

A cosmic background featuring a bright orange-red arc, likely a comet or meteor, streaking across a dark blue starry sky. The Milky Way galaxy is visible in the background. In the foreground, the curved horizon of the Earth is visible, with a bright yellow-orange glow from the sun or moon on the left side.

Welcome to Space Innovation Forum

A composite image of space. The bottom half shows the Earth's horizon with a blue and white atmosphere. The top half is a deep space view showing the Milky Way galaxy, a bright comet streak, and a meteor. The text "The programme" and "www.ritspace.se" is overlaid in the center.

The programme
www.ritspace.se

PROGRAMME DAY 1

DAY 1 – OCTOBER 12 at Scandic Kiruna

15:00 Welcome, Johanna Bergström Roos, Project Manager RIT, LTU Business.

15:20 RIT Project updates and upcoming opportunities

- R&D projects between space industry and academia, Marta-Lena Antti, LTU
- Testbed Space, Olle Persson. LTU
- Building a space innovation system and a space cluster, Joakim Norman, LTU Business

16:50 Short Break (5 minutes)

16:55 Sweden in space, Anna Rathsman, Director General, Swedish National Space Agency

17:25 Exhibition, Showcase and Mingle

18:30 End

19:30 Dinner

PROGRAMME DAY 2

DAY 2 – OCTOBER 13 at Scandic Kiruna and Space Campus

- 09.00 Welcome back! René Laufer, LTU
- 09:10 The commercialization of ESA
Luca Del Monte, Head of Commercialization Department, ESA
- 09:40 EU Cassini Space entrepreneurship initiative
Tomas Jonsson, Cassini team leader, Director General DEFIS, EU
- 10:10 The benefit of space for society and for total defence
Dr/LtCol Ella Carlsson, Chief of Space Capabilities and development, Swedish Air Force
- 10.40 Coffee and networking
- 11:10 Space Capacity Building
Åsa Johansson, Swedish Space Corporation and Jonas Hjelm, LTU Business
- 11:40 Panel: How can we help the space region to develop? And what direction do we want the region to take?
- 12:15 Lunch

PROGRAMME DAY 2

DAY 2 – OCTOBER 13 at Scandic Kiruna and Space Campus

13:00 Workshop: How to leverage our space region

14:45 Conclusion

Axel Steuwer, Director Designate, EISCAT

15:00 Wrap-up and break before site visit to Space Campus

15:20 Bus departs from Scandic Kiruna to Space Campus

16:00 Women in space

Dr/LtCol Ella Carlsson, Chief of Space Capabilities and development, Swedish Air Force
Sandra Nilsson, founder and COO, Arctic Space Technologies

16:45 Guided tour at Space Campus

17:30 End

Bus to new city, old city and train station

Developing a Space Ecosystem

RIT 2021



THE EMERGENCE OF A SPACE REGION



First sounding rocket
1966



First satellite
ground station
1978



Microgravity
rockets
1987



Tele-X ground station
1989



SmallSat Express
20XX



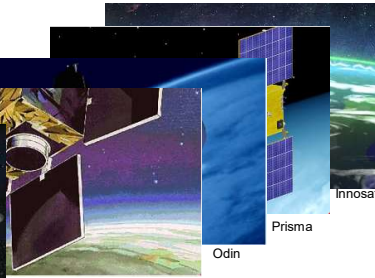
Esrang Space Centre
1966



First balloon launch
1974



SSC's first satellite
1986



Astrid 1 & 2



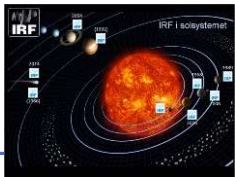
Circumpolar flights
2005



Testbed Esrange
2019



Start of
space
activities
1957



The Institute of Space Physics
1957



EISCAT
1981



Space Campus - Higher Educations
1985
Umeå university
1985
Luleå technical university
1997



Arena Arctica
1985



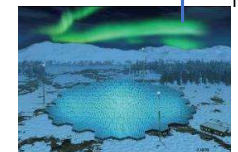
Space high school
2000



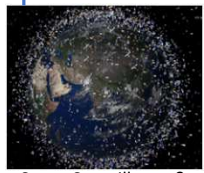
ESA-BIC
2015



SpaceLab 2020

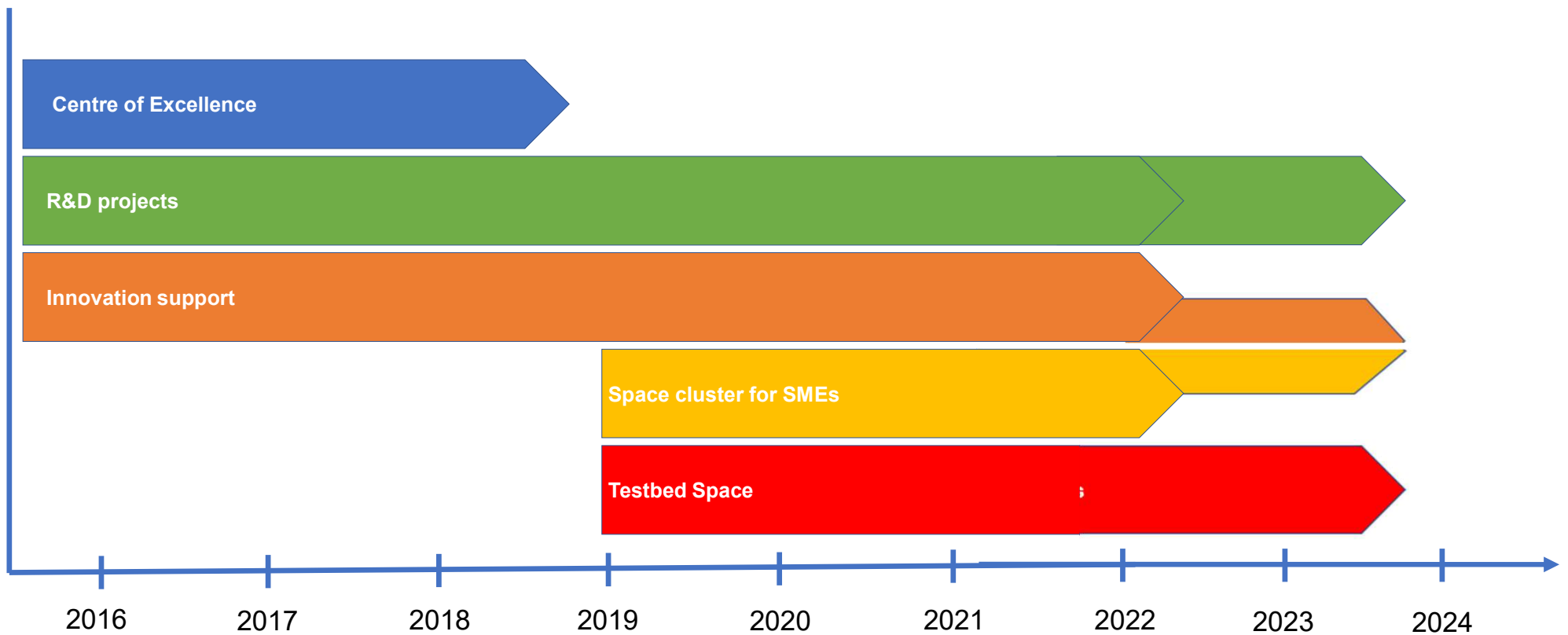


EISCAT 3D 2022



Space Surveillance &
Tracking Services
20XX

5 WORK PACKAGES



TARGET GROUP

FOR THE RIT PROJECTS

- ✓ The regional business in existing space companies
- ✓ Academy in order to build excellence in specific areas that are in demand by the space industry
- ✓ SMEs in other industries that do not deliver to the space industry today but who could and would like to do so



RESEARCH



EDUCATION



STARTUPS

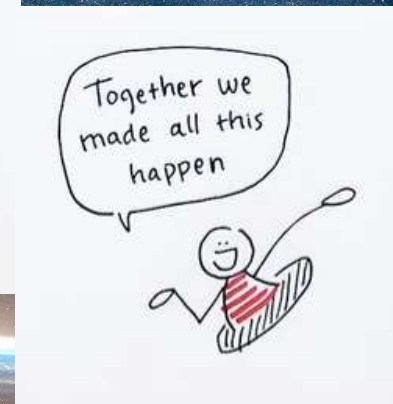


SME:S



CORPORATES

Building a Space Ecosystem



RIT BY NUMBERS (2015 until 2022-01-01)

PLANED GOALS

- ✓ A strengthened ecosystem for the space industry on site
- ✓ A clear support system for innovation
- ✓ Strengthened capital supply in the early innovation phase
- ✓ A Center of Excellence in Space Technology
- ✓ An open arena with test beds at Spacecampus
- ✓ 15 R&D projects between academia / industry
- ✓ 9 PhDs and 6 postdocs for innovation
- ✓ A new space event has been established
 - ✓ 13 "Space Innovation Forum" completed
 - ✓ 200 actors, 1750 participants
- ✓ 35 companies actively involved
- ✓ Two new programs to support SMEs to deliver to space
- ✓ A new program to develop space students into business developers / entrepreneurs
- ✓ 11 regional SME members of ACS
- ✓ 20 students stay in the region through RIT

EXTRA BONUS

- ✓ LTU has become a strong player in regional growth for space
- ✓ 15 new space related companies establishments in the region
- ✓ 37 scientific publications
- ✓ 6 + 6 subjects at LTU interested in space
- ✓ 10 new areas where interdisciplinary collaboration takes place
- ✓ Several new Master Thesis linked to the innovation projects
- ✓ More space companies interested in R&D with LTU
- ✓ More regional SMEs want to enter the space industry
- ✓ A new match-making event Lift-Off (space students and space industry)
- ✓ A new node for Aerospace Cluster Sweden
- ✓ A new node for Big Science Sweden
- ✓ The RIT projects spread knowledge about how space creates benefits on Earth
 - ✓ 96 own articles on the website (which are distributed to the media, social media, etc.)
 - ✓ 98 presentations at various events/conferences etc. have been completed
 - ✓ 32 study visits have been received
 - ✓ A relatively large media feature