Presentation of the KPIs Survey of the ERIC Forum

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ERIC FORUM

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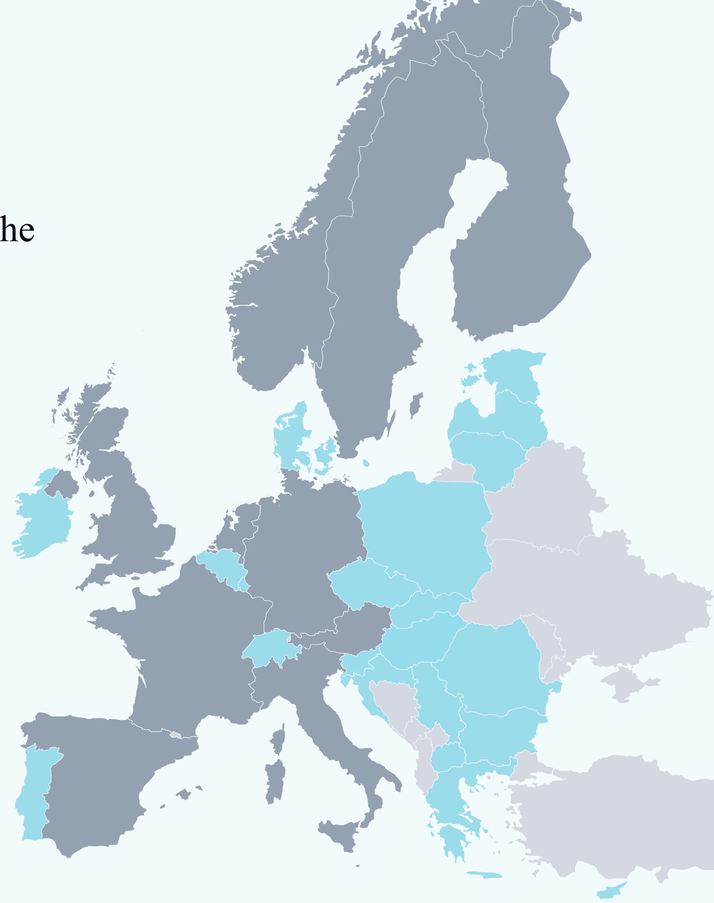
ERIC Landscape: 21 ERICs & 11 prep-ERICs

WHAT is an ERIC?

- **European Research Infrastructure Consortium (ERIC):** Specific **legal form** that facilitates the establishment and operation of research infrastructures with **European interest**
- Partnership of EU Member States (and Associate and non-Members States) that have agreed to **integrate their resources** to respond to global societal challenges in **various science fields**
- ERICs are the **backbone of the European Research Area**



Map of Europe showing
countries which host a statutory seat of an ERIC
and
countries which are a member of an ERIC

Science areas of the ESFRI Roadmap

Energy

- ECCSEL
- EU SOLARIS – The European Research Infrastructure for Concentrated Solar Power

Environment

- emso ERIC – European Research Infrastructure Consortium
- EPOS – European Plate Observing System
- Euro-Argo
- ICOS – Integrated Carbon Observation System
- LifeWatch
- ACTRiS

Health & Food

- BBMRI-ERIC
- eatris – European infrastructure for translational medicine
- ECRIN – European Clinical Research Infrastructure Network
- EMBRC – European Marine Biological Resource Centre
- eu-openscreen
- EURO-BIOIMAGING
- instruct ERIC – European Research Infrastructure Consortium
- AnaEE – Analysis and Experimentation on Ecosystems
- EMPHASIS
- INFRAFRONTIER – mouse disease models
- MIRRI – Microbial Resource Research Infrastructure

Physical Sciences & Engineering

- CERIC – Central European Research Infrastructure Consortium
- ESS – European Spallation Source
- JIVE – Joint Institute for VLBI ERIC
- CTA – cherenkov telescope array
- ELI – delivery consortium
- EST – european solar telescope
- KM3NeT

Social & Cultural Innovation

- cessda
- CLARIN – Common Language Resources and Technology Infrastructure
- DARIAH-EU
- European Social Survey
- SHARE ERIC – Survey of Health, Ageing and Retirement in Europe
- E-RIHS – European Research Infrastructure for Heritage Science

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www.eric-forum.eu

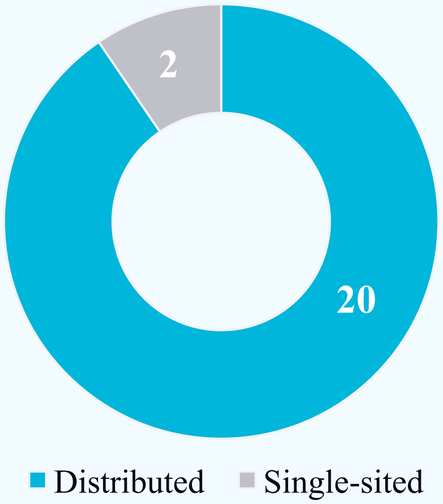
Capital value and operations cost

Research infrastructures are facilities that **provide resources and services** for research communities to **conduct research and foster innovation.** They can be used beyond research e.g. for **education or public services.**

19 out of 21 ERICs* are on the ESFRI Roadmap 2018

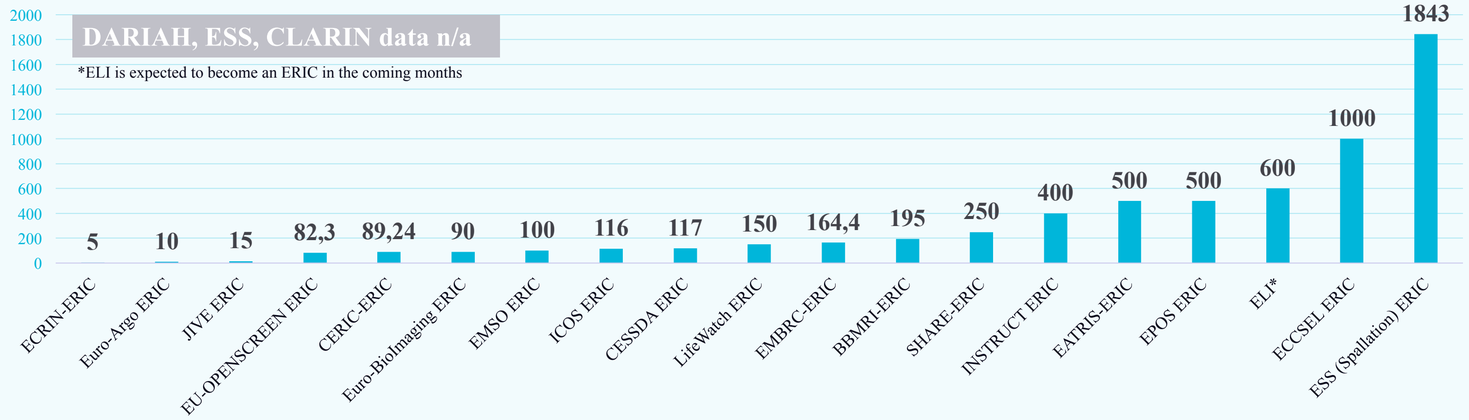
*CERIC-ERIC and JIVE ERIC are currently not on the ESFRI Roadmap. JIVE ERIC is a Pathfinder for ESFRI Landmark SKA. ELI is on the ESFRI Roadmap and is expected to become an ERIC in the coming months.

Data about CERIC-ERIC, JIVE ERIC, and ELI were provided by the respective RI managers. All other data presented on this slide are from the ESFRI Roadmap 2018.



Operations cost M EUR/year

Capital value M EUR



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ERIC Forum Implementation Project

Governance (WP2)

- Giving the ERIC Forum a governance model

Operation, admin, HR, finance (WP3)

- Collecting and sharing best practices

Evaluation & impact assessment (WP4)

- Helping ERICs to measure their success

ERICs in EU science policy & research strategy (WP6)

- Framing and developing ERICs role in science policy

Communication (WP5)

CERIC

Project Coordination

BBMRI-ERIC®

Dialogue with ESFRI

5 February 2019: ESFRI Questionnaire to pan-European RIs on their objectives & KPIs (deadline: 18 February)

1 March 2019: ERIC Forum letter no. 1 to ESFRI – invitation to collaborate

5 April 2019: Meeting in Brussels with ESFRI WG and EC about KPIs

17 April 2019: Interim report of the ESFRI WG on KPIs

7 May 2019: ERIC Forum meeting in Oslo, interim report presented by ESFRI

14 May 2019: ERIC Forum Position Paper on the Development of KPIs for RIs shared with ESFRI

17 June 2019: Questionnaire for Pan-European RIs on Relevance of KPIs (prioritization, deadline: 26 June)

3 July 2019: Workshop in Brussels on “Monitoring of RIs methodology and KPIs”

4 September 2019: Report of the ESFRI WG on monitoring of RIs performance

16 September 2019: ERIC Forum letter no. 2 to ESFRI – feedback on ESFRI recommendations

16 September 2019: Response from ESFRI

7 November 2019: ERIC Forum presentation during ESFRI workshop in La Palma

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ESFRI

ERIC Forum survey on KPIs for Research Infrastructures

Target group

21 ERICs (95% responded) and **11 prep-ERICs** (27% responded)

Aim

- Assess the **current status of KPIs implementation** across the community of ERICs and prep-ERICs
- Collect **feedback on ESFRI KPIs**

Accepting responses

3-18 November 2020

KPI definition

From ESFRI Working Group Report: The purpose of KPIs is to "provide a **means of monitoring the performance** of a Research Infrastructure with regard to progress towards its stated objectives from inputs, through activities and outputs to outcomes..."

Survey structure

- General **background information** about participating RIs
- **KPI status and motivation:** Two alternative sets based on the current status, i.e. RIs that have already adopted KPIs vs. RIs that have not yet adopted KPIs
- **Feedback on ESFRI KPIs**

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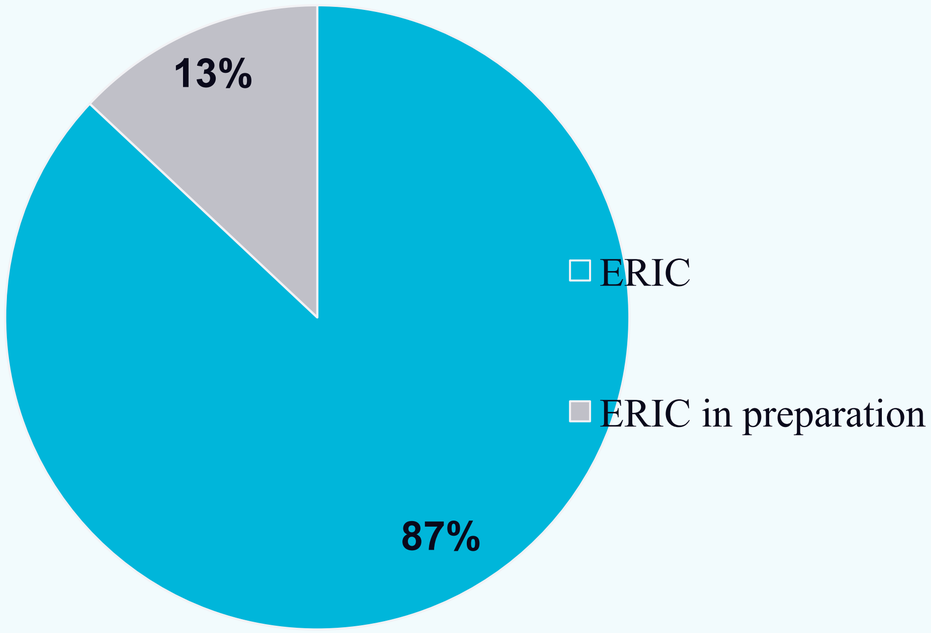
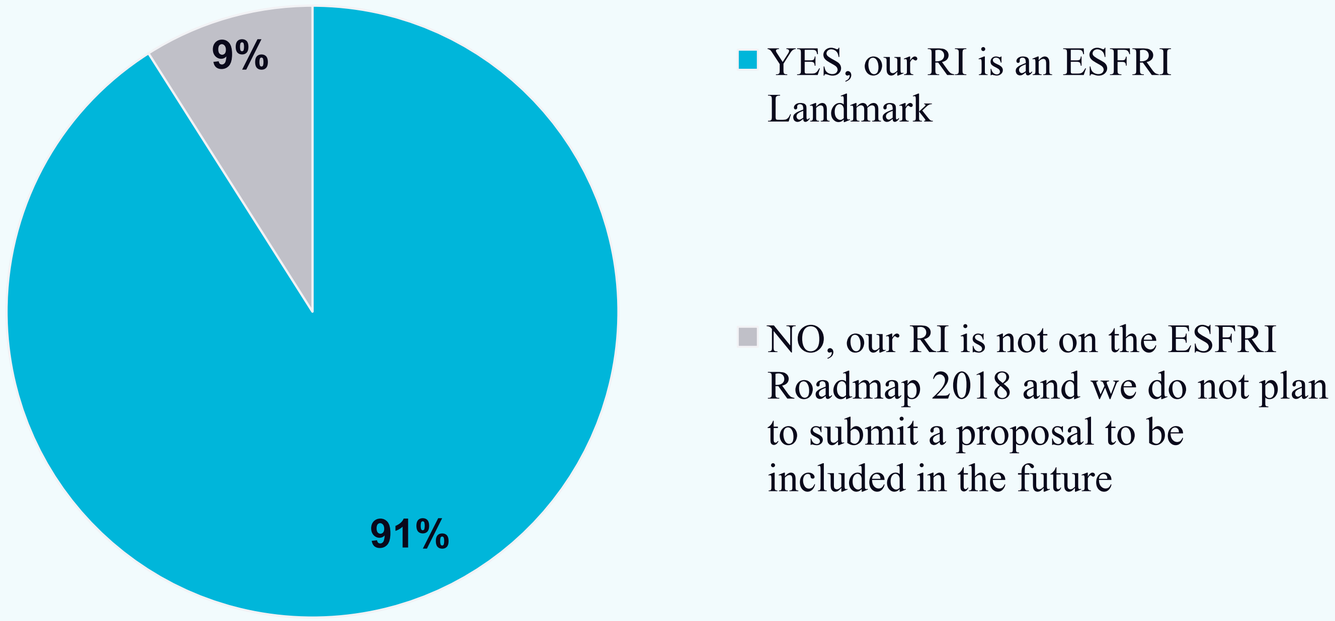
Profile of respondents

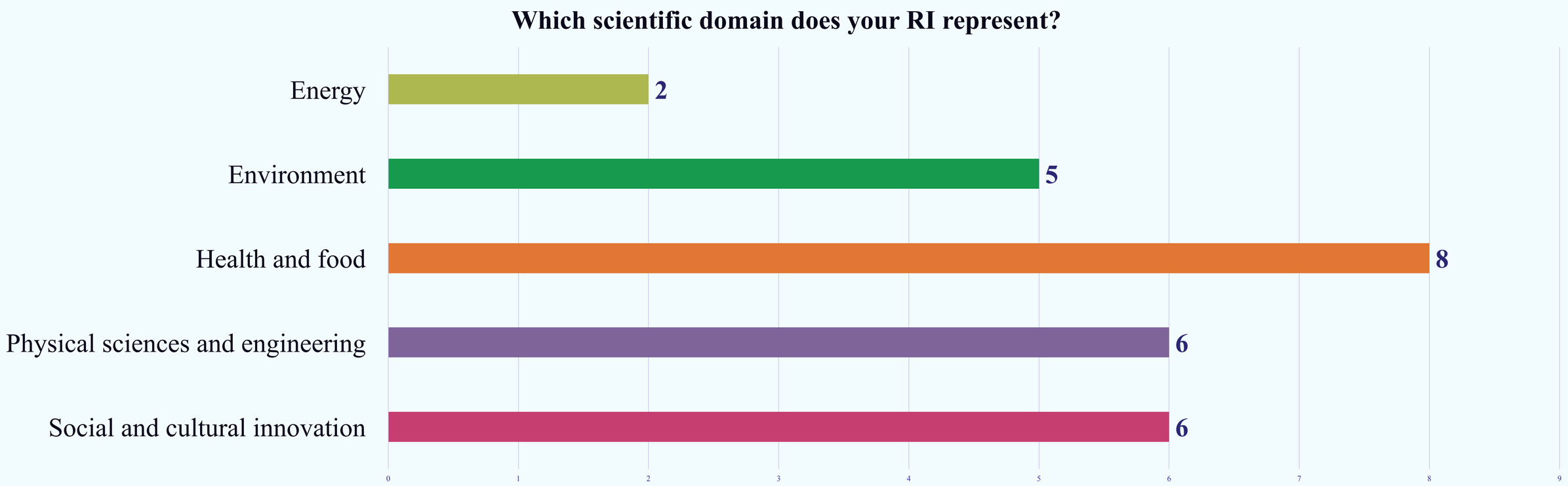
Is your RI currently an ERIC or ERIC in preparation?



Is your RI on the ESFRI Roadmap 2018?



Profile of respondents



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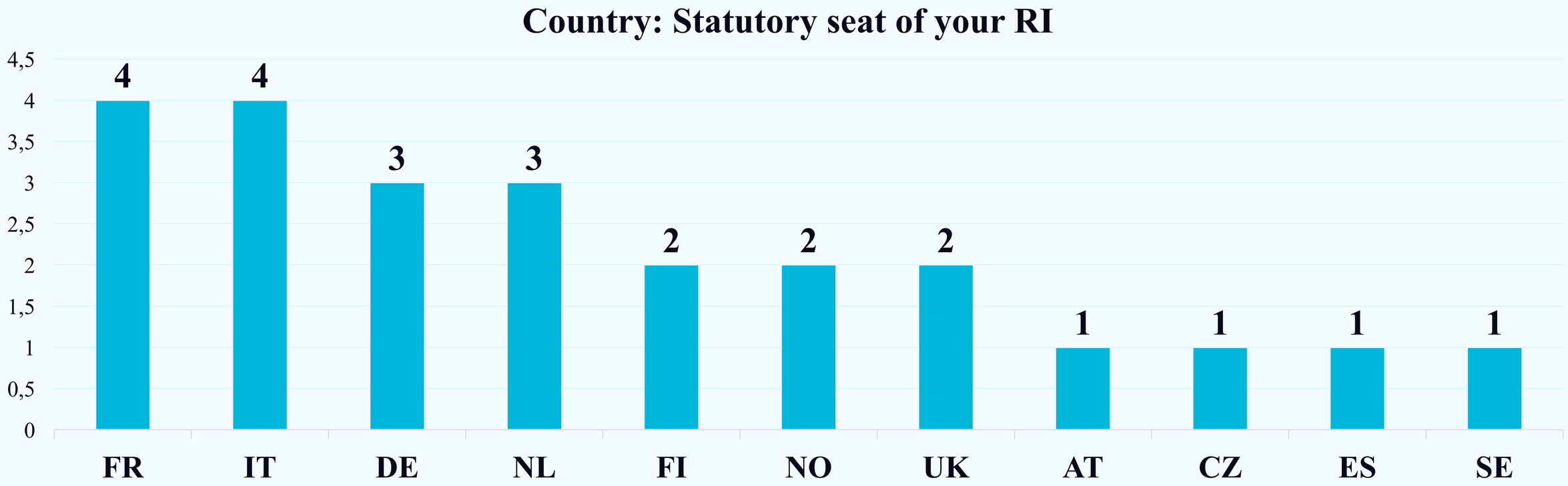

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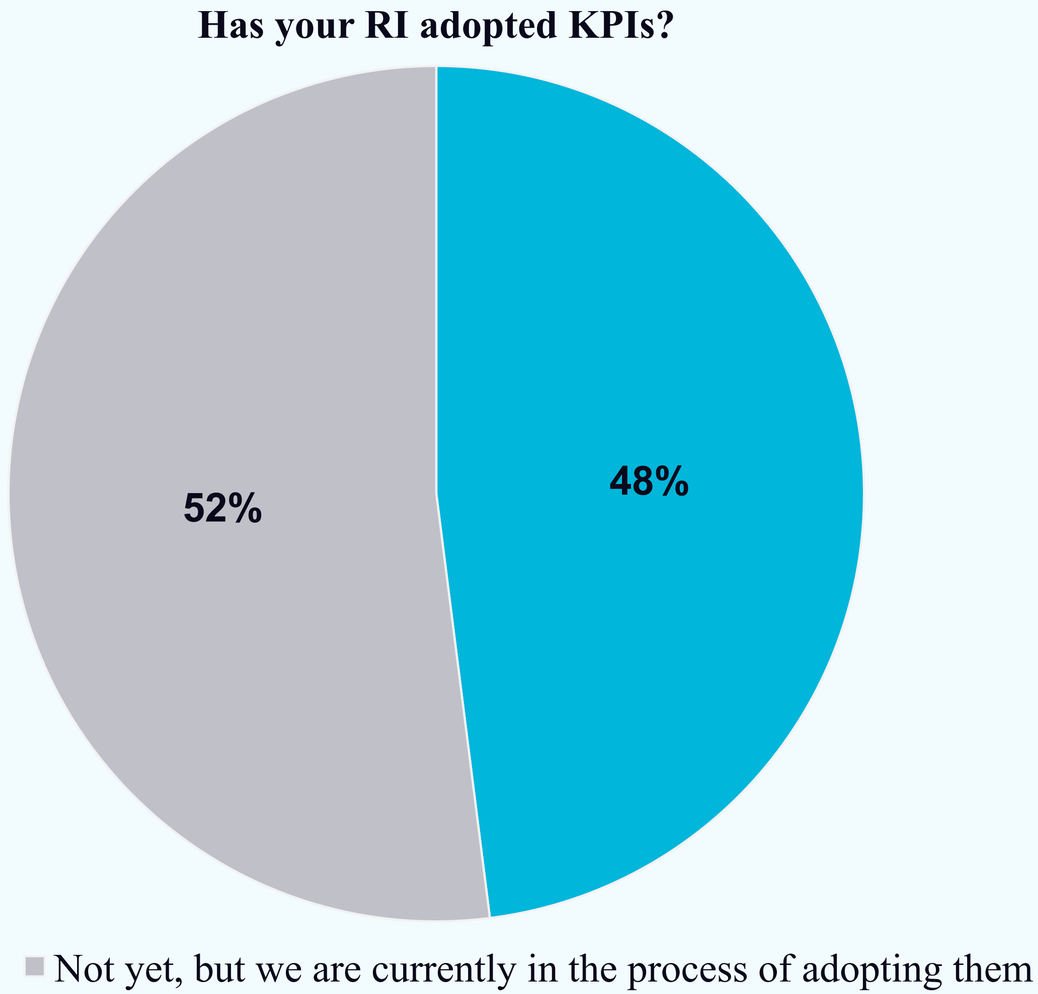
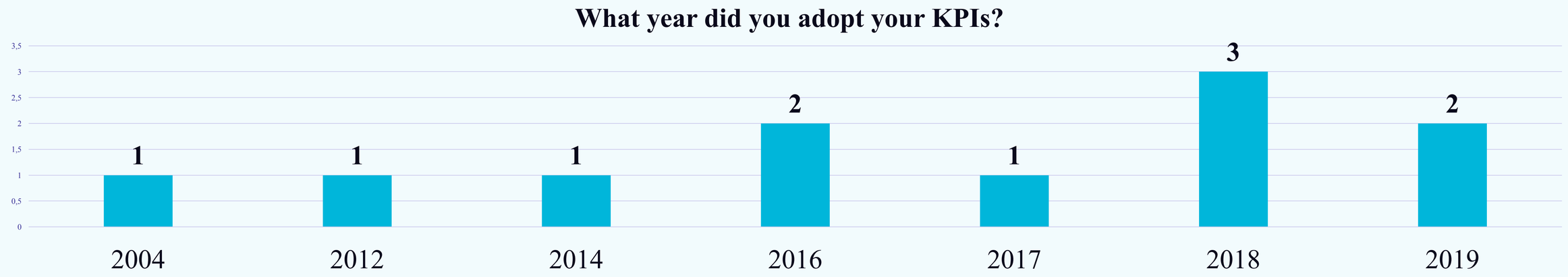


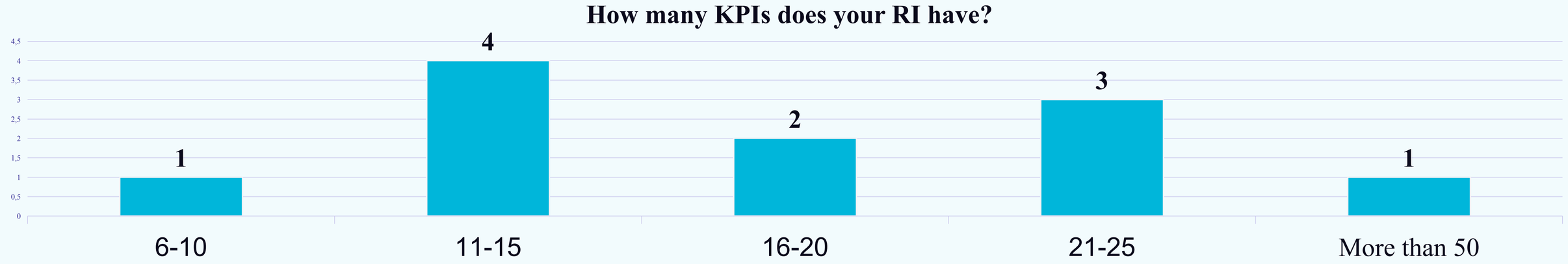
Answers by ERICs that have already adopted KPIs

Why have you adopted KPIs?

- To have an **internal management tool** that helps the ERICs to achieve tangible results, and enables the **monitoring of progress against set objectives, mission, and vision;**
- To **document improvements and developments,** and monitor performance in various areas of interest, including e.g. scientific outcomes and outputs, technical performance, operations, adequacy of services, access, trainings, user uptake etc.;
- To have an **instrument for communicating the successes** of the ERICs to various audiences and stakeholder groups by presenting **measurable results;**
- To **improve the long-term impact and value of the ERICs,** demonstrate their effectiveness, efficiency and accountability, and address the requests of governing bodies;
- **To mitigate risks** by detecting problems early on, and provide informed feedback on key strategic documents and policies of the ERICs;
- In case of distributed ERICs, to better evaluate the work of headquarters and **measure the level of engagement with each national node.**

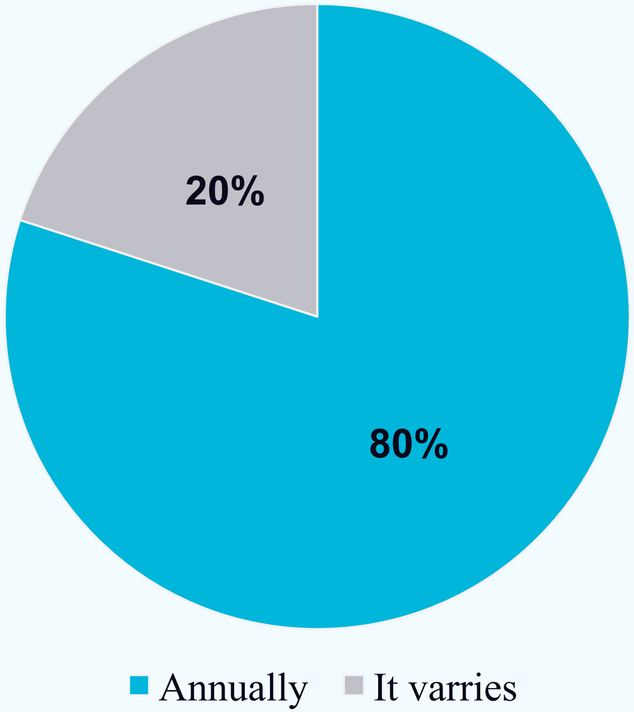
Answers by ERICs that have already adopted KPIs



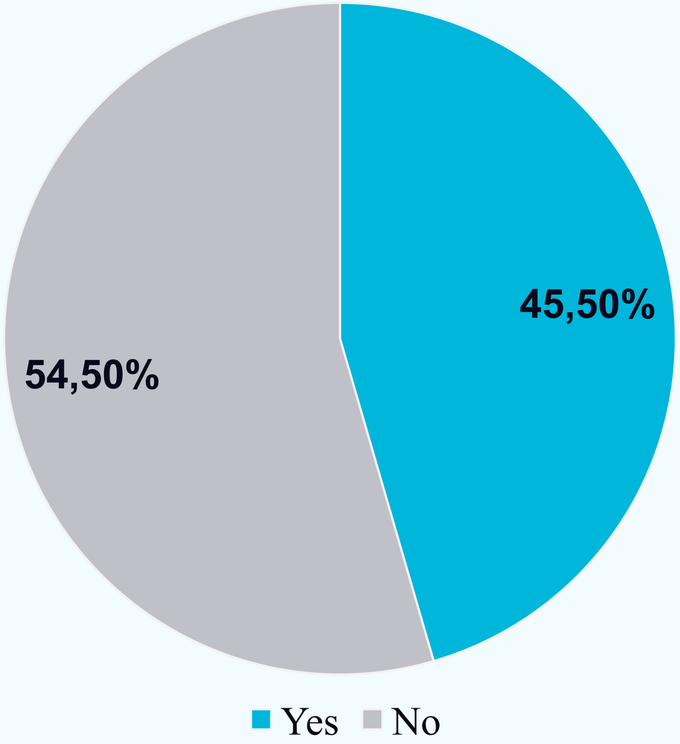


Answers by ERICs that have already adopted KPIs

How often do you report to your stakeholders on the status of your KPIs?



Do you have personnel dedicated specifically to the KPIs-related work, i.e. a "go to contact" responsible for the work? This personnel may or may not work full-time on KPIs.



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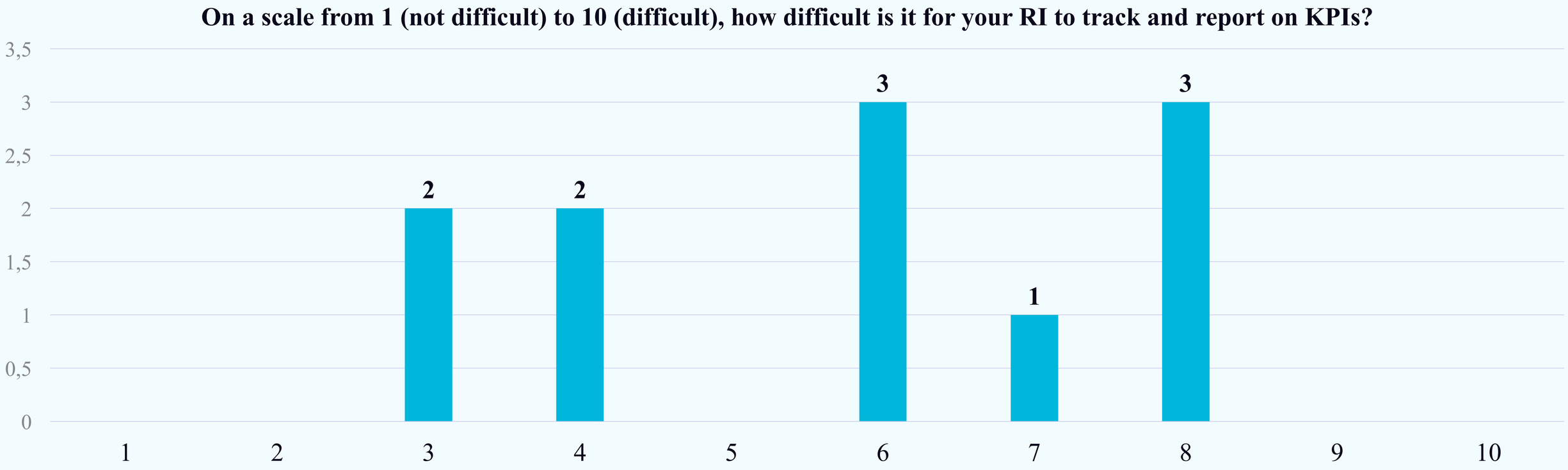
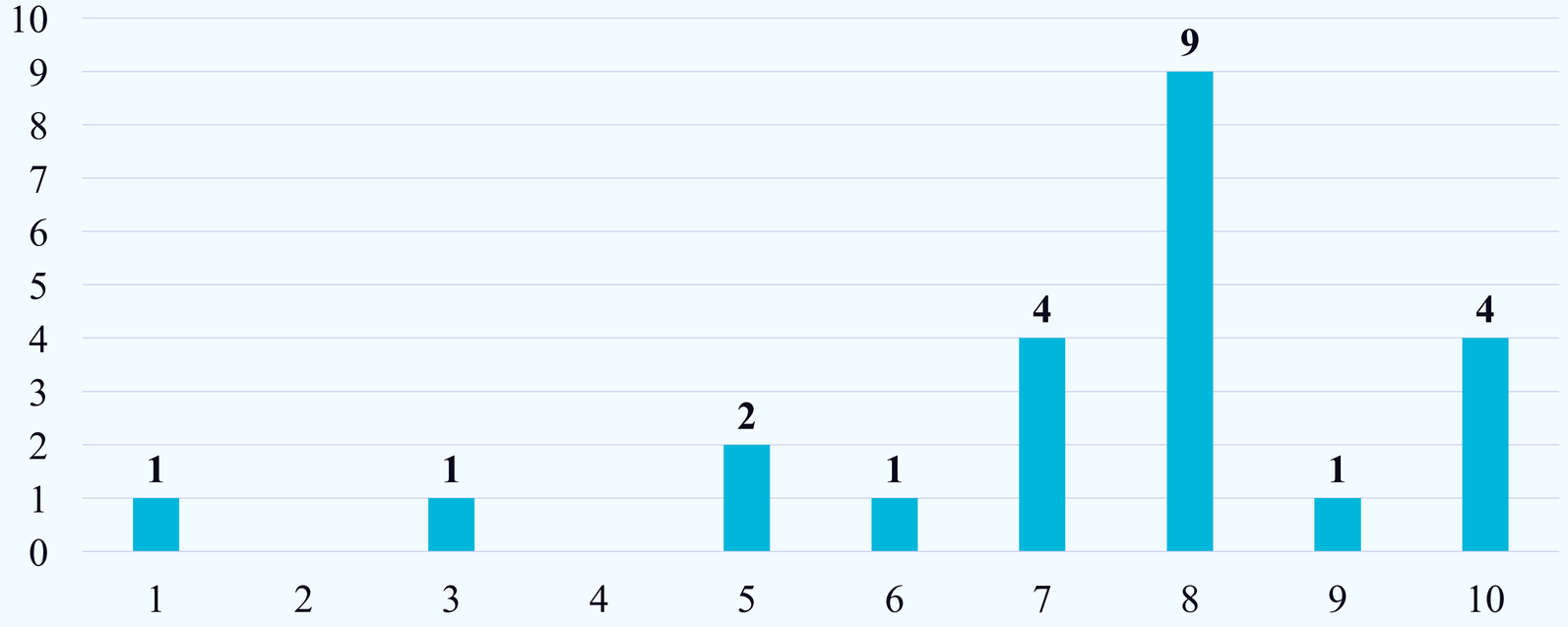
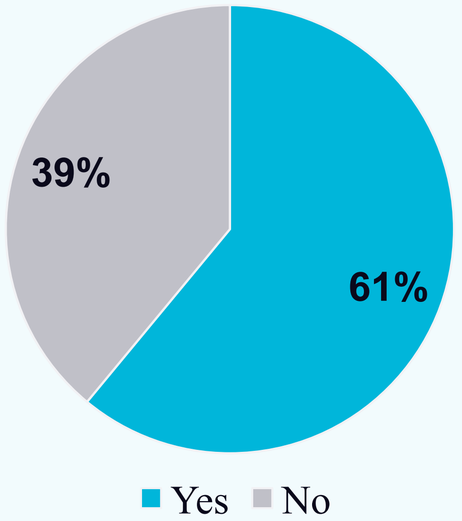


Feedback on ESFRI KPIs

On a scale from 1 to 10, how useful do you find the reference sheets with definitions, rationale, data sources, methodology etc. of the ESFRI KPIs in providing guidance to RIs on how to define and measure KPIs?



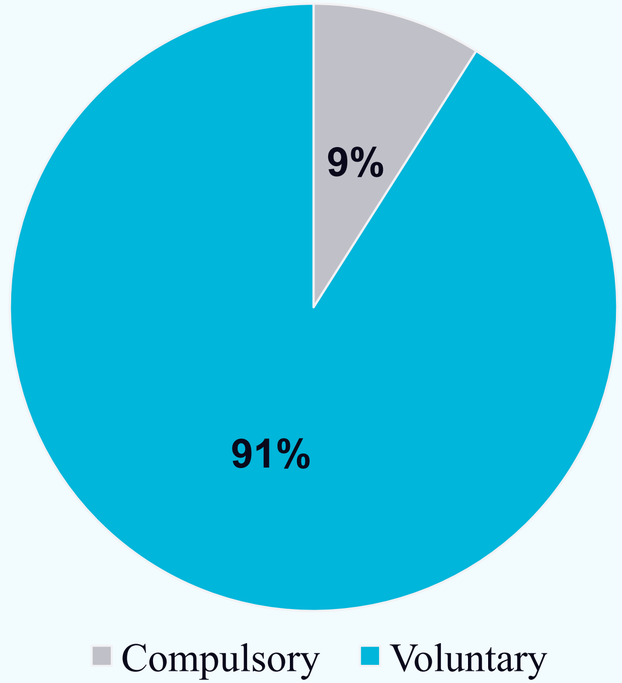
Do you think the ESFRI KPIs need to be changed and/or adjusted? (This question is about the overall general needs rather than adjusting KPIs to the unique needs of each RI.)



Feedback on ESFRI KPIs

Which areas currently not covered by the ESFRI KPIs would be useful to add?

Should the adoption of ESFRI KPIs be compulsory or voluntary for RIs on the ESFRI Roadmap?



Thank you very much!