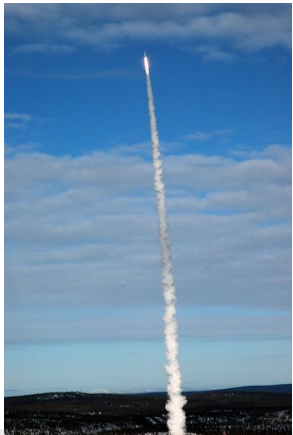
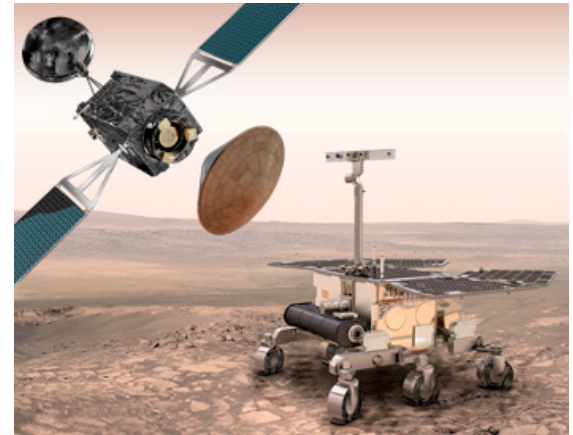


Briefly on ESA programmes

ELIPS – life and physical sciences in microgravity and related research



ExoMars – exploration of Mars



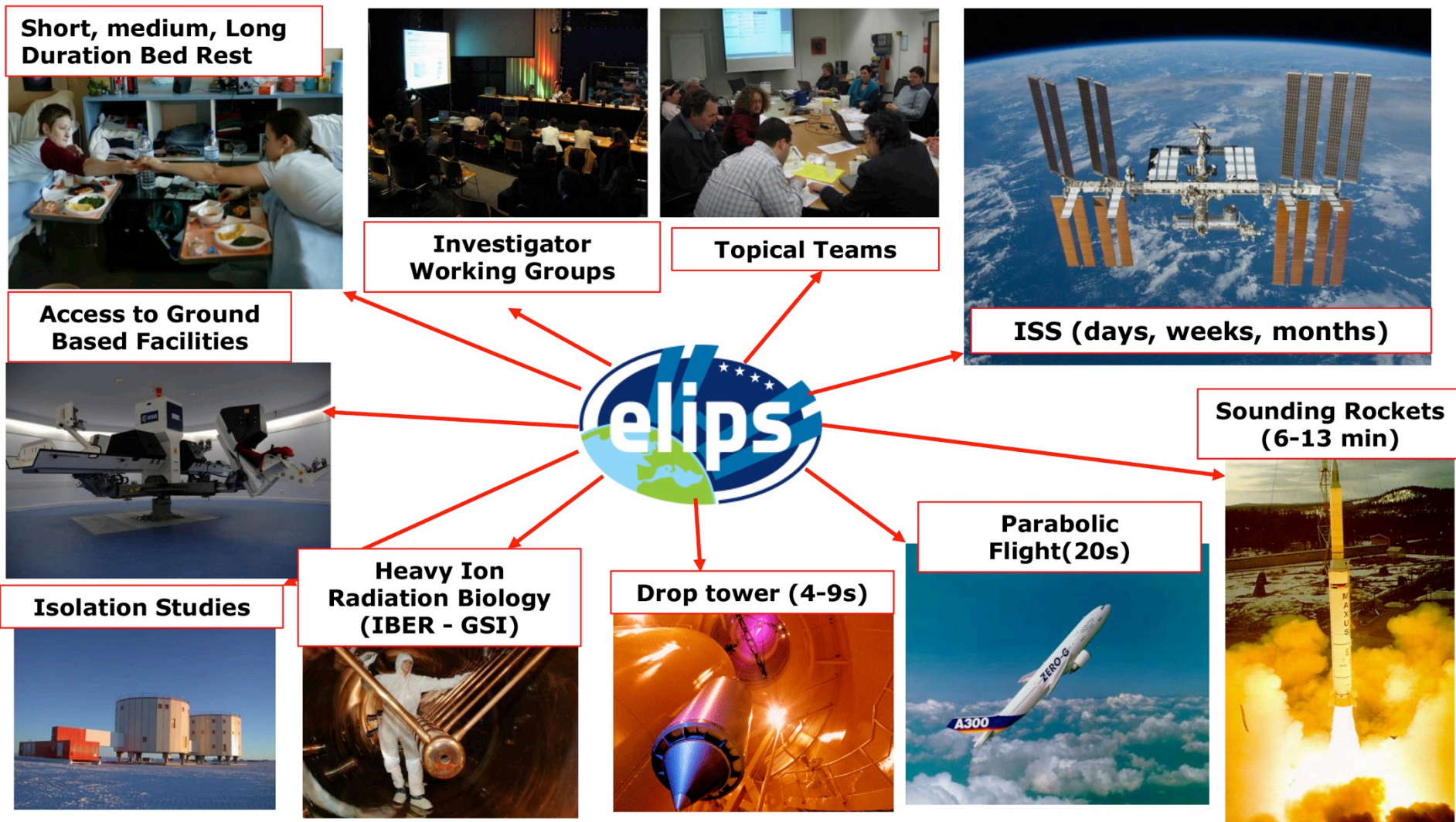
ELIPS – European Life and Physical Sciences in Space

- Since 2002 ESA's key programme to conduct research on ISS and other platforms
- New research call ILSRA-2014 within Life Sciences (physiology, biology, exobiology etc.) just opened
- Important dates:
Letters of Intent due: 28th March 2014
Proposal Workshop: 7th April 2014
Proposals due: 23rd May 2014



ELIPS – not only research on ISS

The broad interdisciplinary research in ELIPS is supported by access to wide range of platforms, as well as networking opportunities



SNSB encourages larger Swedish participation in ELIPS

- Offers seminars on microgravity research with participation of Christer Fuglesang et al. In 2013, seminars were held at KTH and Chalmers
- Point of contact for interested scientists: to get in touch with ESA, technical experts, other research groups already involved etc.
- Funding opportunities within national space research programme, travel grants



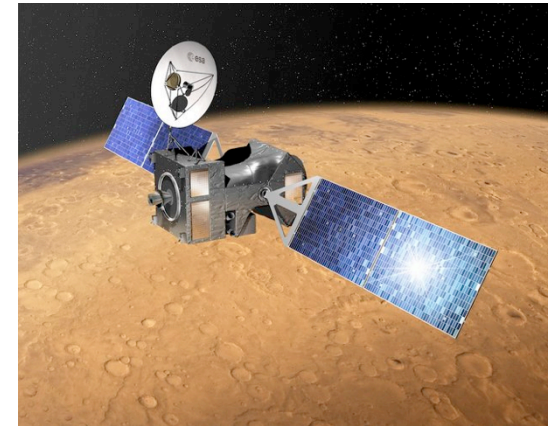
ExoMars programme

- Optional ESA programme carried out in cooperation with Roscosmos
- ExoMars consists of two missions:

Trace Gas Orbiter and Entry, Descent and Landing Demonstrator Module to be launched in 2016

Rover to be launched in 2018

*Swedish scientific participation in MOMA instrument



Other Mars related activities

- Mars Robotic Exploration Preparatory Programme (MREP)
 - technical/engineering studies and preparatory work for future Mars missions:
Mars Phobos Sample Return (PHOOTPRINT) or
Mars Network Science Mission (INSPIRE)
- International Mars Exploration Working Group (IMEWG) – agency WG to discuss and prepare Mars Sample Return mission
- Two new MSR working groups established on Science and Engineering - Swedish participation in Science WG

