





08.30 Introduction and networking, Big Science Sweden.

08.50 EKN: Greger Leijonhufvud and Anna Långström share information about financial and risk management.

09.10 Omnisys Instruments: Martin Kores talks about the company's experience of conducting business in Big Science.

09.30 Fagerström Industrikonsult: Carl Johan Fagerström talks about the company's experience of conducting business with ESO.

09.50 Q&A

Welcome everybody!







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Big Science Sweden - Mission

- Support Swedish industry, institutes and universities to contribute to building up excellent big science facilities.
- Focus in high-tech contributions that drive research, innovation, international collaboration and generate good business for Sweden.
- Create value for Swedish industry and society by transferring new knowledge,
 technology and competence to diverse areas of application.









Research Facilities - with Swedish fundings

MAX IV ESS

CERN XFEL DESY

EISCAT ILL FAIR

ITER DESY ESRF

ESO SKA

A range of competences needed

big science sweden

- Accelerator technology
- Construction and CivilEngineering
- Coating, Joining and Casting
- Electronics, RF and Microwave Technologies
- Magnets
- Materials
- Mechanical Engineering
- Optics, Sensors and Diagnostics
- Power Supply
- 3D printing
- Big Data
- AI/ML
- Data handling & Visualization
- Remote Handling

- Cryogenics
- Robotics
- Software and ControlTechnologies
- Utilities and Instrumentation
- Vacuum and LowTemperature Technologies

Others



Big Science Sweden







GÖTEBORG



7. Particle and photon detectors

















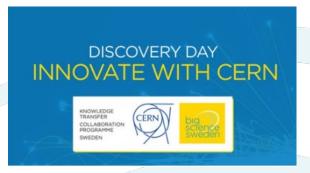










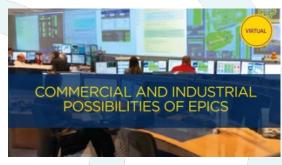


















REMOTE

MEETING

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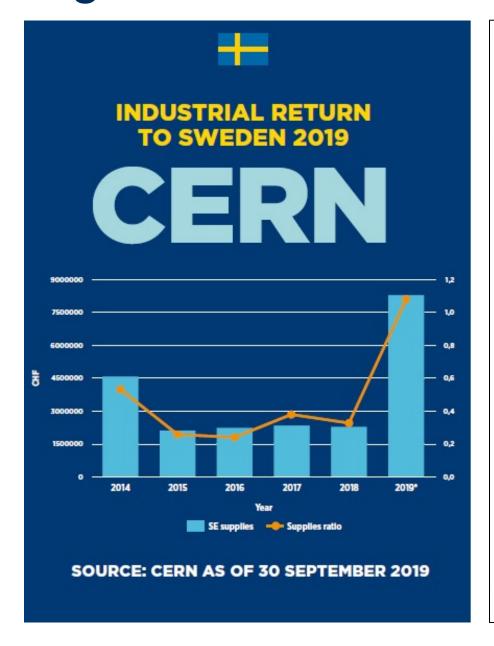




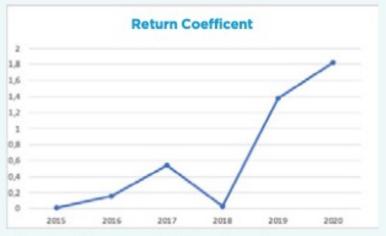




Big Science Sweden results 2018 - 2020







The Swedish Return Coefficient based on commitments has steadily increased at ESO. However, during the years of large investments around 2016, Sweden was not in a position to participate. The amount committed to Swedish companies 2020 was EUR 2701 thousand, and the return coefficient based on commitments was 1.82 (1 = return is equal to investment).

SWEDISH BIG SCIENCE ORDERS

250 million SEK

Amount of orders over the first 3 year program periode. During 2020 Swedish companies won orders for around 50 million SEK. Examples of companies: ABB, AQ Elautomatik, Examec, Carlsson & Möller, GoVirtual, Luma Metall, Omnisys, Qamcom, Qtech Group, Sandvik, and Scanditronix.

Swedish potential 1 000 MSEK/y

... the main value is in the science, technology and long term competitiveness of Sweden





AIMday Big Science Technology 2021

Date and Time

Wednesday 13th of October 2021 9.00-17.00





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Extra slides

Directors



Anna Hall **Director Big Science Sweden** Industrial Liaison Officer (ILO): CERN, ESS, MAX IV, FAIR Purchasing advisor: ESRF, ILL Contact point: ISIS, DESY, XFEL



Patrik Carlsson Co-Director Big Science Sweden Industrial Liaison Officer (ILO): ITER, ESO, SKA

Göteborg



Sven-Christian Ebenhag Business Development & Project Management



Håkan Nilsson Business Development & Project Management



Julia Hellström **Business Development &** Project Management FÖRÄLDRARLEDIG



Carin Eklöf-Österberg Business Development & Project Management

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Kiruna/Luleå



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Ekaterina Osipova **Business Development & Project** Management Research Advisor



Lars-Åke Isaksson Business Development & Project Management

Lund



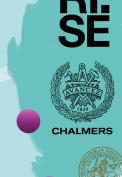
Frida Tibblin Citron Business Development & Project Management



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Mike Olsson Business Development & Business Development & Project Management



LUNDS UNIVERSITET

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