THE SWEDISH RESEARCH COUNCIL

Vetenskapsrådet

Information seminar on Swedish involvement in developing the future instrument suite at the European Spallation Source (ESS)

Program

13:00 Welcome (Vetenskapsrådet)

13:15 Presentations from ESS

- Andreas Schreyer, Director for Science, ESS
  Overview of in-kind/collaborative possibilities at the ESS Neutron Scattering Systems
- Ken Andersen, Head of the Neutron Instruments Division, ESS
  Possibilities in instruments

13:45 Discussion and Q&A

14:15 Coffee break

14:30 Presentations from ESS

- Arno Hiess, Head of the Scientific Activities Division, ESS
  Possibilities in sample environment and labs
- Thomas Holm Rod, Group leader for Data analysis, Data Management and Software Centre, ESS
  Possibilities at DMSC

15:00 Discussion and Q&A

15:45 Summary and closure

ESS --- Up and running soon

From idea 1993 to …
… first users in 2023

SE & DK host countries

From initial construction
to transition state from 2019

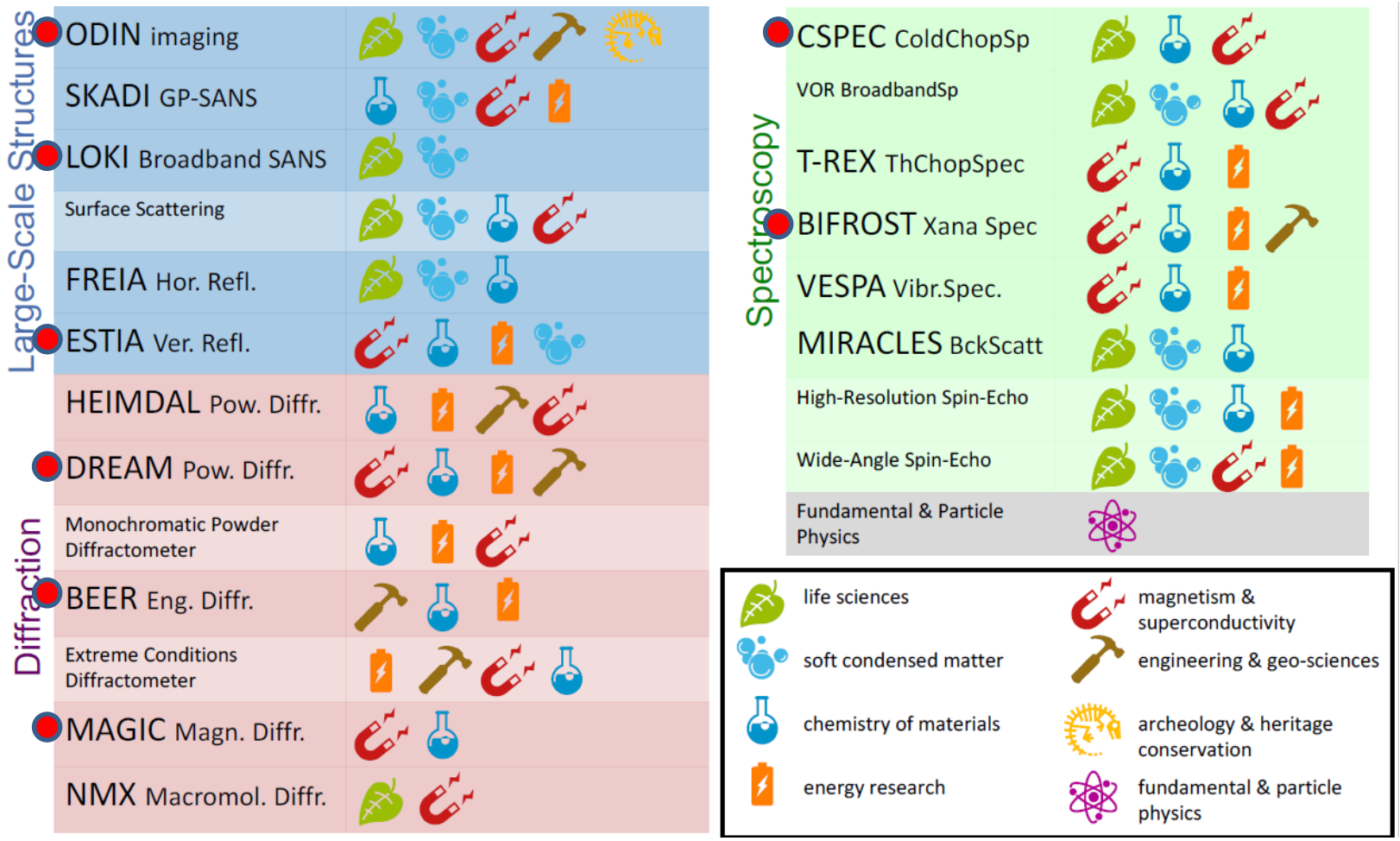
VR activities

- Neutron calls continue – 2018 (previously 2014 & 2016)
- Röntgen-Ångström call 2017 under review
- RACIRI summer school, Ronneby & Lund, Aug 2017
- Nordic summer school, Tartu, Sep 2017
- NordForsk post-doc call, 4 to be funded, of which 2 Swedish
- SNSS support
- SWEbeams, with Vinnova
- Big Science Sweden, with Vinnova
- Workshops, hearings etc.

Other activities

- SSF supports SwedNESS, PhD training program
- Interreg supports, ESS & MAX IV Cross Border Science & Society

15 instruments decided – 8 in the 1st wave



Neutron-hungry beamlines later

When going from construction to operation

Construction phase

- -2019 (ramped down to end 2025)
- SE is committed to *in cash* funding, 35%
- 15 beamlines/instruments are included & decided by the ESS Council
- No Swedish beamline management

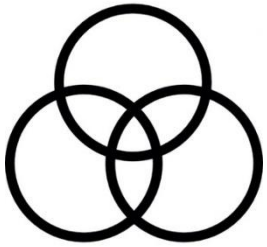
Transition to operations phase

- 2019-2025
- SE contribution will be ramped down to ≈10% (negotiations)
- It is likely that *in kind* possibilities will be opened
- Beamlines 16-22 will be decided (N.B. 16-19 early!)

Possibilities

- SE community & industry sufficient dedicated for an SE beamline?
- SE operations budget can be used for *in kind* support to an SE beamline?

A tri-lateral challenge:
SE scientific community ↔ ESS ↔ SE Government



It all starts with a strong *Science Case* !!!

Program

13:00 Welcome (Vetenskapsrådet)

13:15 Presentations from ESS

- Andreas Schreyer, Director for Science, ESS
  Overview of in-kind/collaborative possibilities at the ESS Neutron Scattering Systems
- Ken Andersen, Head of the Neutron Instruments Division, ESS
  Possibilities in instruments

13:45 Discussion and Q&A

14:15 Coffee break

14:30 Presentations from ESS

- Arno Hiess, Head of the Scientific Activities Division, ESS
  Possibilities in sample environment and labs
- Thomas Holm Rod, Group leader for Data analysis, Data Management and Software Centre, ESS
  Possibilities at DMSC

15:00 Discussion and Q&A

15:45 Summary and closure

… a unique opportunity offered by RESS to the Swedish future user community !