

QUALITY MANAGEMENT IN BIG SCIENCE

BIG SCIENCE MORNING

Agenda for the day

- **08.00 Introduction and networking Big Science Sweden**, Anna Hall, Director
- **08.20 Quality management at research facilities and in particular at ESS**
Mattias Skafar, Head of Quality Division at ESS
- **08.40 Quality management at ITER**
Stefan Wikman, Head of Materials & Manufacturing Technologies & Processes Group at F4E
- **09.00 Short Break**
- **09.05 Experience in Quality management from working with F4E**
Richard Becker, Project controller, Studsvik
- **09.25 How to describe and present your quality system - experience and lessons learnt**
Håkan Nilsson, Business Development, Big Science Sweden and Senior Advisor, RISE
- **09.45 Q&A**

Welcome everybody!

big
science
sweden



EUROPEAN
SPALLATION
SOURCE



FUSION
FOR
ENERGY

Studsvik

X **Exir**
Broadcasting

YOUR PARTNER FOR PASSIVE RF COMPONENTS

SKANSKA

RFR SOLUTIONS
Stainless Steel Excellence



NORDISK INDUSTRI
OPTIMERING



BitSim

FAIR



AIT



VACREE
CRYOGENIC ENGINEERING SOLUTION

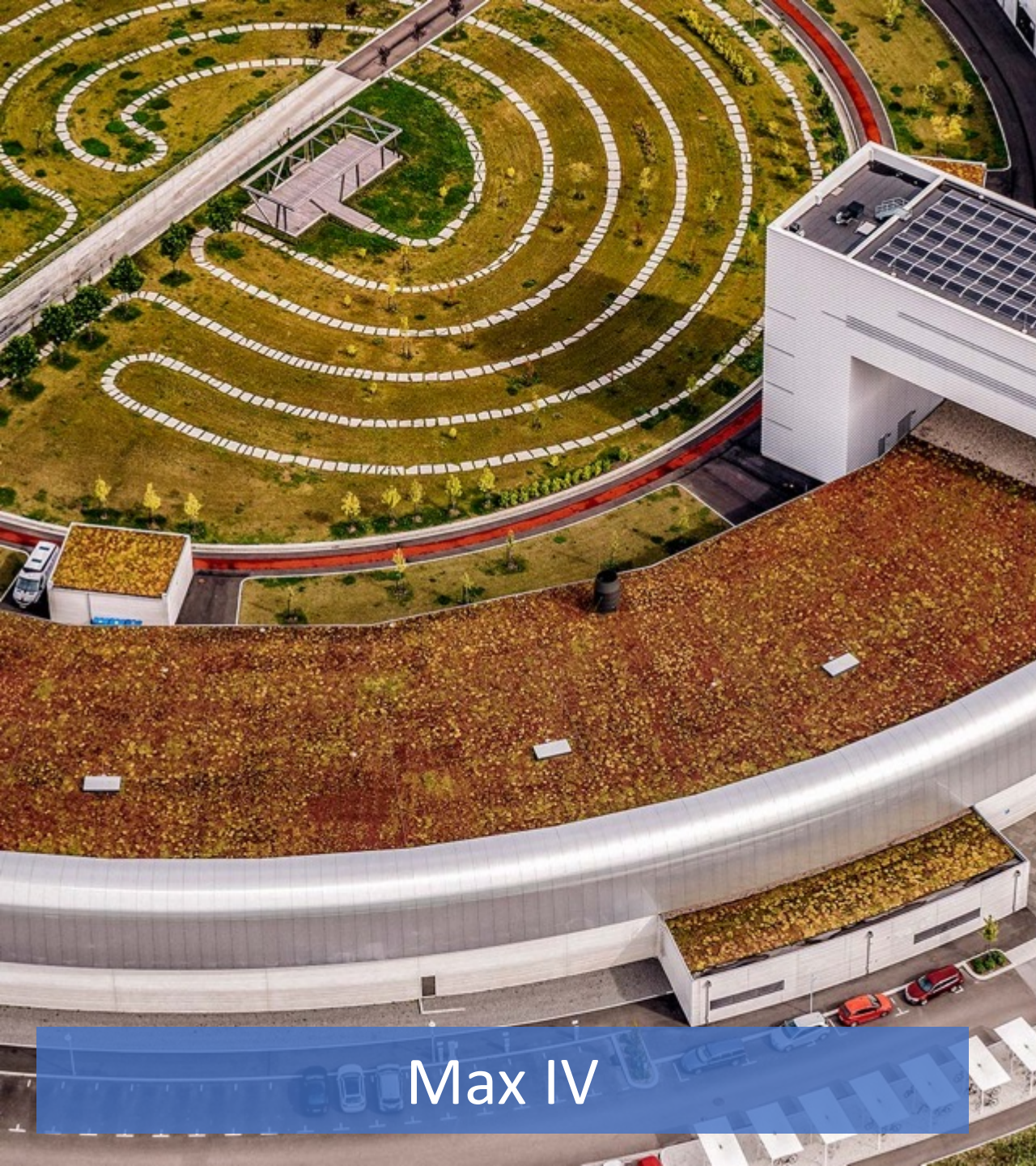
ENOC



SCANDITRONIX



DETAILS MAKE THE DIFFERENCE



Max IV



ESS

Funded by:



Big Science Sweden is led by a consortium:



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.

Particle Accelerators



CERN, ESS, MAX IV, ESRF, ILL, ISIS, XFEL, DESY, FAIR

Fusion

ITER
DONES



Space

ESO, SKA, EISCAT



Research Facilities - with Swedish fundings

MAX IV

CERN
EISCAT
ITER
ESO

ESS

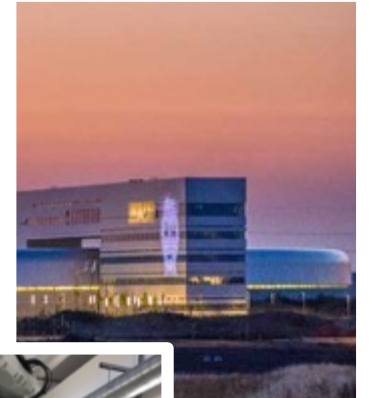
XFEL
ILL
DESY
SKA

DESY
FAIR
ESRF



A range of competences needed

- Accelerator technology
- Construction and Civil Engineering
- 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 Control Technologies
- Utilities and Instrumentation
- Vacuum and Low Temperature Technologies
- Others



Big Science Sweden

big science

big science sweden

Directors



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



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

Göteborg



Sven-Christen Ebenhag
Business Development &
Project Management



Håkan Nilsson
Business Development &
Project Management

Föräldrarledig

Lund



Frida Tibblin Citron
Business Development &
Project Management



Lennart Gisselsson
Business Development &
Project Management

Mike Olsson



Cajsa Fredlund
Communication Manager



Ingela Bogen
Communication Officer



Kiruna/Luleå



Adam Wikström
Business Development &
Project Management



Ekaterina Oisova
Business Development & Project
Management
Research Advisor



Lars Åke Isaksson
Business Development &
Project Management

Uppsala



Fredrik Engelmarm
Business Development &
Project Management
Industrial Liaison Officer
(ILO): CERN



Ernesto Gutiérrez
Business Development &
Project Management

big science sweden

3 nationella
teknikgrupper
Akademiska gruppen
Knowledge transfer
Task forces

Operativt arbete i tre nationella Teknikgrupper



Samordnad Strategisk Teknikgruppsledning (Tisdagsmöte)

1. Teknikgrupp 1

TEAM: Håkan Nilsson, Frida Tibblin Citron

1. Civil engineering, building and technical services
2. Electrical engineering and magnets
9. Gases, chemicals, waste collection and radiation equipment
10. Health, safety and environment

2. Teknikgrupp 2

TEAM: Sven-Christen Ebenhag, Mike Olsson, XXXX

3. Electronics and radio frequency
4. Information technology
8. Optics and photonics

3. Teknikgrupp 3

TEAM: Fredrik Engelmarm, Adam Wikström, Julia Hellström, Mike Olsson

5. Mechanical Engineering and raw materials
6. Vacuum and low temperature
7. Particle and photon detectors

EVERY WEDNESDAY MORNING
10-10.30 • JOIN US

BUSINESS
CORNER

The Swedish Guide
Big Science Suppliers and Partners • 2021

FINANCIAL RISK
MANAGEMENT
IN BIG SCIENCE
BUSINESS

DISCOVERY DAY
INNOVATE WITH CERN

FAIR AT
BIG SCIENCE
MORNING

REMOTE
ITER
BUSINESS
MEETING

STEP BY STEP
BIG SCIENCE
PROCUREMENTS

BECOME A
CERN
SUPPLIER

COMMERCIAL AND INDUSTRIAL
POSSIBILITIES OF EPIC

BIG SCIENCE
SWEDEN
CONFERENCE
2020

ACADEMIC
INFRASTRUCTURES
FOR INDUSTRIAL
DEVELOPMENT

FOCUS TECHNICAL
WORKSHOP
CARBON
FIBRE

FOCUS TECHNICAL
WORKSHOP
REMOTE HANDLING

DATA
HANDLING
BIG SCIENCE
MORNING

BIG SCIENCE
@ LU

BIG SCIENCE
@ RISE

BIG SCIENCE
@ CHALMERS

BIG SCIENCE
@ LTU

PhotonicSweden
Welcome to an Optopub Webinar!
Thursday, 25th March 2021, 16.00 - 17.00 (CET)

Participate in AIMday 13 October

The banner for 'AIMDAY Big Science Technology 2021' is a horizontal rectangle. The left half has a dark blue background with a bright blue and purple light streak curving across it. The text 'AIMDAY BIG SCIENCE TECHNOLOGY 2021' is written in large, bold, white capital letters. The right half of the banner has a red background. In the top right corner of the red section is a yellow square containing the 'big science sweden' logo. Below the yellow square, the word 'AIM' is written in large, bold, white capital letters, with 'DAY' in smaller, bold, white capital letters to its right.

**AIMDAY
BIG SCIENCE
TECHNOLOGY
2021**



AIM DAY

AIMday Big Science Technology 2021

Date and Time

Wednesday 13th of October 2021
9.00-17.00

Agenda for the day

- **08.00 Introduction and networking Big Science Sweden**, Anna Hall, Director
- **08.20 Quality management at research facilities and in particular at ESS**
Mattias Skafar, Head of Quality Division at ESS
- **08.40 Quality management at ITER**
Stefan Wikman, Head of Materials & Manufacturing Technologies & Processes Group at F4E
- **09.00 Short Break**
- **09.05 Experience in Quality management from working with F4E**
Richard Becker, Project controller, Studsvik
- **09.25 How to describe and present your quality system - experience and lessons learnt**
Håkan Nilsson, Business Development, Big Science Sweden and Senior Advisor, RISE
- **09.45 Q&A**