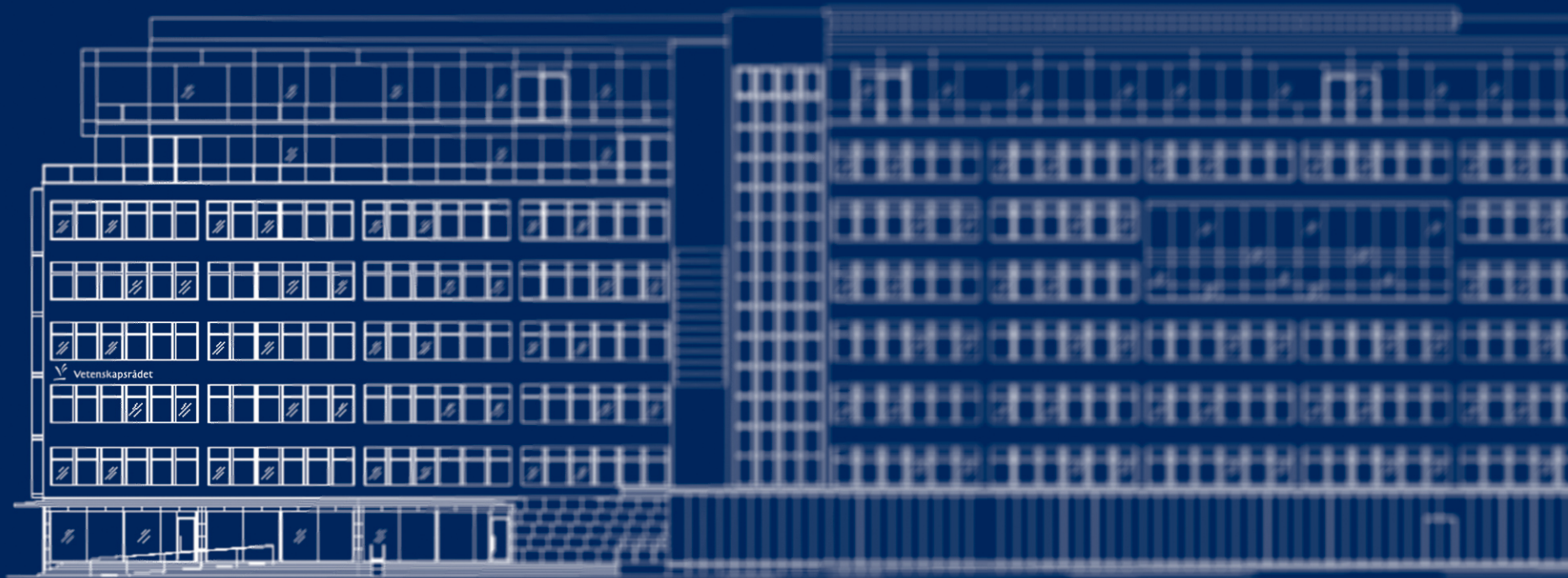


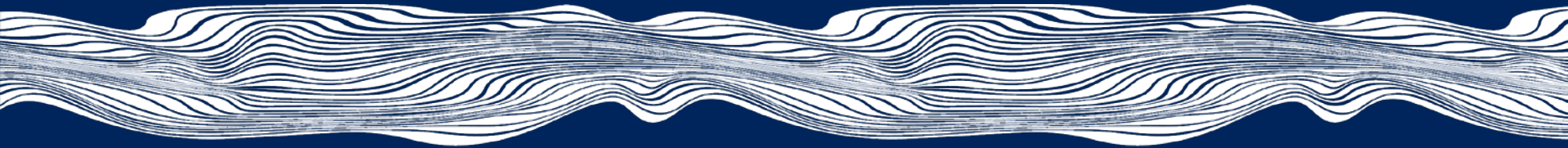
FAIR



Vetenskapsrådet



and the **SWEDISH RESEARCH COUNCIL**





Outline

- The Swedish Research Council
- The Council for Research Infrastructures
- The Research Council and FAIR
- Swedish Representation at FAIR
- Current Topics at FAIR
- Resources Review Boards
- Swedish In-Kind Contributions

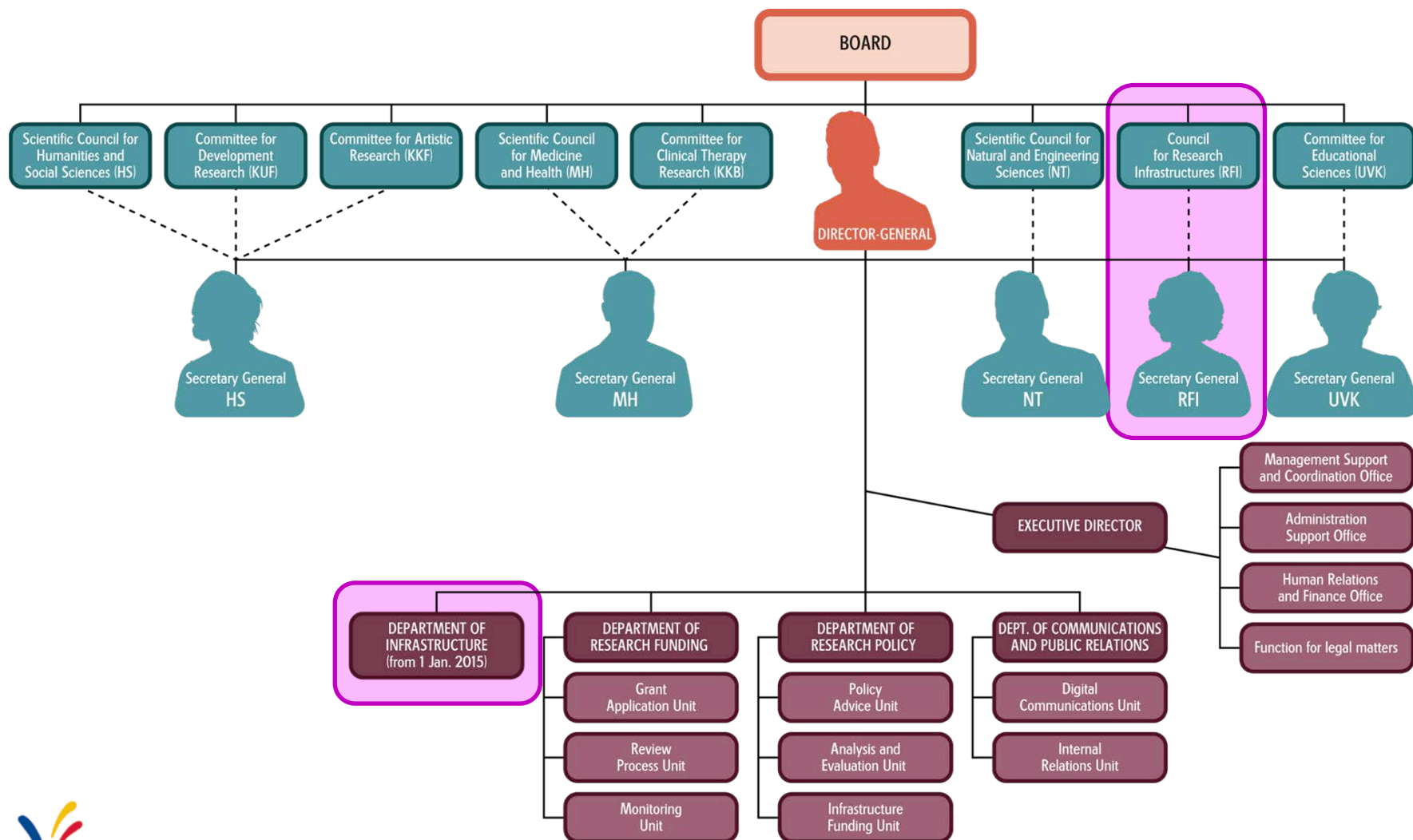


The Swedish Research Council (VR)

- Provides funding for research of the highest scientific quality
- Overall responsibility for national research infrastructure
- Promotes international collaborative research
- Performs analyses and advises the government
- Coordinates and develops communication about the significance, results and conditions of research
- 5.7 Billion SEK in research funding in 2013

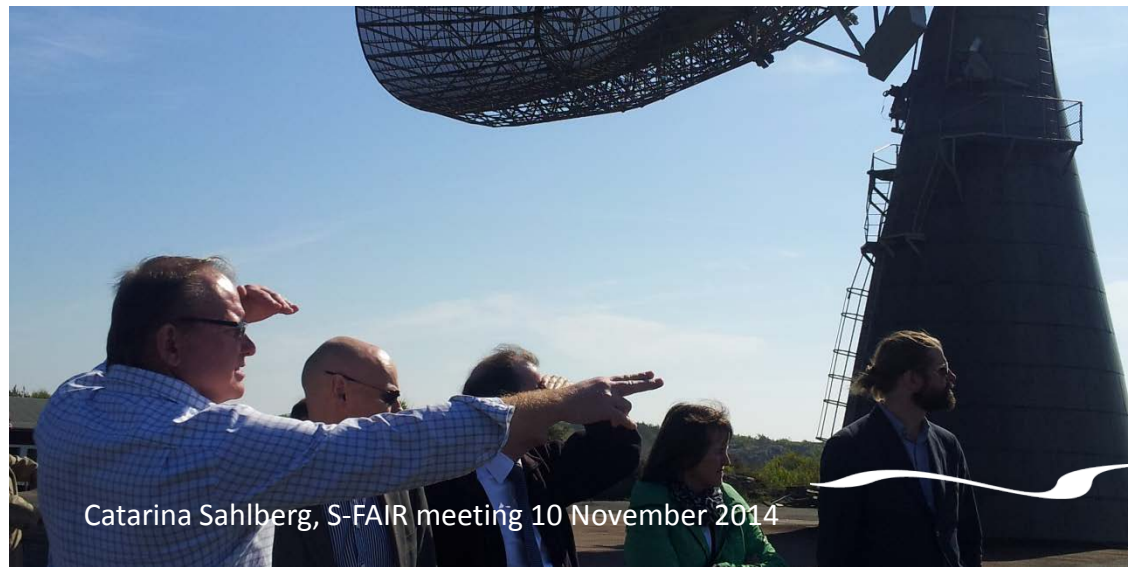
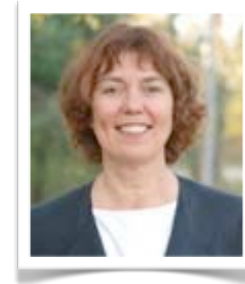


VR Organisation



Council for Research Infrastructures (RFI)

- Established in 2005
- Current Secretary General: Juni Palmgren
- Currently chaired by Kerstin Eliasson. 12 other members:
 - 9 researchers, appointed for 3 years
 - 1 representative each from Forte, Formas and Vinnova
- 5 advisory panels:
 - The panel “RFI-1: Astronomy and Subatomic Physics” handles issues relating to FAIR



Catarina Sahlberg, S-FAIR meeting 10 November 2014



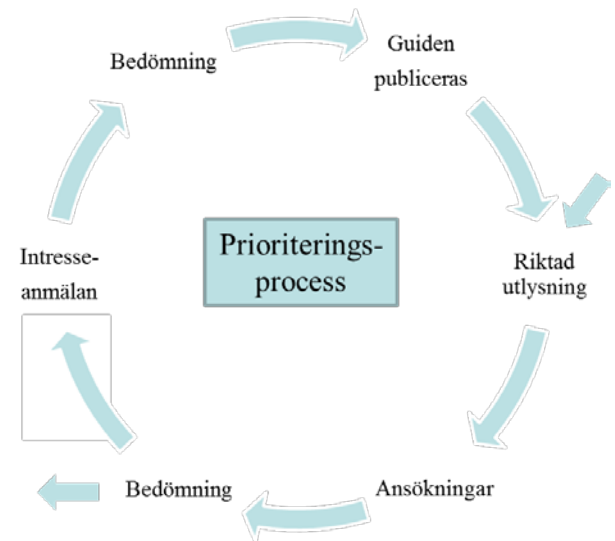
Research Infrastructures

- Provides funding for, monitors and evaluates national research infrastructures
- Handles memberships in international infrastructures and organisations
- Develops strategies and plans
 - Research Council's Guide to Research Infrastructure: Guide for Sweden's long-term needs of national and international research infrastructure
 - New Guide in 2015



Infrastructures of National Interest

- New model for handling *national* research infrastructures
 - All major universities have been continuously consulted
 - Proposal to be decided at the end of 2014
 - Transition phase 2015-2016, new model from 2017
- Implications, in broad terms:
 - No open calls, aimed calls every other year
 - Strategy Guide updated every other year
 - 2-year review cycle
 - 8-year funding period
 - Increased support from host institute, ~50%
 - National coordination necessary
- Work-in-progress on new model for *international* infrastructures





VR@FAIR



VR's involvement in FAIR

- FAIR is governed by a convention
 - 9 member states: Germany, Finland, France, India, Poland, Romania, Russia, Slovenia and Sweden
 - 1 associated member: UK
 - The Swedish government signed the convention in 2010
 - Stable, but static, membership
- Organised as a German limited company (GmbH)
- VR is shareholder for Sweden and Finland
 - Owns 1.47% of the shares (Sweden 2/3, Finland 1/3)
 - Swedish-Finnish participation through the consortium FAIR-Nord



Swedish representation at FAIR

- The Director General of VR appoints the Swedish representatives to the following FAIR bodies:
 - Council: *Thomas Nilsson*
 - Administrative and Financial Committee (AFC): *Catarina Sahlberg*
 - In-Kind Review Board (IKRB): *Håkan Danared*
 - Resources Review Boards (RRBs): *Tord Johansson, Dirk Rudolph, Anders Källberg, Catarina Sahlberg*
- Other bodies (eg SC, ECE, MAC) appointed by Council



Merger of FAIR and GSI

- Proposal to merge FAIR with the host institute GSI 2015
 - Both German limited companies (GmbH)
- Hopefully facilitates the everyday running of the facility
- Not straightforward process:
 - The Convention must not change
 - Complicated internal process in many member states
 - Unsolved issues, eg membership in the Helmholtz Association
- Merger Working Group of Council looking into all the issues



Other Current Topics

- Joint management of FAIR and GSI
- Operation cost:
 - Level and distribution of operation costs not in Convention
 - Working group of AFC (led by Örjan Skeppstedt) 2012-2014
 - Model for operation costs from 2020
- Civil construction:
 - Funding gap on the order of 300 M€(in 2014 prices)
 - Due to planners and changed requirements
 - Additional funds or possible de-scoping?
 - Delays likely



Progress

- Accelerators (as of mid-2014):
 - 287.5 M€ assigned (of 386 M€), 47 M€ available, 51.5 M€ EoI
- Experiments (as of mid-2014):
 - 61 of 95 TDRs approved, submitted or announced for 2014
- Timeline MSV:
 - 2018: Part of civil construction finished
 - 2019: Start installation of accelerator and detector components
 - 2020: Start providing part of the facility with beam





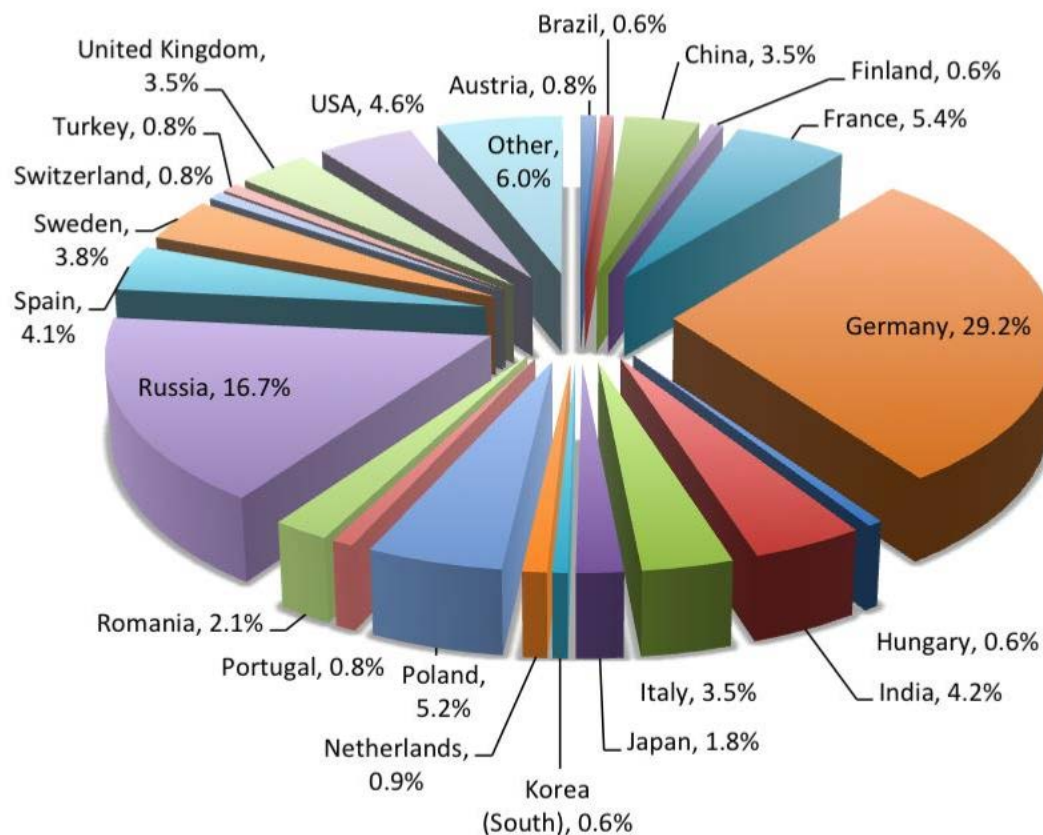
Resources Review Boards

- Established in late 2012, based on the RRBs at CERN:
 - Forum for funding for experiments
 - One Board for each of the scientific pillars
 - One scientific delegate and one administrative per country
- Delegates:
 - APPA: Anders Källberg
 - NUSTAR: Dirk Rudolph
 - PANDA: Tord Johansson
 - Administration: Catarina Sahlberg



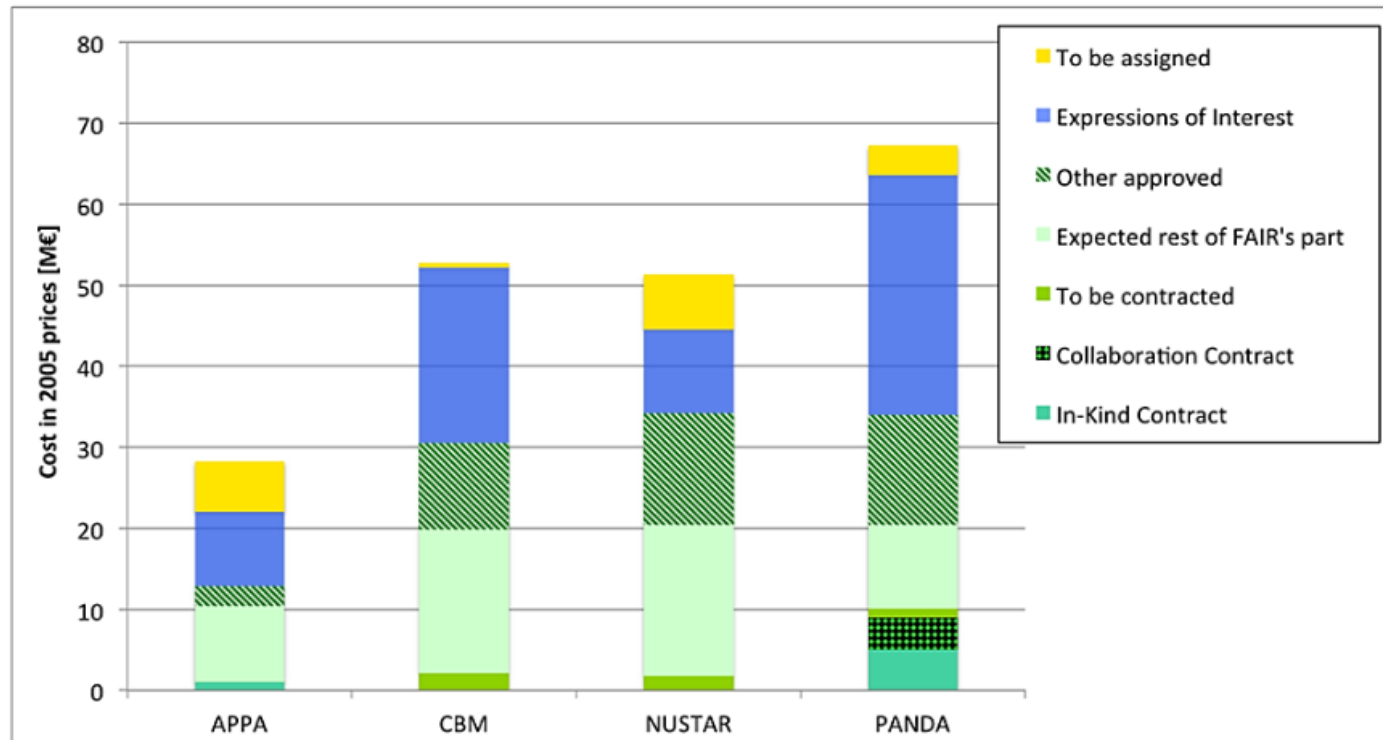
Resources Review Boards

- Representatives from many participating countries:
 - Austria, Czech Republic, Finland, France, Germany, Hungary, India, Italy, Poland, Romania, Russia, Slovenia, South Korea, Sweden, UK



Resources Review Boards

- Funding for construction and operation of experiments



- Negotiations for construction MoUs in 2015



Swedish In-kind Contributions

- Sweden will contribute 6.6 M€ to FAIR experiments (2005 prices)
 - Half of this will be counted towards the Swedish contribution to the construction
- Already funded by VR:
 - APPA/SPARC, CRYRING: 1 M€ as in-kind to experiments (+ 1 M€ as accelerator)
 - NUSTAR:
 - R3B, CALIFA barrel: 400 k€ as in-kind
 - HISPEC/DESPEC, LYCCA: 150 k€ as in-kind
 - PANDA, Calorimeter, PWO crystals: 1 M€ as in-kind



Swedish In-kind Contributions

- Currently reviewed for funding:
 - APPA/SPARC, Common projects: expected 250 k€in-kind
 - NUSTAR:
 - R3B, CALIFA forward: expected 250 k€in-kind
 - HISPEC/DESPEC, DEGAS: expected 150 k€in-kind
 - HISPEC/DESPEC, NEDA: expected 30 k€in-kind
 - Common projects: expected 345 k€in-kind
 - PANDA:
 - Front end electronics: expected 290 k€in-kind
 - DAQ, computing: expected 185 k€in-kind
- Decision on funding 12-13 November





Outlook

- VR intends to:
 - Continue the excellent working relationship with S-FAIR
 - Continue to see to Sweden's interests in the governing bodies of FAIR
 - In particular, see to Sweden's interests in the Merger with GSI – politically, financially and scientifically
- VR would like to see S-FAIR:
 - Realise the in-kind contributions
 - Continue to keep us informed



A photograph of a grassy area with several tall flagpoles. Each pole holds a different flag, including the European Union flag, the Swedish flag, and various national flags. In the background, there is a modern, multi-story building with a glass facade. The sky is blue with some clouds, and there are trees with autumn-colored leaves around the building.

Thank you for listening!

