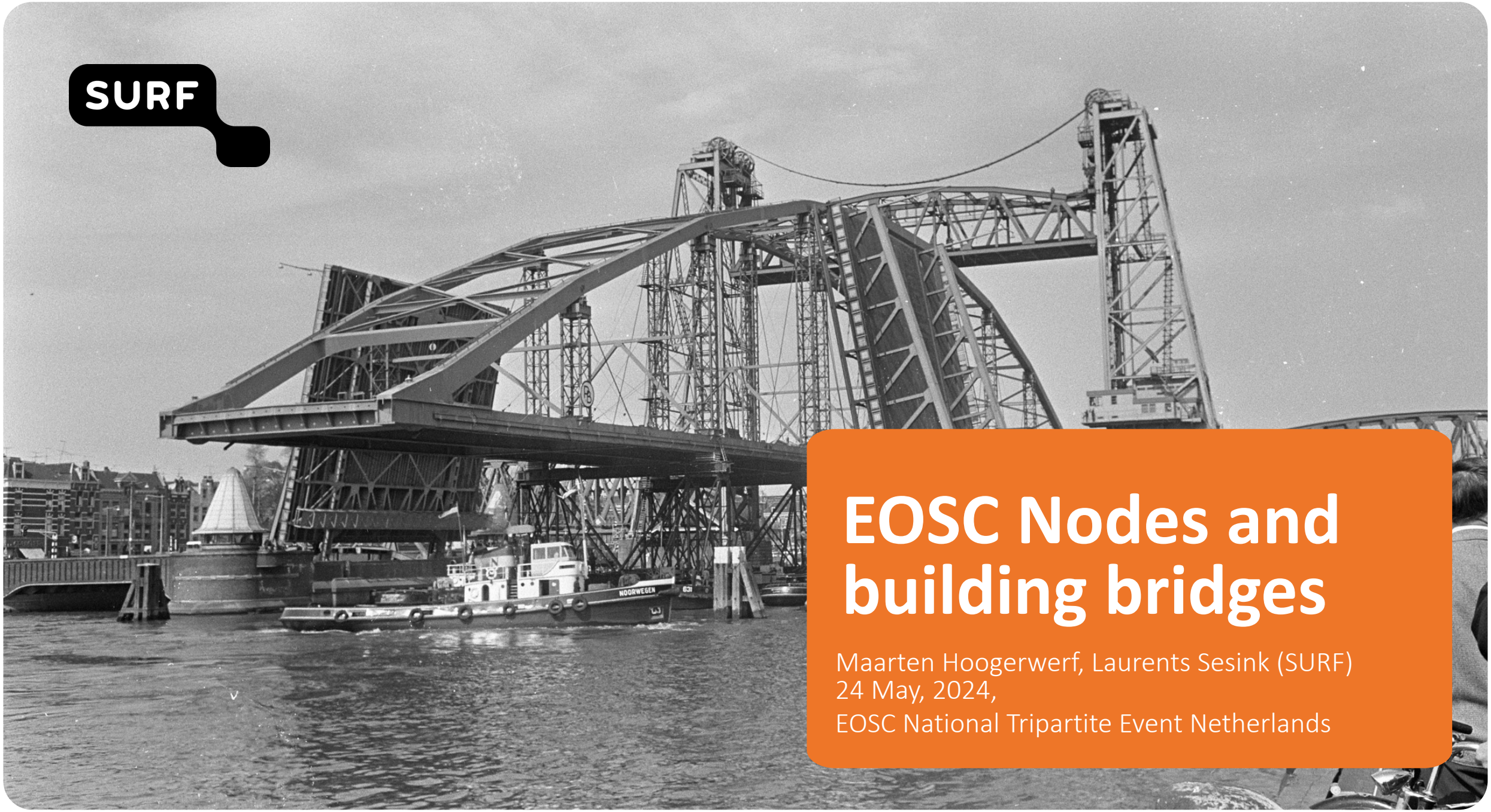


EOSC Nodes and building bridges

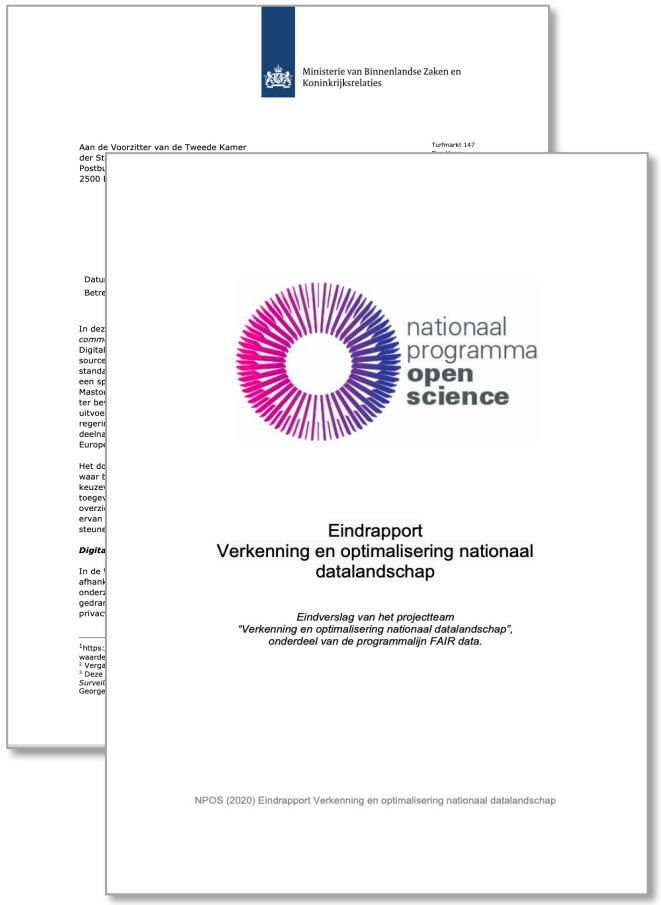
Maarten Hoogerwerf, Laurents Sesink (SURF)
24 May, 2024,
EOSC National Tripartite Event Netherlands

Current data landscape

“The Netherlands has a rich, but fragmented, confusing data landscape. This concerns both data services and the development and dissemination of knowledge about the care of research data. This creates risks of overlap, inefficiency and missing opportunities for connection and innovation.”

Final report Exploration and optimization of national data landscape (NPOS, 2020)

Developments (1/2) - National



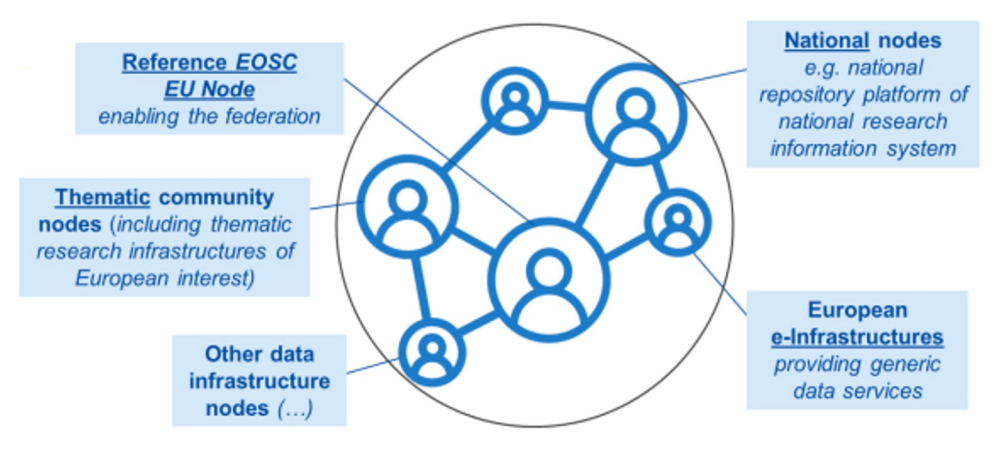
Final report Exploration and optimization of national data landscape (NPOS, 2020)

- "Form a national network of all data service providers and repositories (as 'National Open Science Cloud' or 'Commons' or 'Network') with the aim of greater coordination, overview and synergy."
- "Form an international hub for the transparent connection with the experience and expertise that is present and built up in a European and international context (EOSC, CODATA, GO-FAIR, RDA, WDS)."

Letter to Parliament on 'Digital Commons' (Van Huffelen, 2023)

- "Digital commons offer a suitable model for this <*to shape alternative technologies to reduce unwanted dependencies on non-values-driven providers*>. They provide a structure in which public values, democratic decision-making and (technological) sovereignty are placed centrally."

Developments (2/2) – International



nfdi Nationale Forschungsdaten Infrastruktur

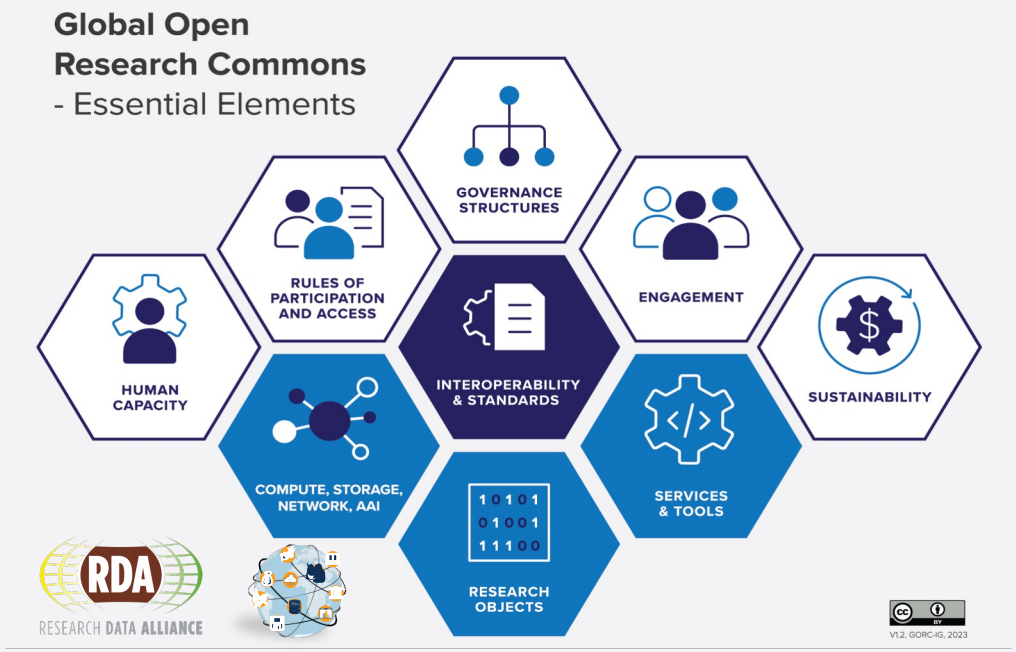
REASON
ResEArch commonS fOr Norway

elixir

egi

EOSC Federation

- EU Node, National Nodes, Thematic Nodes, European e-Infrastructures, Other data infrastructure nodes



RDA Working Group

- Goal: Interoperability between science clouds, by common definition, range and typology
- Result: A model with 9 essential elements, including **technical**, **social/human** and **interoperability**

Opportunity to connect the rich landscape to EOSC

- GORC can help us model our rich landscape, in order to connect and decrease confusion.
- The EOSC federation and node structure requested by EOSC is in line with our need to form a commons
- As a pilot node(s), we can investigate opportunities/bottlenecks, and drive the EOSC federation structure

Current Landscape: Dutch contribution to EOSC development

EOSC - Association

- NL members: DANS, TUDelft, UvA, UU, HealthRI, SURF.
- NL Mandated organisation: SURF
- EOSC-A Task Forces
  - TFs: FAIR, Semantic Interoperability, Data Stewardship, Upskilling, Research Engagement, AAI, Software quality, Technical Interoperability, Long-term data preservation
  - NL partners: DANS, DTL, NLeSc, UU, SURF, TU/e

EOSCsecretariat.eu
Setup and management of the EOSC Secretariat supporting the EOSC Governance

WORKING GROUPS

- Sustainability: UU
- Landscape: RUG
- FAIR: DTL
- RoP: UvA
- Architecture: WUR

Through e-infrastructures

EGI
EUDAT
GÉANT Networks • Services • People
OpenAIRE Open Access Infrastructure for Research in Europe

EOSC related projects

EOSCpilot The European Open Science Cloud for Research Pilot Project
EOSC-hub
EOSC FUTURE
EGI-ACE
DICE Data Infrastructure Capacity for EOSC
C-SCALE
ESCAPE European Science Cluster of Astronomy & Particle physics ESFRI research Infrastructures
GREAT Green Deal Data Space
FAIRSFAIR Fostering Fair Data Practices in Europe
CS3MESH4EOSC Connecting European Data
EOSC | FAIRCORE4EOSC
EOSC | FAIR-IMPACT Expanding FAIR solutions across EOSC
EOSC | ENTRUST European Network of Trusted Research Environments

Through Communities

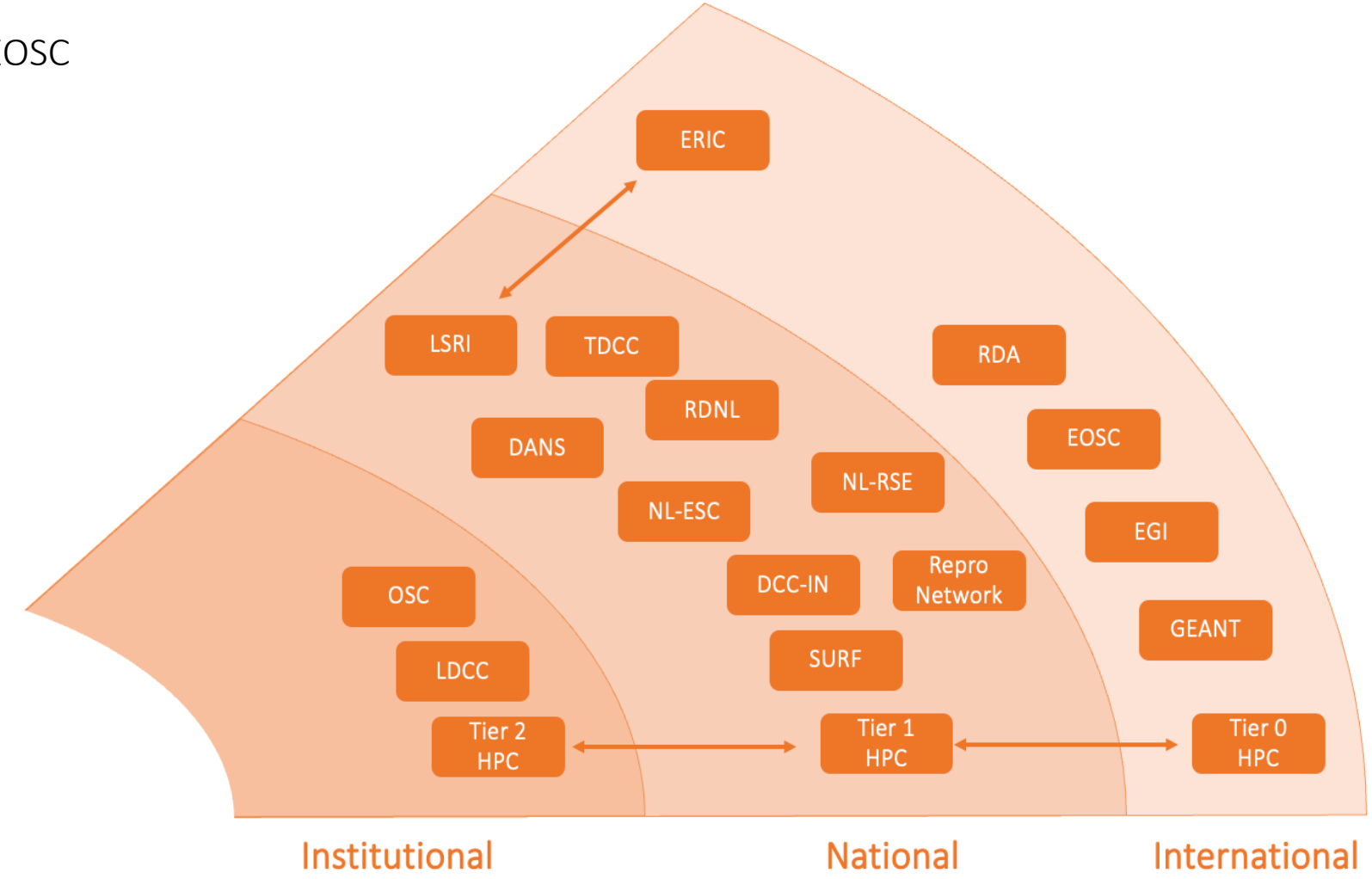
WLCG Worldwide LHC Computing Grid
CLARIN Common Language Resources and Technology Infrastructure
LOFAR
CompBioMed
we-nmr
EPOS EUROPEANPLATEOBSERVINGSYSTEM
elixir
SeaDataNet

Through NL organisations

Data Archiving and Networked Services DANS
SURF
Nikhef
netherlands eScience center
ASTRON
WAGENINGEN UNIVERSITY & RESEARCH
health RI enabling data driven health
KNMI
MARIS
university of groningen
Universiteit Utrecht
UNIVERSITEIT VAN AMSTERDAM
Deltares
CWI
TU/e

Current landscape: Institutional, national and int'l.

Simplified overview: many routes to EOSC



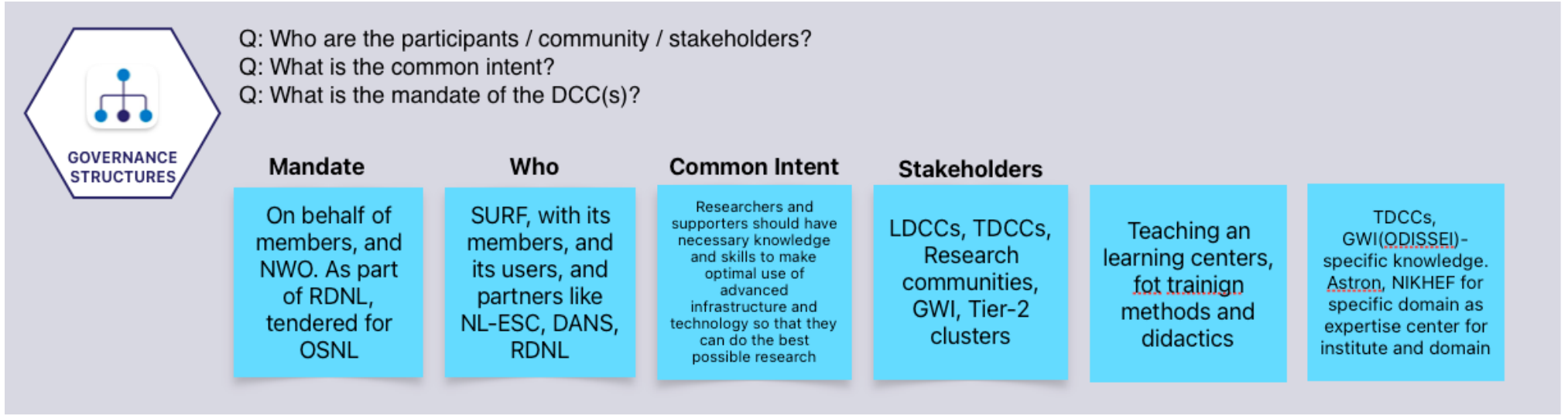
Initial landscape inventory using GORC

To support the node-discussion:

- Provide initial insight into who does what, so that we can identify what are bottlenecks, what are opportunities, and where we want to collaborate
- Try suitability of GORC model for inventory of landscape (common language)
- Focus on training & competences, (thematic) research infrastructure and e-infrastructure
- Start with inventory within SURF and few other organizations

Conducting the interviews

- 1st half to ask in general about the participants activities
- 2nd half more structured questions to fill in the blank elements



- Experience: Pleasant conversation, good coverage of the 9 elements. Additional questions lead to interesting discussions about aspects that had not been considered by the participants.

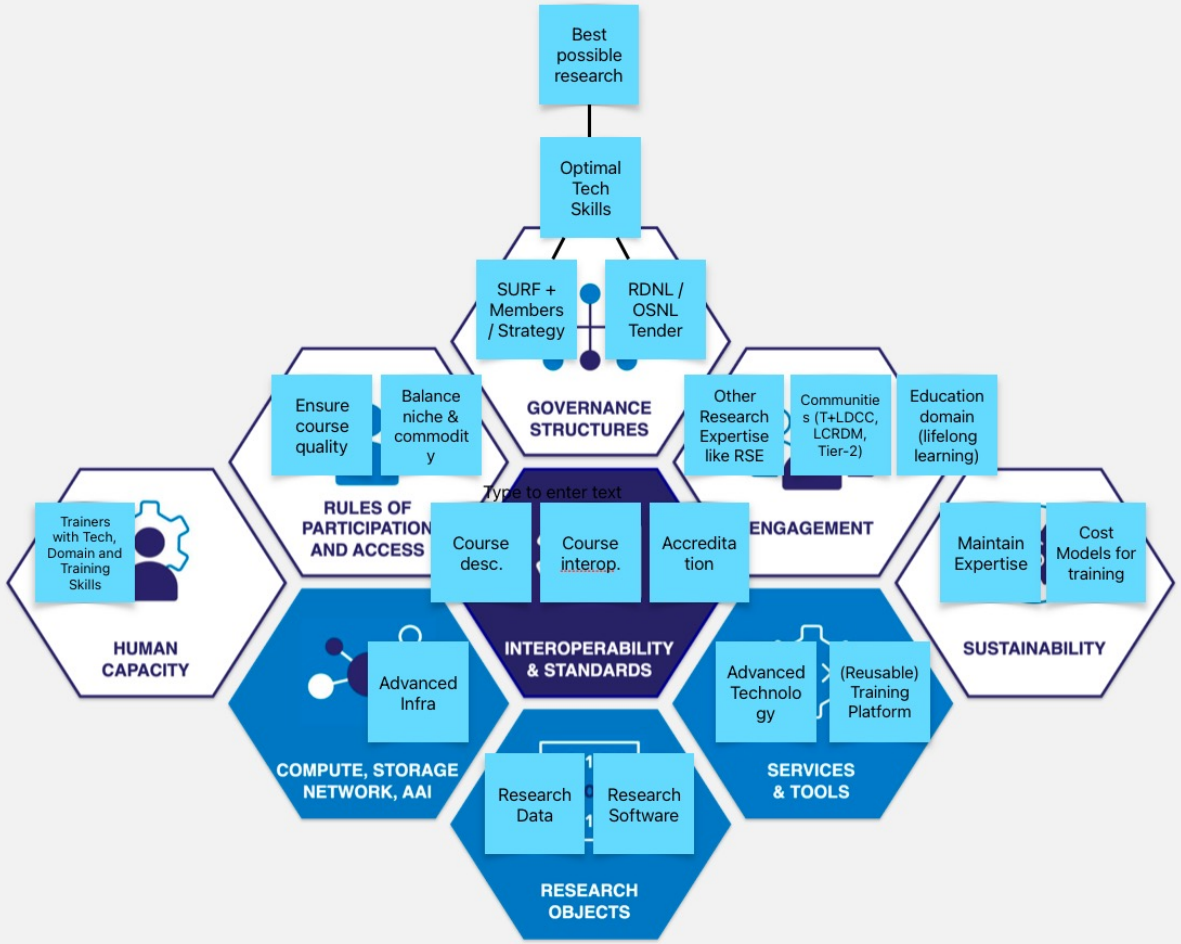
Results from the Interviews

Summarized output from each interview

- All elements, both technical and social ones, relevant for each activity, and related

Comparison between interviews

- Participants share activities on e.g. training
- Participants shate challnges on sustainability, engagement and human capacity
- Participants share common intent, though on different levels.

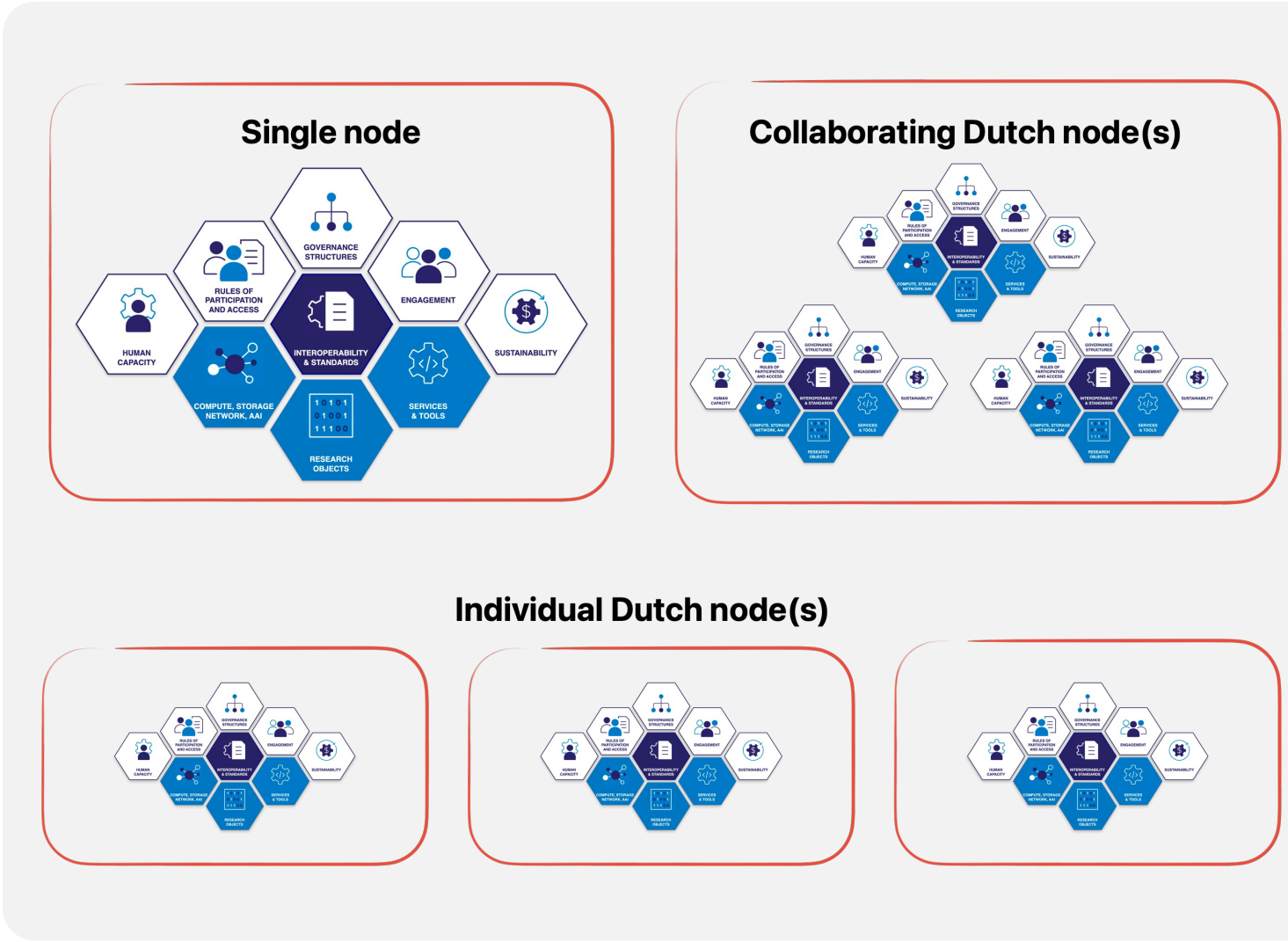


Towards a fully-fledged EOSC Federation

Tripartite Group, Supports the coordination and steering of:

- Minimal Requirements
- Pilot Node(s)
- EOSC Federation Handbook

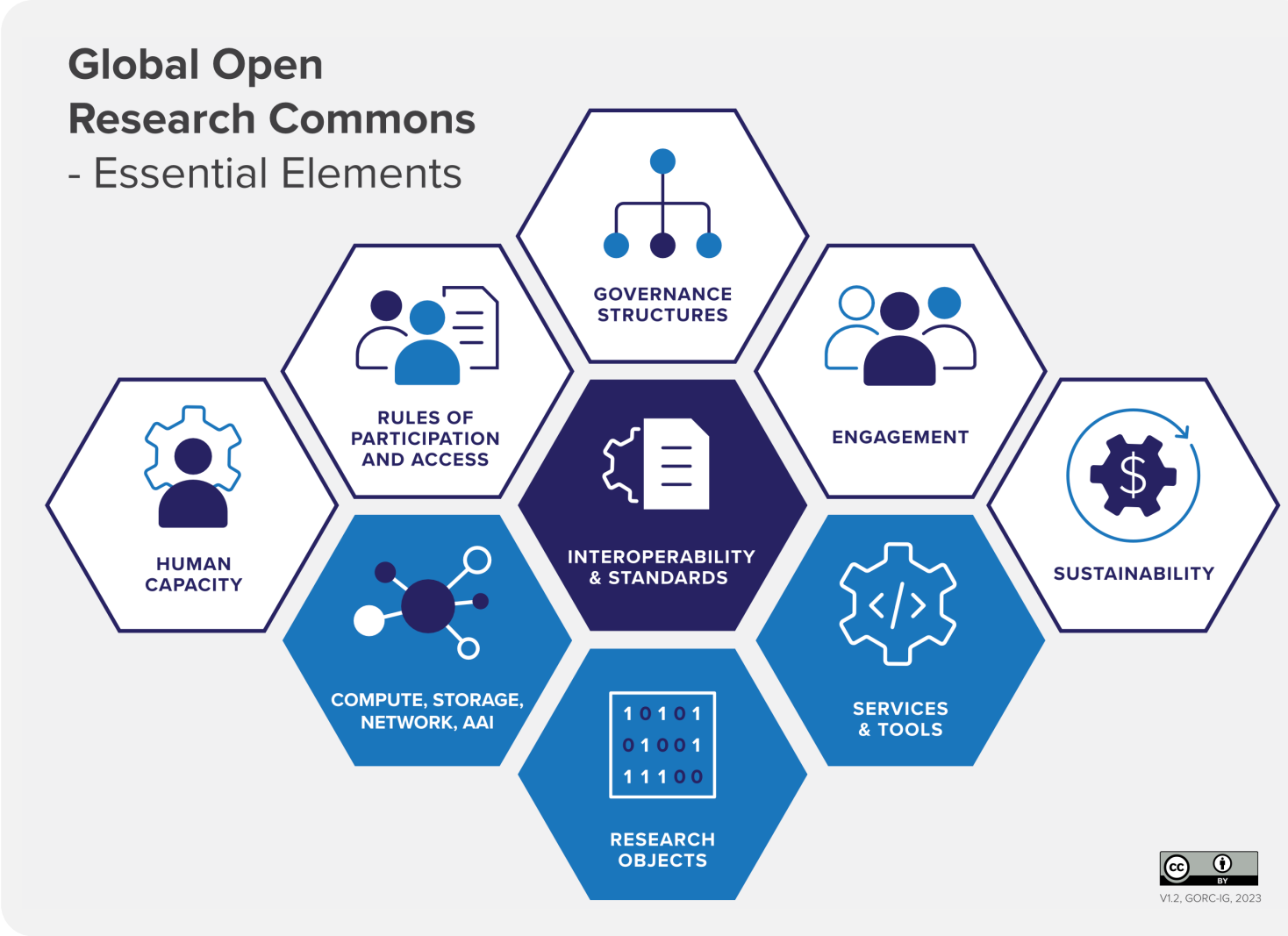
How to shape one or more Dutch pilot node(s)?



Towards a fully-fledged EOSC Federation

What should be included in one or more Dutch node(s)?

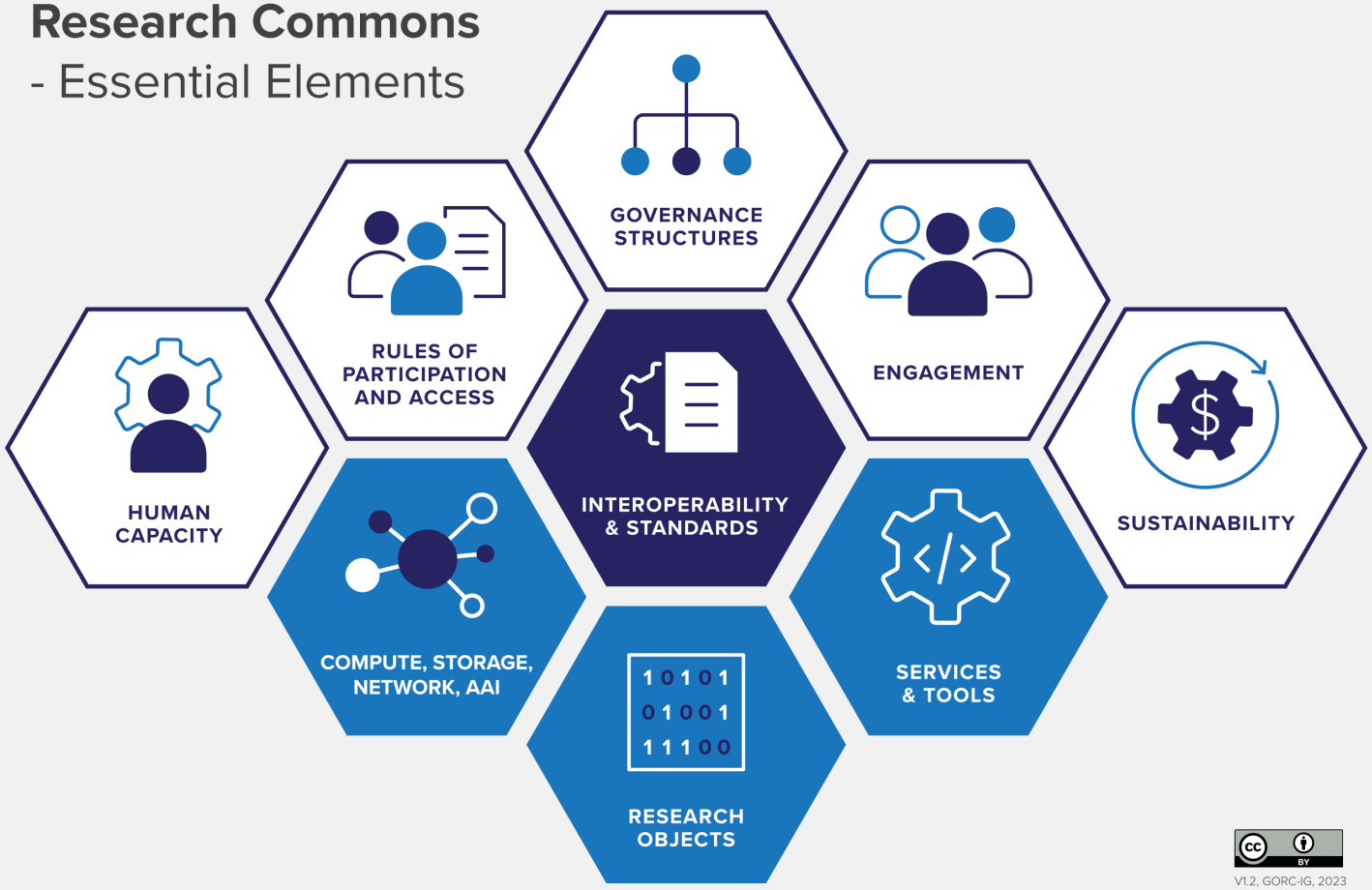
- Technical elements (blue)
- Social elements (white)



Break-out: How do you fit in one or more node(s)?

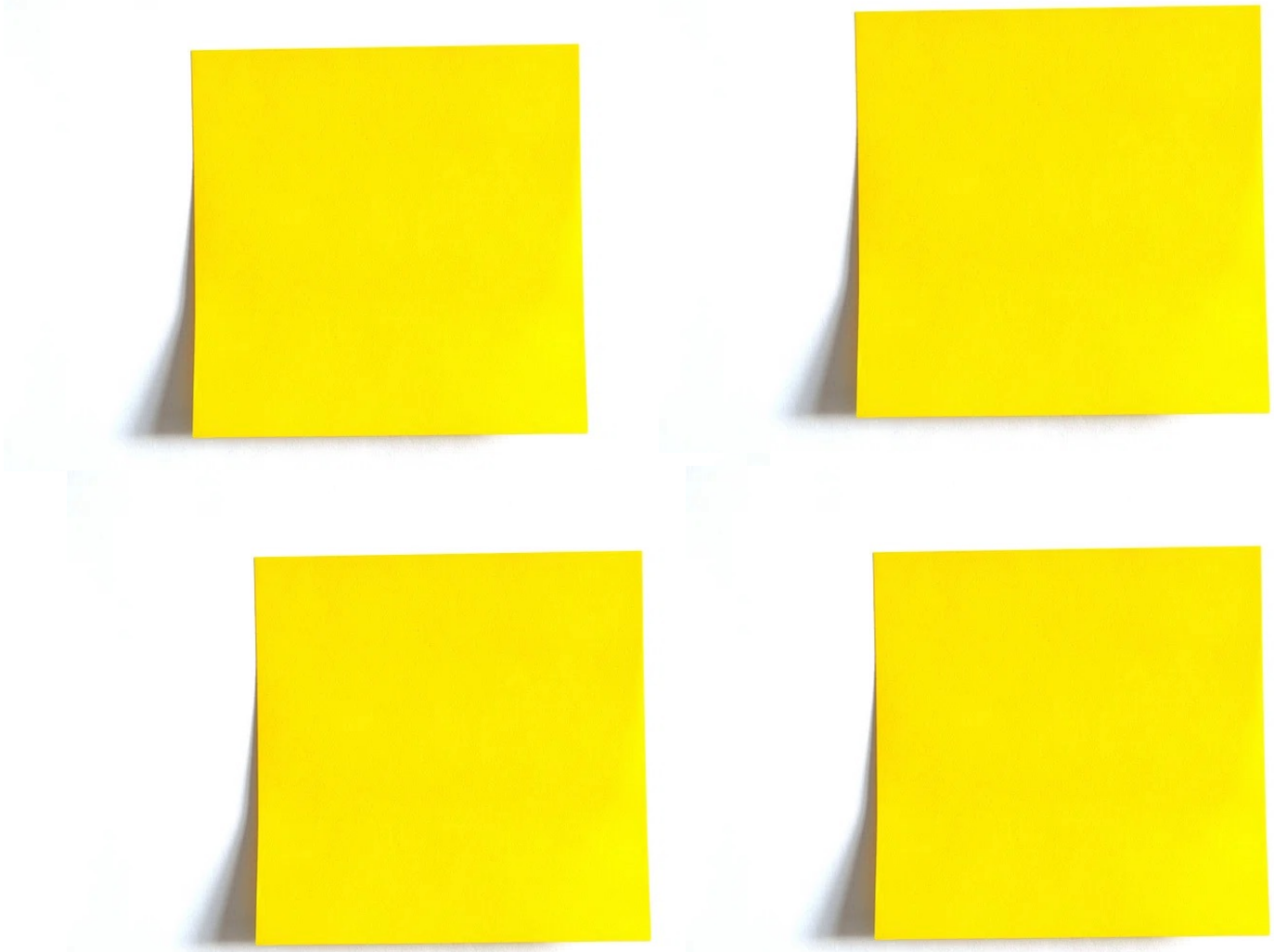
Discuss in 4 groups, each:

- What do you want to offer via a node to the EOSC federation?
- What is your main benefit and challenge to participate in a node in the federation of EOSC?
- Are the 9 essential elements of the GORC model useful to represent your offers (including both the technical and human/social aspects)?



Breakout - Report back

- Laurents Sesink
- Maarten Hoogerwerf
- Jennifer Lieuw
- Patrick Schelvis



Conclusion and Next Steps

Momentum

- Desire to connect fragmented landscape
- GORC as a means to compare / algin our activities, challenges, etc.
- EOSC pilot node as a *vehicle* to explore

Setup working group

- What can we offer
- Which node(s) scenario is most suitable
- Provide Dutch input to Tripartite Group
- Initiate & operationalize node(s)


SURF