



THE GO FAIR INITIATIVE

An open and inclusive eco-system for FAIR pioneers

Fiesole 2019

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1. How did it all start? Initiation of GO FAIR
2. GO FAIR members: Implementation Networks
3. GO FAIR strategy: GO CHANGE - GO TRAIN - GO BUILD
4. GO FAIR administration: International Support and Coordination Office

HOW DID IT ALL START? INITIATION OF GO FAIR



The image shows a press release document with logos of the German, French, and Dutch ministries at the top. The text includes the title 'Press release', the release date '1st December 2017, 18:00 / 6 pm', and the main headline 'Progress towards the European Open Science Cloud: Germany and the Netherlands establish office for the GO FAIR Initiative / France joins'. The body text describes the establishment of the International Support and Coordination Office (ISCO) and the goals of the European Open Science Cloud (EOSC).

 Bundesministerium
für Bildung
und Forschung

 République Française
MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

 Ministerie van Onderwijs, Cultuur en
Wetenschap

Press release

For release: 1st December 2017, 18:00 / 6 pm ***

1 December 2017
129/2017

Progress towards the European Open Science Cloud

Germany and the Netherlands establish office for the GO FAIR Initiative / France joins

In order to take a step closer towards the realisation of the European Open Science Cloud (EOSC), Germany and the Netherlands are setting up an international office to support the GO FAIR Initiative, the International Support and Coordination Office (ISCO). France is joining them and will also contribute to the office. GO FAIR aims to gradually open up existing research data at scientific and academic institutions in all research fields and across national borders – and is thus a stepping stone towards the realisation of the European Open Science Cloud. The EOSC is a project to provide an open platform for the exchange of research data and will link researchers across Europe. Research data will no longer be confined to hard-drives and USB sticks. The EOSC will enable the shared use and re-use of research findings and data, which will not only benefit science but also industry and society.

December 2017:

The science ministries of Germany, the Netherlands and France announce that they will support the **GO FAIR** initiative by setting up an international office

Why?

HOW DID IT ALL START? INITIATION OF GO FAIR

To support this:

GO FAIR: a bottom-up international approach

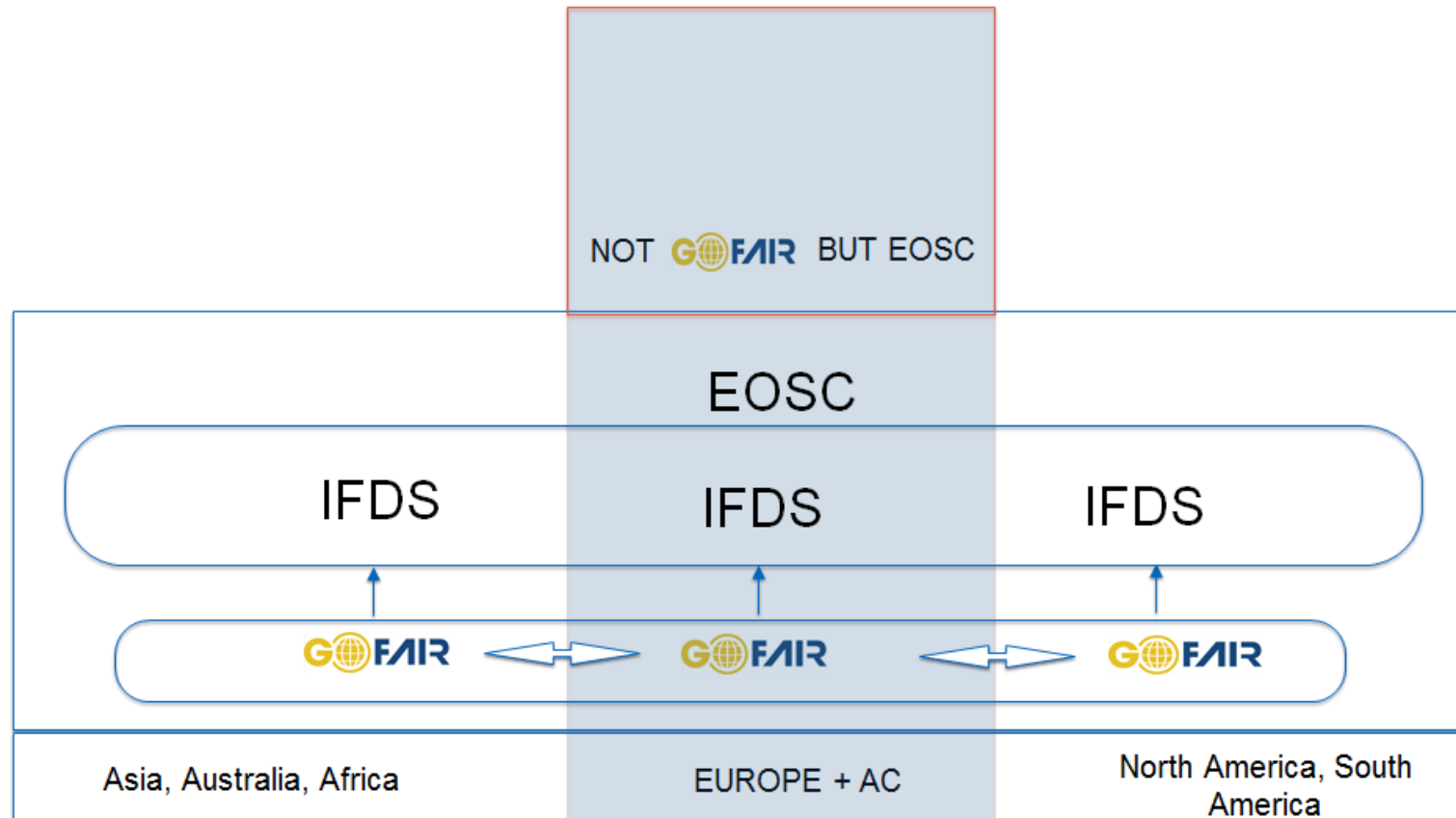
for the practical implementation of the European Open Science Cloud (EOSC) as part of a global Internet of FAIR Data & Services

HOW DID IT ALL START? INITIATION OF GO FAIR

The GO FAIR approach:

- **Open and inclusive environment for anyone** committed to defining and creating elements of an Internet of FAIR Data & Services (IFDS)
- **Integrating all disciplines and states from all over the world:** bottom-up, open to all, cross border, cross discipline
- **Goal: Broad acceptance and application of FAIR principles → IFDS**

EOSC / INTERNET OF FAIR DATA AND SERVICES



Jean-Claude Burgelman (DG Research & Innovation):
„GO FAIR is an extremely important parallel track to achieve EOSC“

GO FAIR MEMBERS: IMPLEMENTATION NETWORKS

- Individuals, institutions and organisations engage in GO FAIR as so-called **Implementation Networks**
- Group of people with a **common interest in implementing** a certain element of the Internet of FAIR Data and Services
- **Conscious choices** in terms of existing standards and technology
- Implementation Networks reuse, adjust or - in some cases - create entirely new elements such that **wheels are not being reinvented**
- Implementation Networks engage in one or several **“pillars”**



GO FAIR IMPLEMENTATION APPROACH: 3 PILLARS



GO FAIR IMPLEMENTATION APPROACH: 3 PILLARS



- Socio-cultural change towards an **academic culture** in which reward systems acknowledge researchers' efforts to follow the FAIR principles

GO FAIR IMPLEMENTATION APPROACH: 3 PILLARS

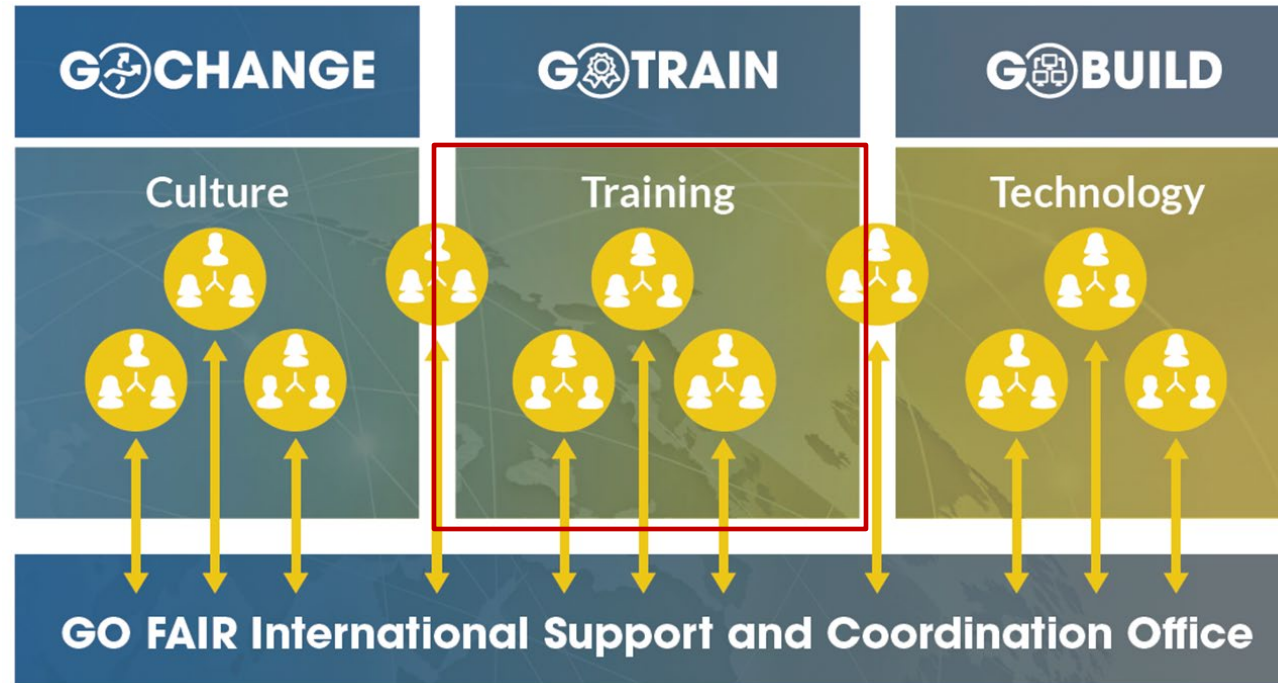
- Example:



Manifesto states:

„The main purpose of RDs GO FAIR is to **establish a culture in the RD community** where members help each other choose, adopt, and tailor guidelines, standards, and tools to implement FAIR principles. RDs GO FAIR will aim towards reaching a tipping point for change of culture by **supporting the RD community stakeholders to engage in the implementation of FAIR principles.**”

GO FAIR IMPLEMENTATION APPROACH: 3 PILLARS



- Training the required data stewards capable of designing and implementing FAIR data stewardship plans

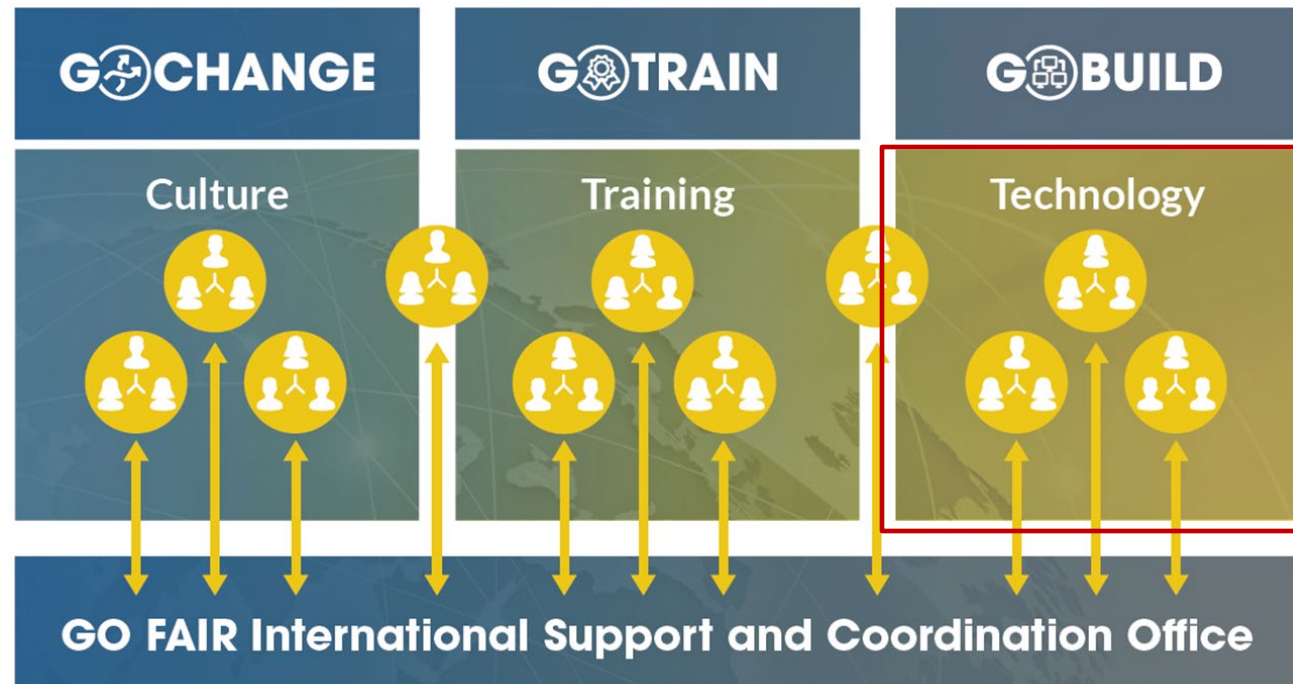
- Example:



Manifesto states:

„The purpose of the IN is to develop canonical, yet open and scalable teaching materials for FAIR competencies. The curriculum will be closely aligned with the FAIR principles and metrics. By `canonical` we mean a **reference curriculum that others can use when developing their own teaching materials** (whether open, closed, and whatever the format may be, including eLearning environments).”

GO FAIR IMPLEMENTATION APPROACH: 3 PILLARS



- Building on technical standards and designing infrastructure components needed to create the Internet of Fair Data and Services

GO FAIR IMPLEMENTATION APPROACH: 3 PILLARS

- Example:



Manifesto states:

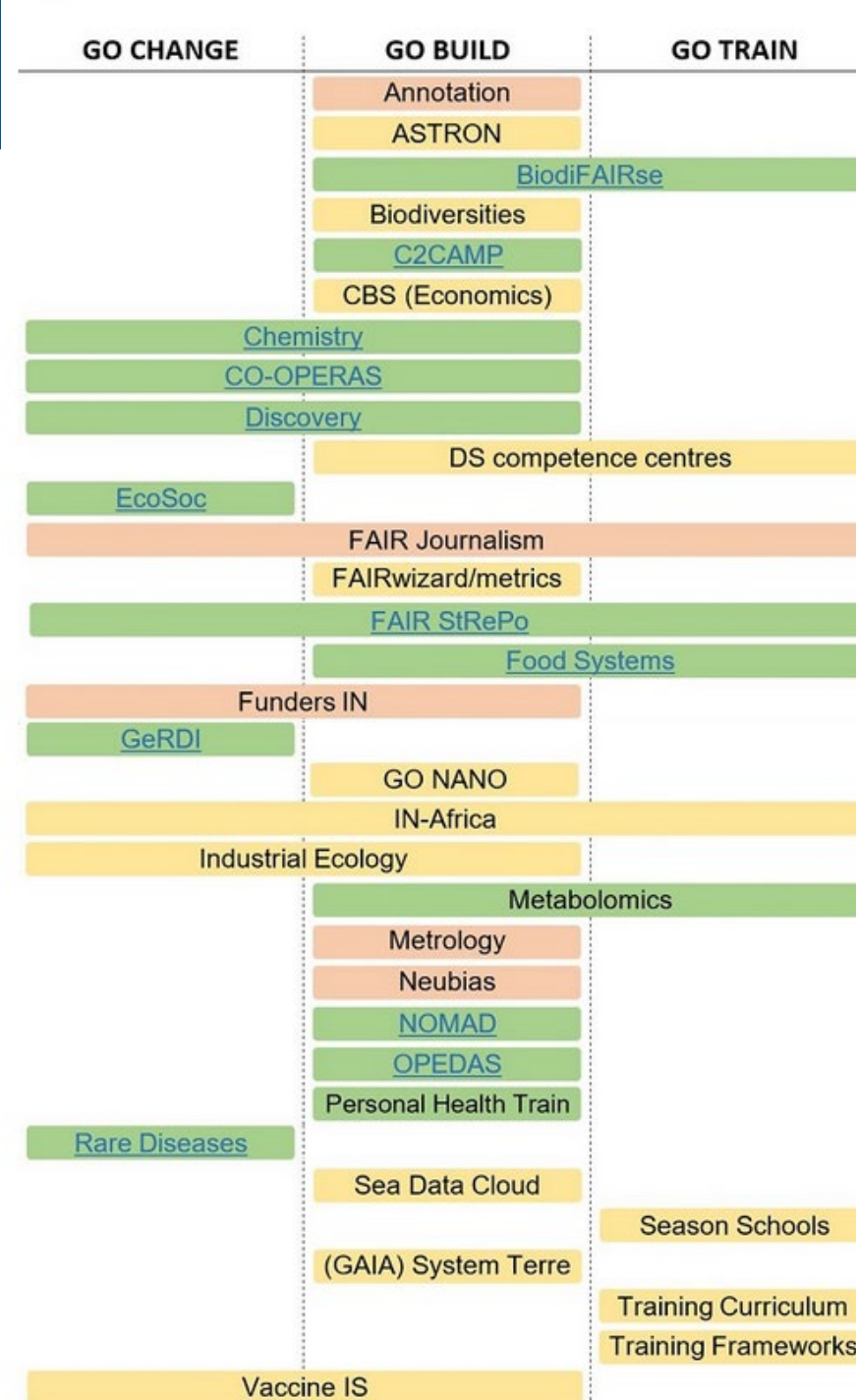
„According to the project’s mission and in line with the FAIR principles, GeRDI will provide generic, sustainable and open software **connecting research data repositories** to enable multidisciplinary and FAIR research data management.”

IMPLEMENTATION NETWORKS

Status Quo:

- 14 active INs
- 14 preparatory INs
- 5 interested INs

www.go-fair.org/implementation-networks/overview/



OPPORTUNITIES FOR SYNERGY AND EXCHANGE

September 19, 2018
“Germany goes FAIR” Workshop in Berlin

Oktober 26, 2018
Country Meeting in Leiden, NL

Januar 15-16, 2019
International Meeting of Implementations
Networks

Februar 12, 2019
Personal Health Train Workshop
(German Chapter)

May 17, 2019
„Germany goes FAIR“ Workshop in Cologne

June 2019
GO CHANGE Workshop in Munich (tbc)

September 2019
GO BUILD Workshop

November
GO TRAIN Workshop



GO FAIR ADMINISTRATION

Meet the International Support and Coordination Office!



Patrick Garda



Barend Mons



Klaus Tochtermann



Luiz Bonino
Build



Anja Busch
Governance



Gavin Connor Fox
Train



Ines Drefs
Change



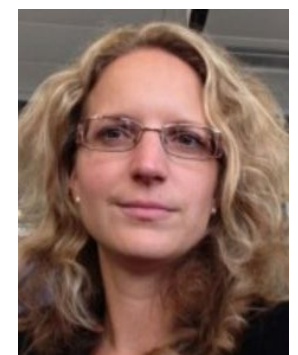
Erik Schultes
Science



Silvia Wissel
Country
Involvement



Katharina Kriegel
Communications



Hana Pergl
Project Management

Thank you!

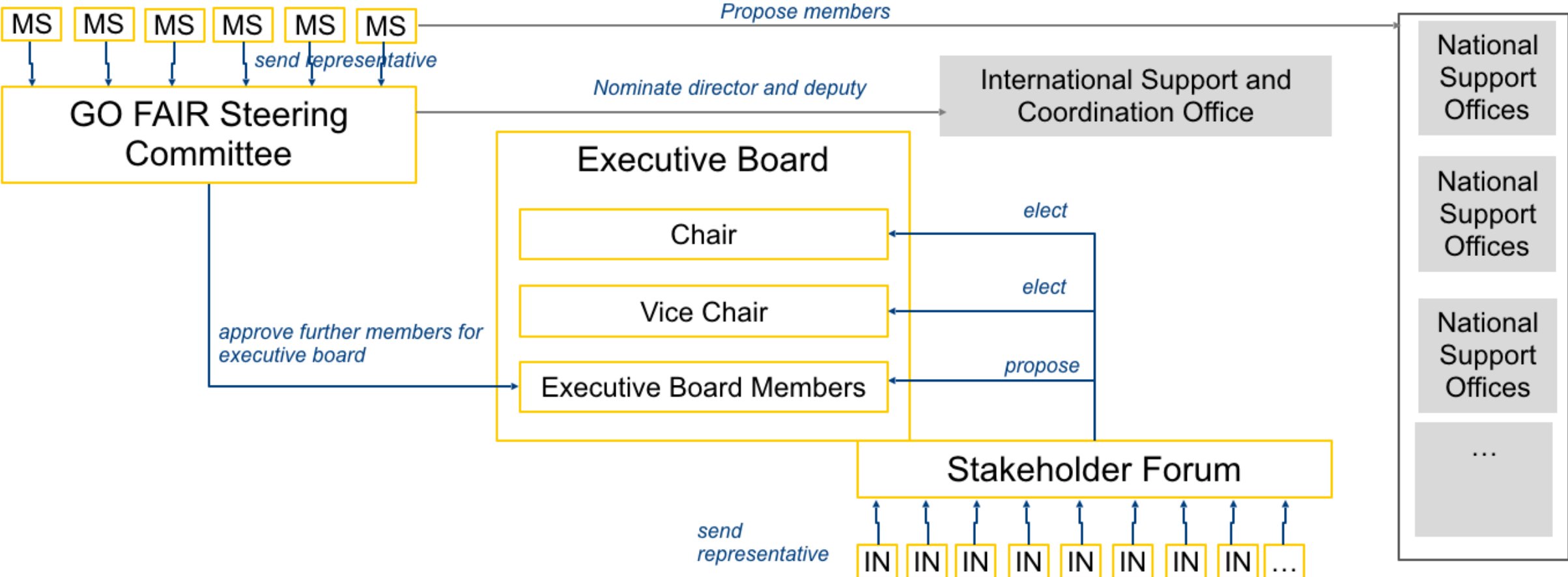
Questions?

Website: www.go-fair.org

Email: office@go-fair.org

Twitter: [@GOFAIRofficial](https://twitter.com/GOFAIRofficial)

Governance Structure



FAIR PRINCIPLES

Findable:

- F1. (meta)data are assigned a globally unique and persistent identifier
- F2. data are described with rich metadata
- F3. metadata clearly and explicitly include the identifier of the data it describes
- F4. (meta)data are registered or indexed in a searchable resource

Interoperable:

- I1. (meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation
- I2. (meta)data use vocabularies that follow FAIR principles
- I3. (meta)data include qualified references to other (meta)data

<https://www.nature.com/articles/sdata201618>

Accessible:

- A1. (meta)data are retrievable by their identifier using a standardized communications protocol
 - A1.1 the protocol is open, free, and universally implementable
 - A1.2. the protocol allows for an authentication and authorization procedure, where necessary
- A2. metadata are accessible, even when the data are no longer available

Reusable:

- R1. (meta)data are richly described with a plurality of accurate and relevant attributes
 - R1.1. (meta)data are released with a clear and accessible data usage license
 - R1.2. (meta)data are associated with detailed provenance
 - R1.3. (meta)data meet domain-relevant community standards