Olle Norberg

Director of IRF

ACCESS TO SPACE RF SPACELAB Olle Norberg - 2021-12-01 INSTITUTET FÖR RYMDFYSIK

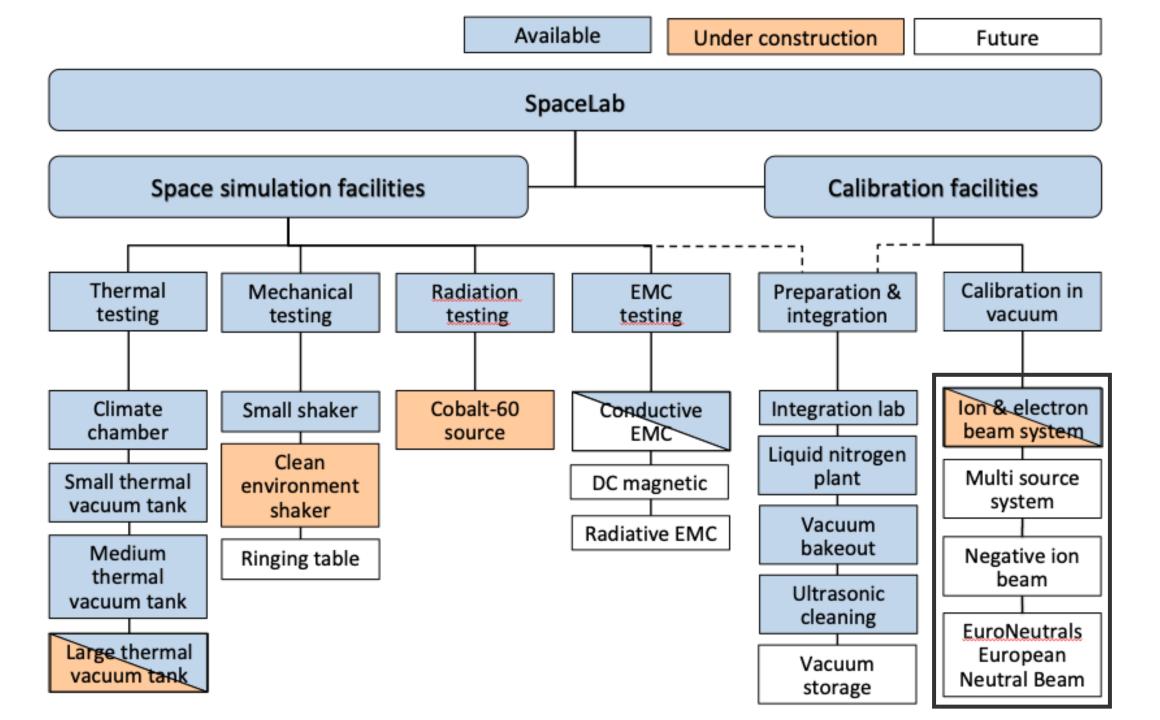


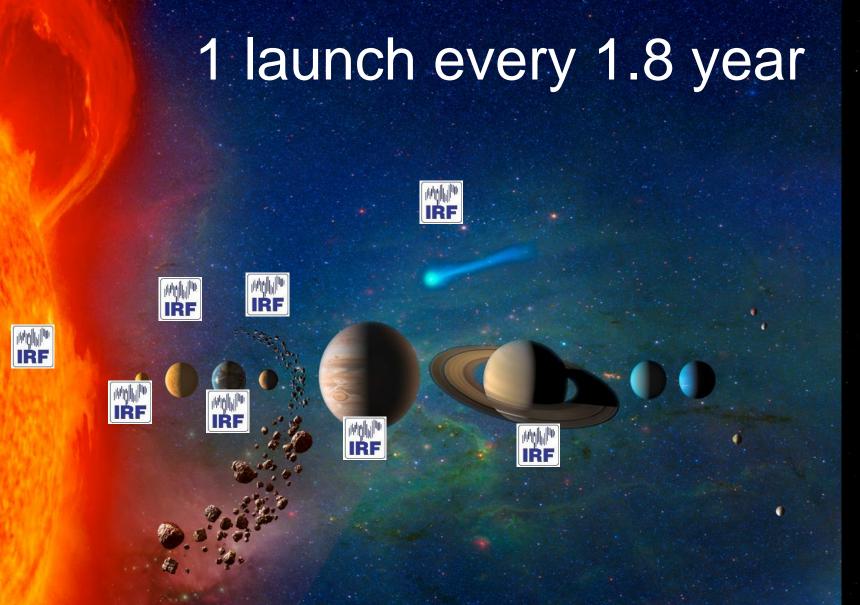




What is SpaceLab?

- A facility for development, testing, and qualification of space systems, subsystems, instruments, and components.
- SpaceLab serves academia and research (for example IRF, LTU, KTH) as well as start-ups and commercial customers.
- Collaboration is foreseen with Esrange in connection to the SmallSat Express project, with users in need of test and qualification infrastructure near the launch site.













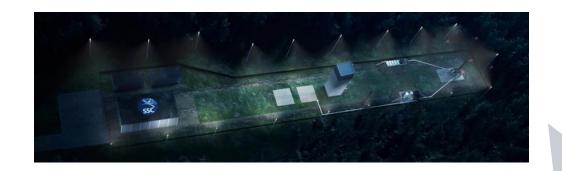
Current missions

Currently 16 instruments on operational missions

- 4x ESA Cluster
- 4x NASA Magnetospheric Multi Scales (MMS)
- 3x ESA Swarm
- 1x ESA Mars Express
- 2x ESA BepiColombo
- 1x CNSA Chang'e 4
- 1x ESA Solar orbiter









Orbit

36km

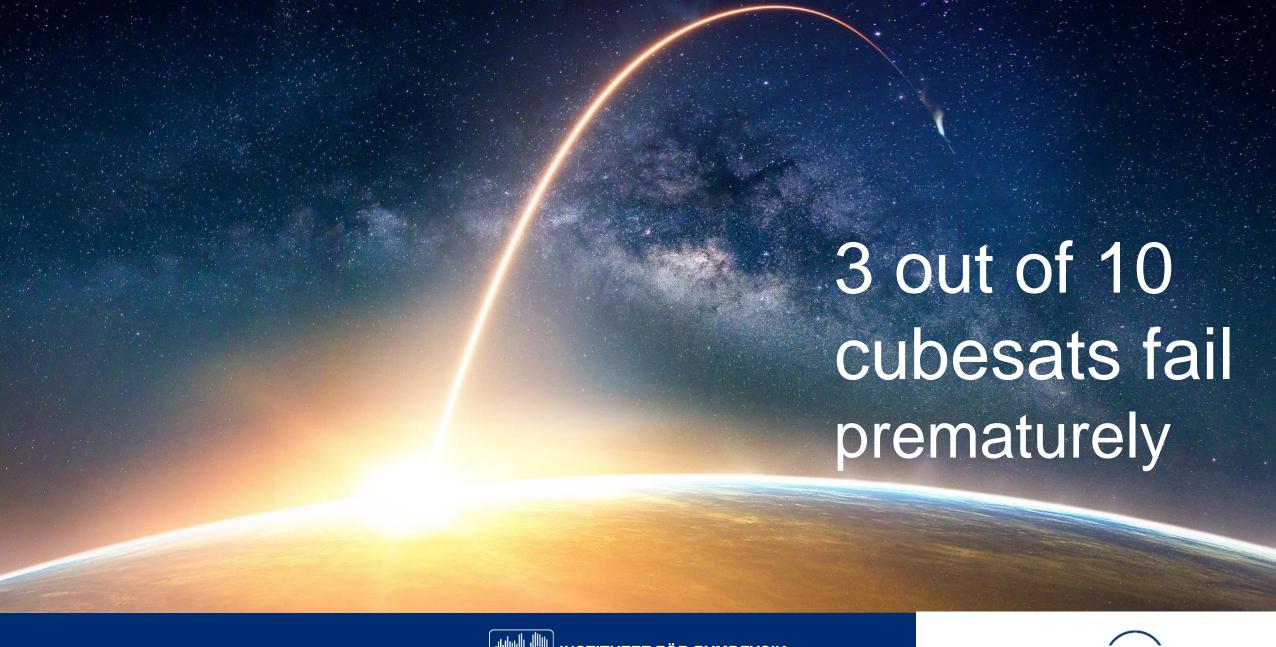


5km

Kiruna Airport



















Facility development

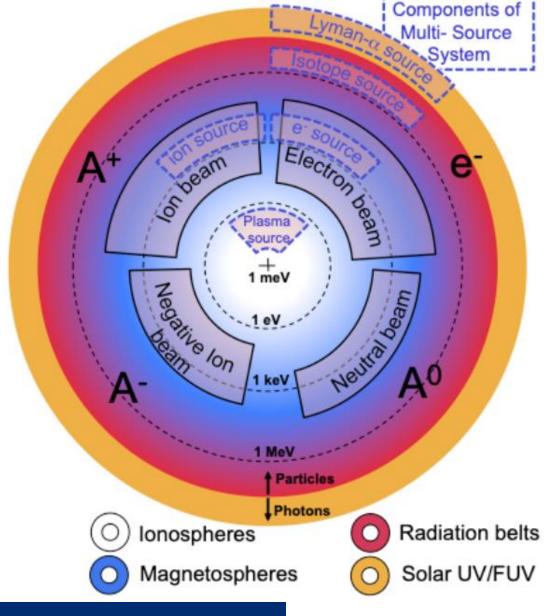






Future facility development:

SpacePlasmaLab









RIT2021



Swedish Research Council





Kempestiftelserna

Stiftelserna J.C. Kempes och Seth M. Kempes minne







TAKE THE STEP OUT INTO SPACE, WITH US!

SPACE ENVIRONMENTAL TESTING











Norrskensprognos!

- We are ready test the IRF Aurora alert system now.
- Sign up to be a beta tester and get aurora alerts by email.
- Sign up sheet at top of the Aula
- Online participants, email yamau@irf.se to sign up

www (www@irf.se) <aurora-alerts@irf.se>

To: aurora-alerts@irf.se Reply-To: www@irf.se

Strong aurora is detected at Kiruna camera

2021-11-06 at 18:32



