RFI/VR and CERN
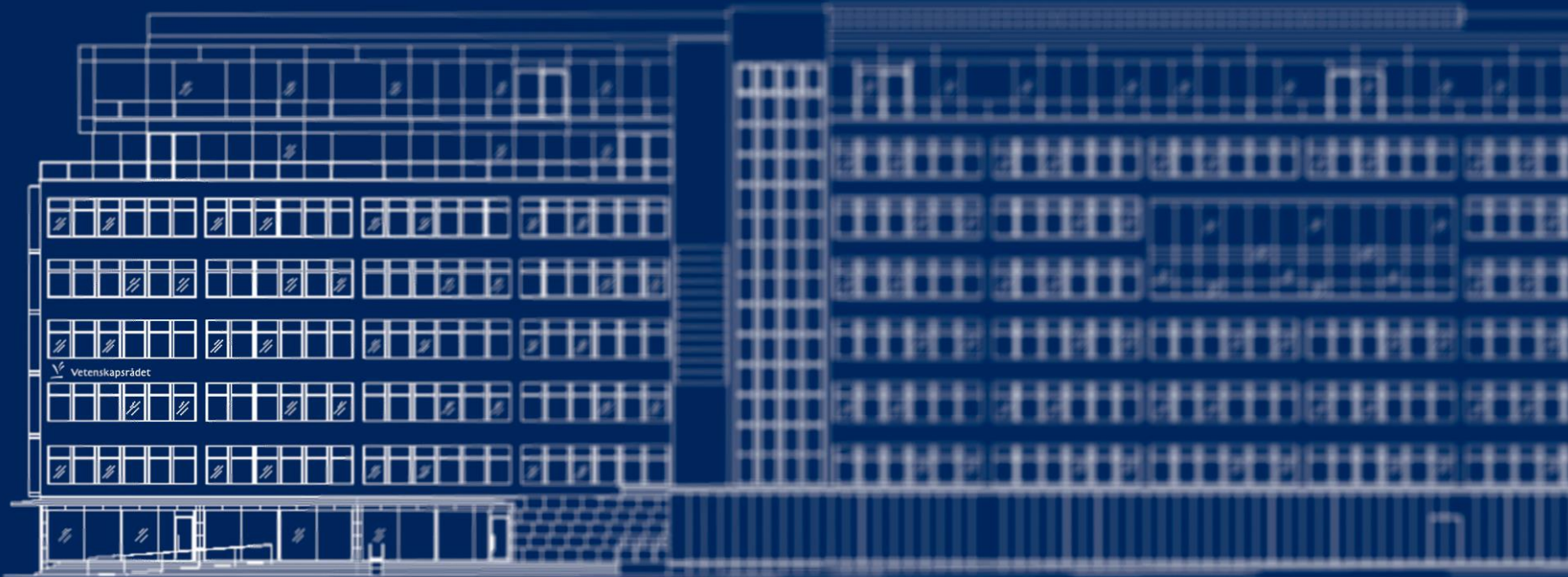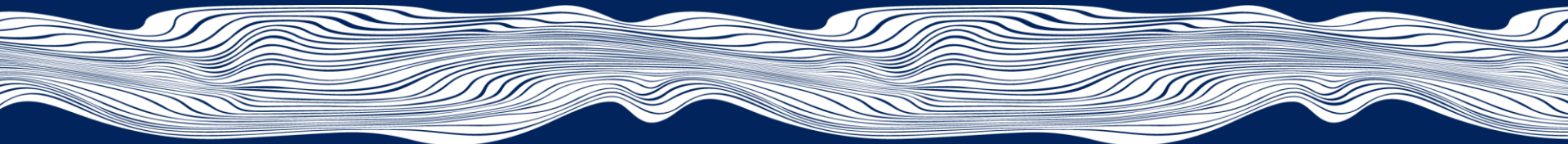
Per Karlsson
Swedish Research Council (VR)

Outline

- VR/RFI – general info

- Funding process infrastructure grant
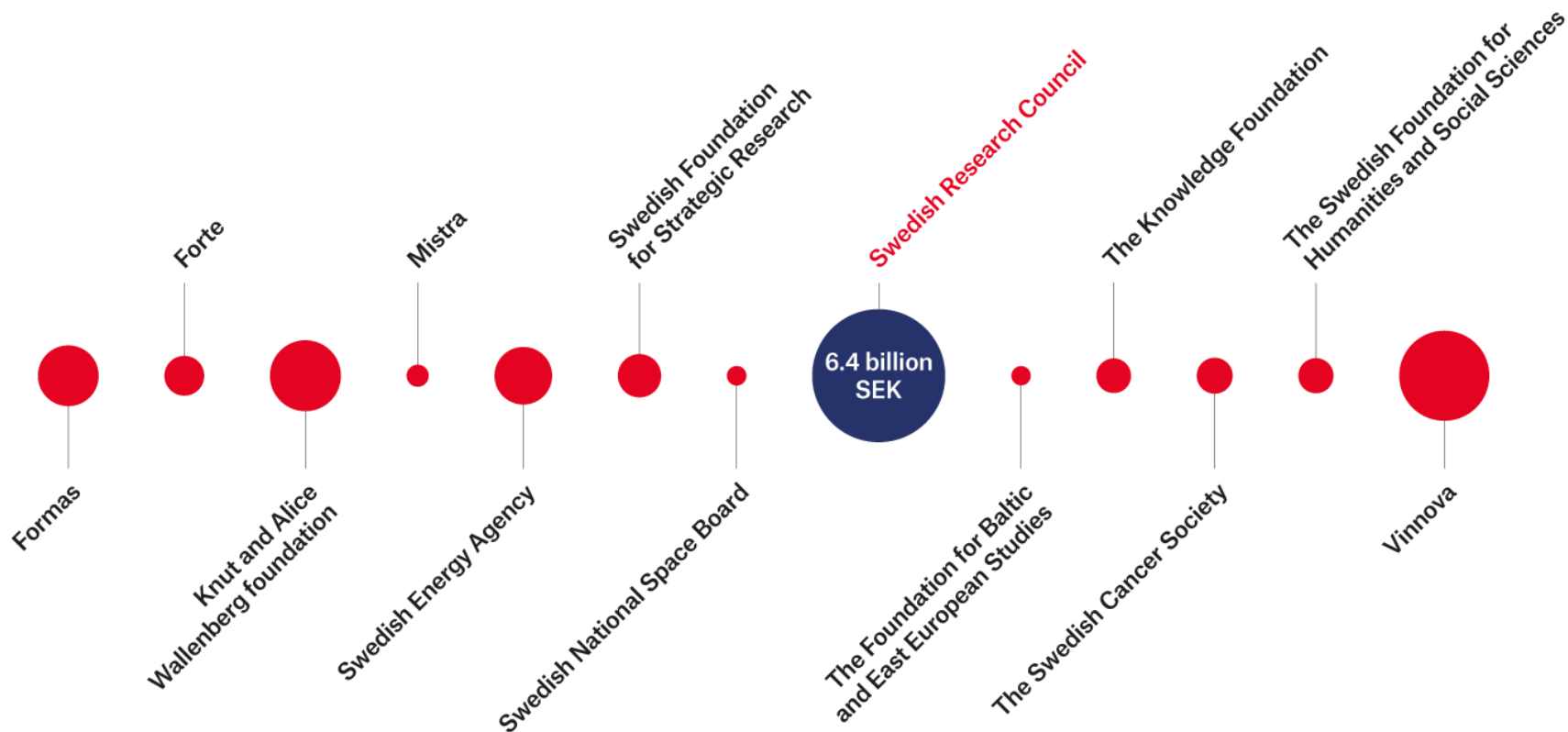
- VR and CERN

VR Overview

- Swedish Research Council (VR)

- Provides funding for research of the highest scientific quality

- Overall responsibility for research infrastructures

- Promotes international collaborative research

- Performs analyses and advises the government

- Coordinates and develops communication about the significance, results and conditions of research

Vetenskapsrådet

Distributed research grants 2016
Selection of Swedish research funding organisations

Formas

Forte

Knut and Alice Wallenberg foundation

Mistra

Swedish Energy Agency

Swedish Foundation for Strategic Research

Swedish National Space Board

Swedish Research Council

6.4 billion SEK

The Foundation for Baltic and East European Studies

The Knowledge Foundation

The Swedish Cancer Society

The Swedish Foundation for Humanities and Social Sciences

Vinnova

Source: Each organisation's annual report 2016

Distribution of forms of grants 2017

The Swedish Research Council finances just over a tenth of the research at higher education institutes.

- Distributed research funding: 6 467 million SEK

Non-targeted research funding 63

Operational grant funding 88

Career support funding 636

Research environment and Research collaboration funding 947

Research project funding 2,796

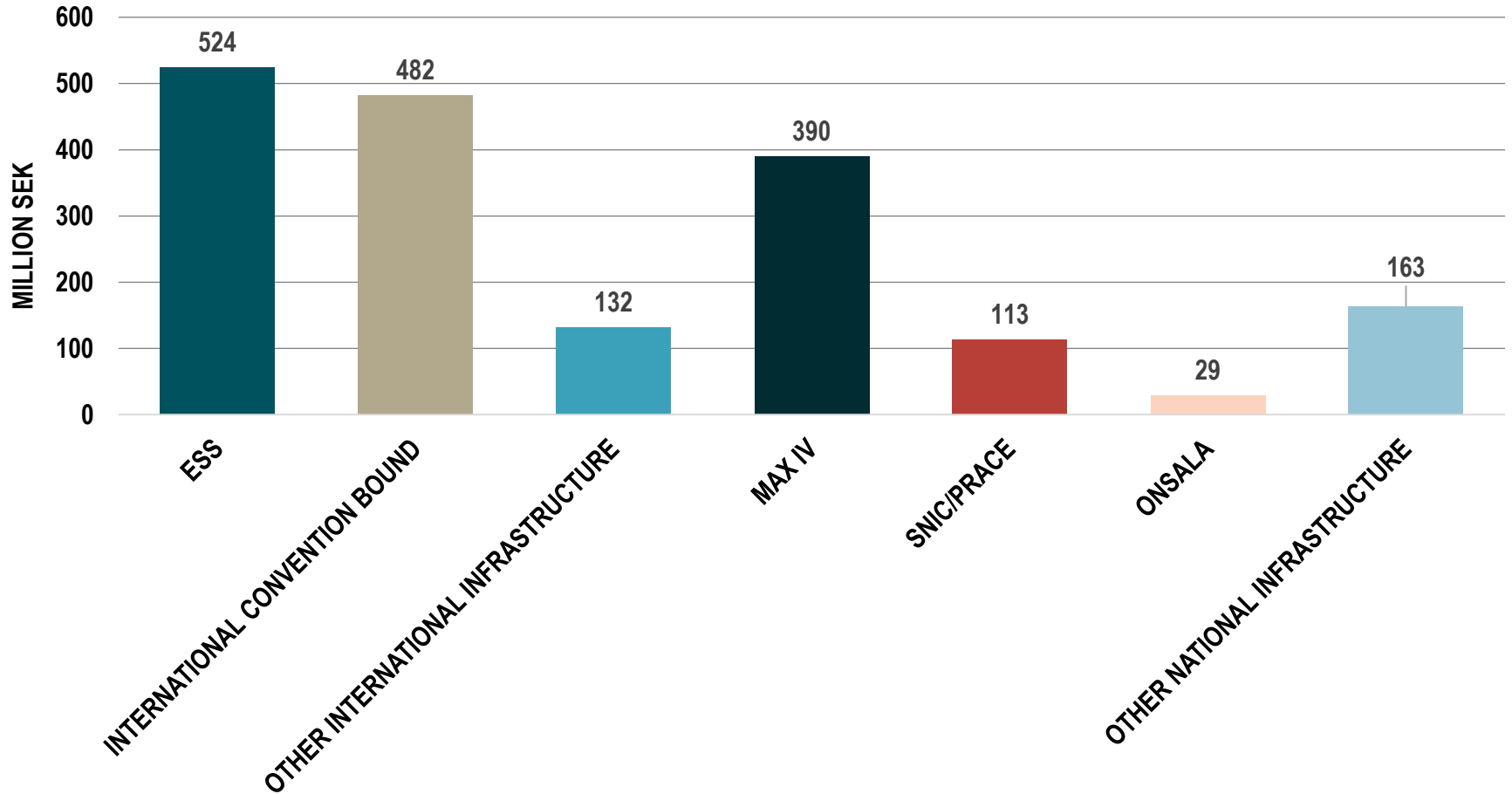Research infrastructure funding 1,938
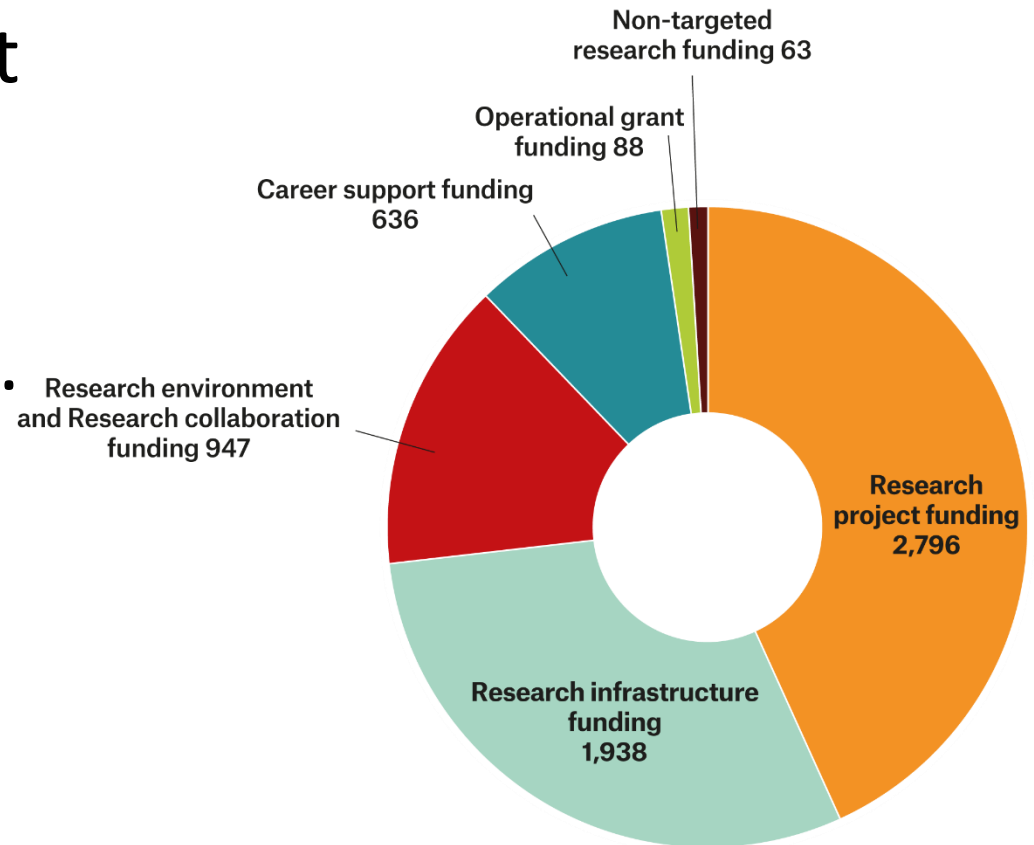
RFI Overview

- Council for Research Infrastructure (RFI)

- Provides funding for and monitors national research infrastructures

- Handles memberships in international infrastructure organisations.

- Develops strategies and plans
  - VR's Guide to Research Infrastructures
  - New version in 2018

- RFI has three advisory groups and an e-Infrastructure committee to support.
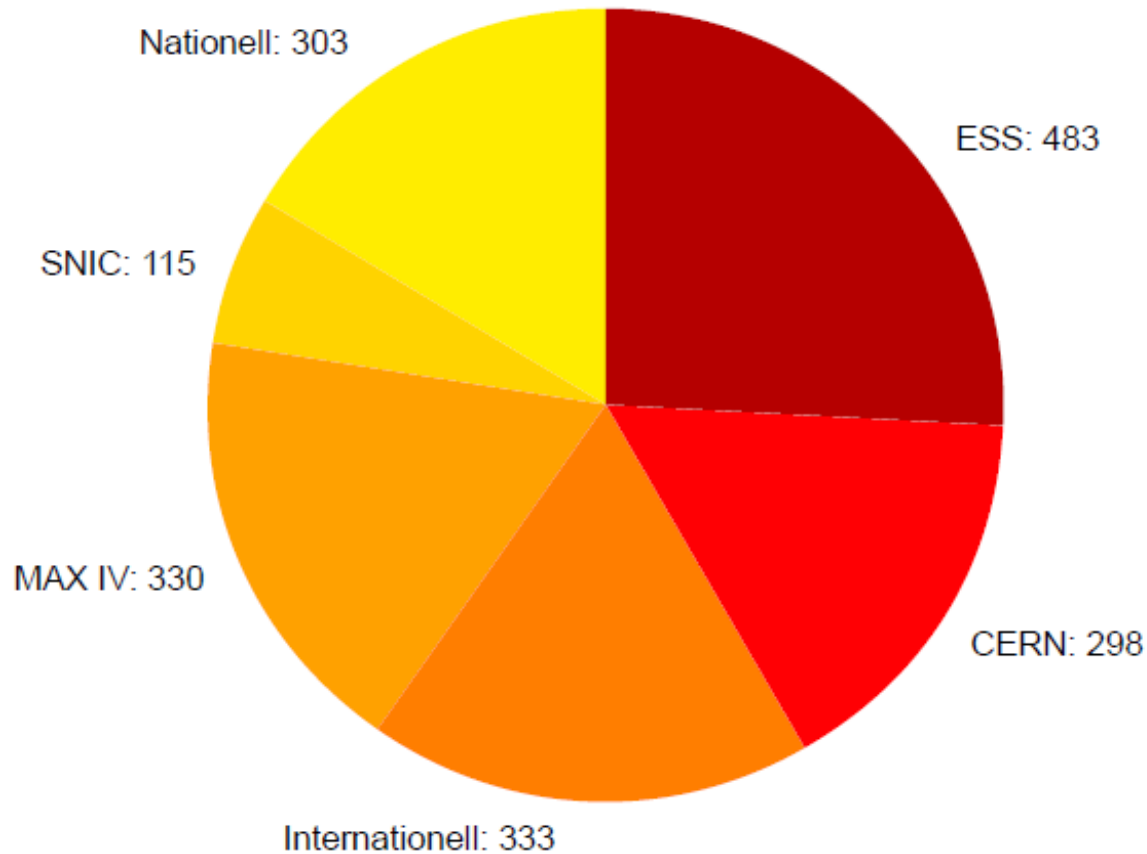

Vetenskapsrådets guide till infrastrukturen 2018

Vetenskapsrådet   2018

Vetenskapsrådet
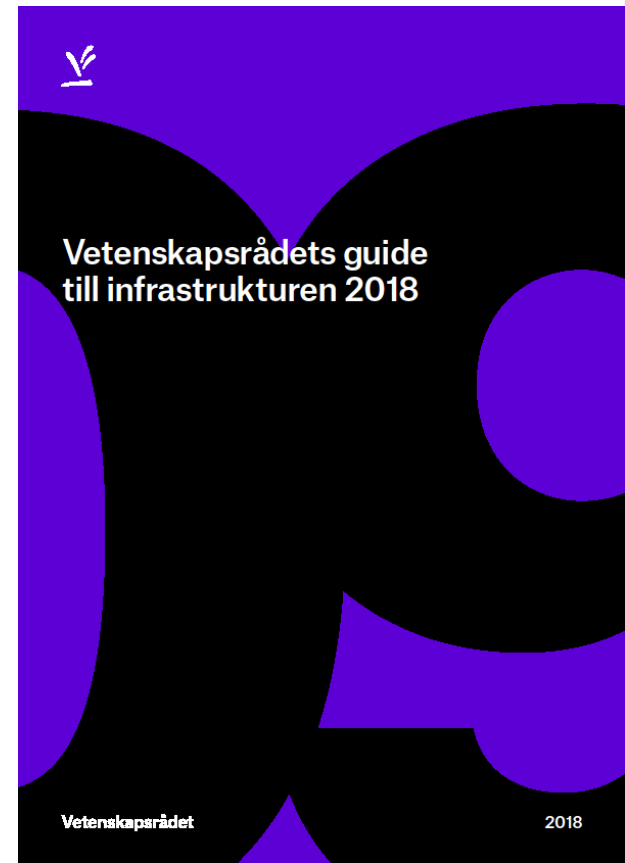
Research infrastructure funding 2017
Larger infrastructures, 1 833 MSEK

Infrastructure funding 2018 (MSEK)

RFI funding process - overview

- The funding process
  - Starts with a <u>needs inventory</u>, which is carried out every two years.
  - If a high priority need, it can then be included in the <u>call for grants</u>.
  - The entire process from the needs inventory to the <u>grant decision </u>takes approximately two years.
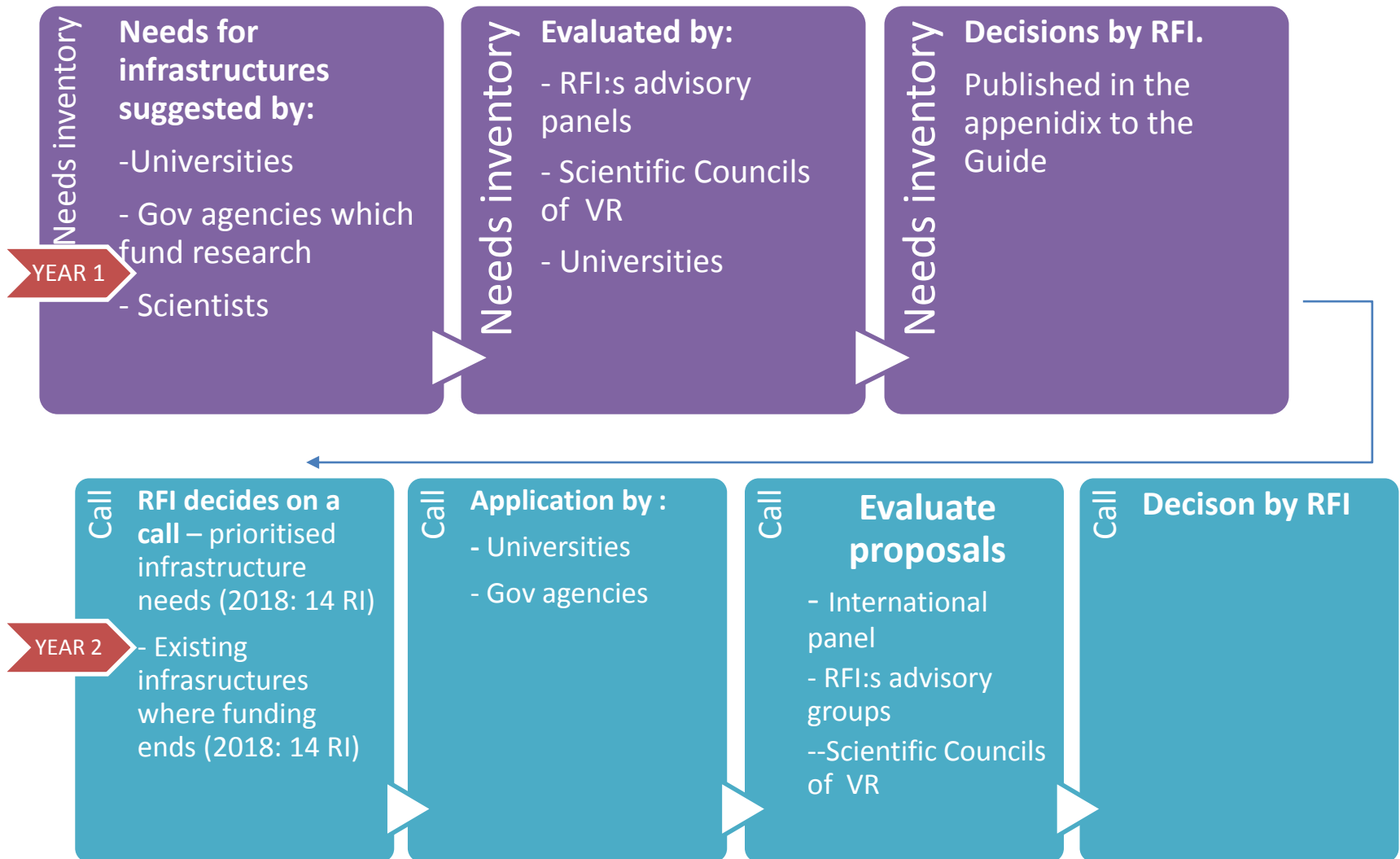
Needs inventory

- Needs for entirely new research infrastructure.
  - National
  - International

- Needs to gather together and substantially develop smaller resources.

- Needs for major upgrades of existing research infrastructure in operation.

- **…. of national interest**

Funding process

Needs inventory

Needs for infrastructures suggested by:

-Universities

- Gov agencies which fund research

- Scientists

YEAR 1

Needs inventory

Evaluated by:

- RFI:s advisory panels

- Scientific Councils of VR

- Universities

Needs inventory

Decisions by RFI.

Published in the appenidix to the Guide

Call

RFI decides on a call – prioritised infrastructure needs (2018: 14 RI)

- Existing infrasructures where funding ends (2018: 14 RI)

YEAR 2

Call

Application by :

- Universities

- Gov agencies

Call

Evaluate proposals

- International panel

- RFI:s advisory groups

--Scientific Councils of VR
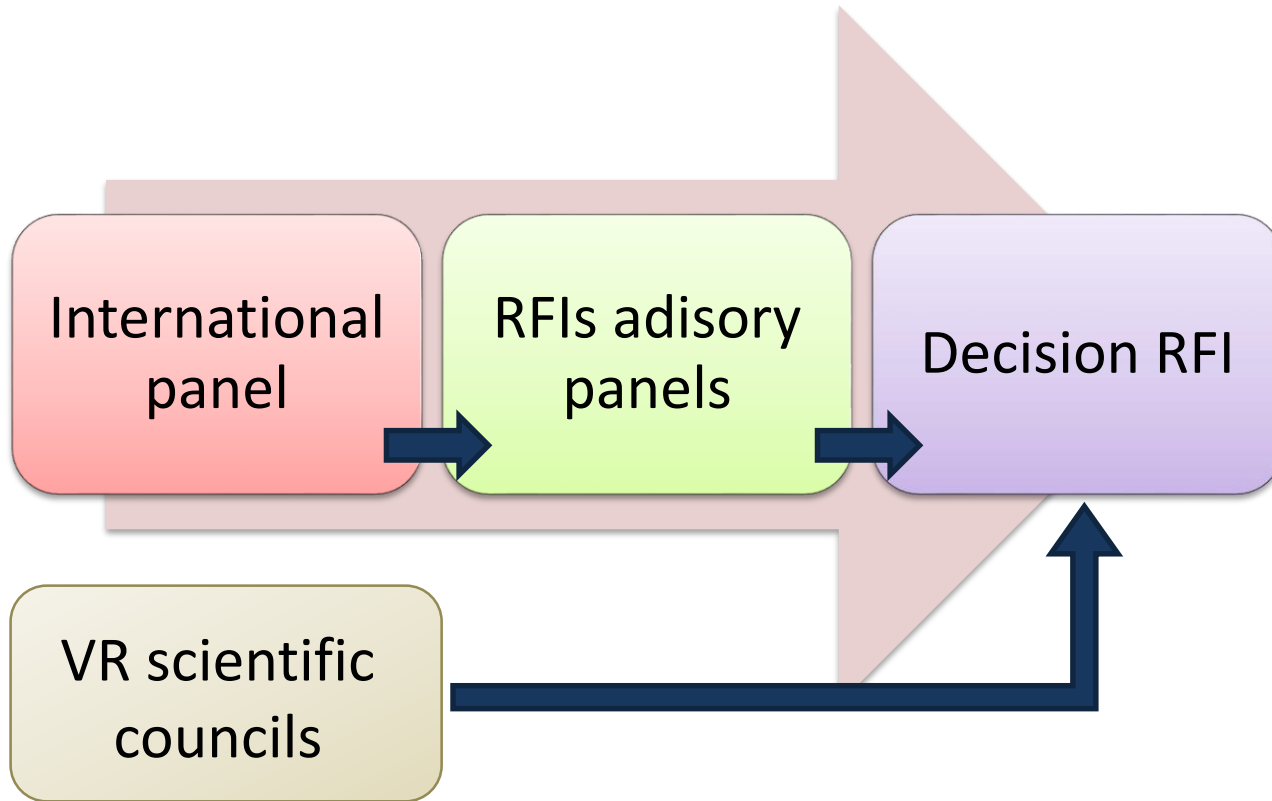
Call

Decison by RFI

New aspects in the 2019 call

- Interviews with the applicants

- Consortium is no longer a demand

- Budget approx 150 Mkr

Evaluation

VR and CERN

- Council :
  - Mats Johnsson, Ministry of Education
  - Kerstin Jon-And, SU
- Finance committee:
  - Per Karlsson, VR
- RRB (ALICE, ATLAS, WLCG):
  - Niklas Ottosson, VR
- TREF (TRipartite Employment conditions Forum):
  - Barbro Åsman (ordf.)

Funding from VR 2017

- Membership contribution CERN - 272 MSEK
- WLCG (via SNIC) – 4,9 MSEK
- ATLAS & ALICE, M&O - 3,6 MSEK
- LHCk – 5,3 MSEK
  - ATLAS, vistelsebidrag för drift – 3,5 MSEK
  - ALICE, vistelsebidrag för drift – 0,9 MSEK
  - Summer students 0,2 MSEK (ej bidrag 2018)
  - Technical students 0,7 MSEK (ej bidrag 2018)

- (ISOLDE - 0,54 MSEK)

Investigation research infrastructures in particle- /hadron- /nuclear physics 2019

- The investigation is suggested to:
  - map Swedish users whose research is dependent on, or favored by RFI's funding in these areas
  - inventory the needs
  - identify overlap between facilities
  - judge if present distribution of funding is optimal
  - …….
  - run throughout 2019
  - be conducted by 5-6 experts, Swedish and foreign

Thank you!

Vetenskapsrådet