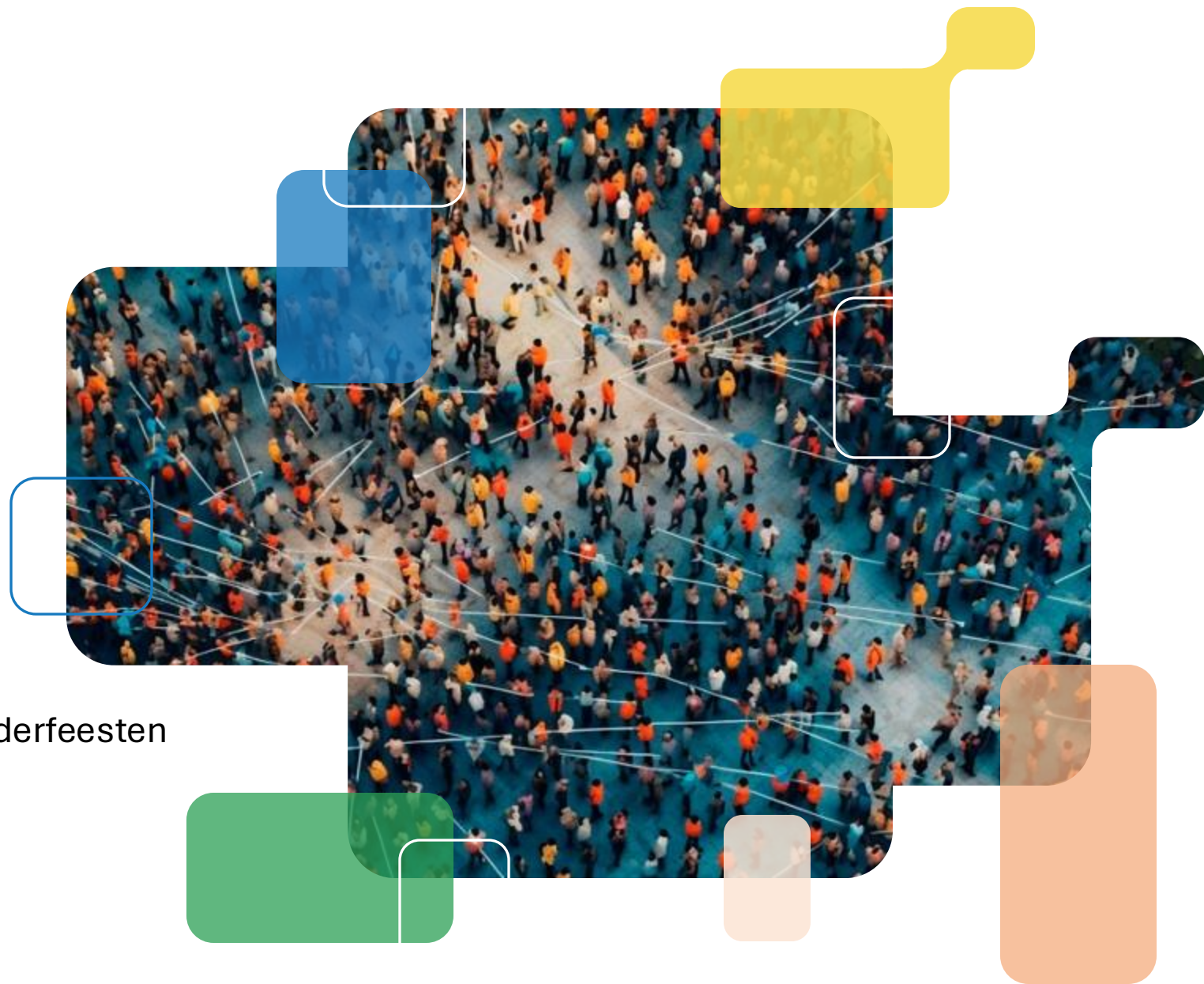# DURF and BROCCOLI Q&A

Eileen Waegemaekers and Maurice Vanderfeesten

16 December 2024

SURF

Agenda 6x

01
OSNL Infrastructure call

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Timeline

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Commitment

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DURF

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BROCCOLI

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Q&A

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Open Science Infrastructure

This call focuses on the development of digital infrastructures that support open science practices. It covers the entire spectrum of open science and is deliberately broad in scope to be inclusive of the community's diverse digital infrastructure needs.
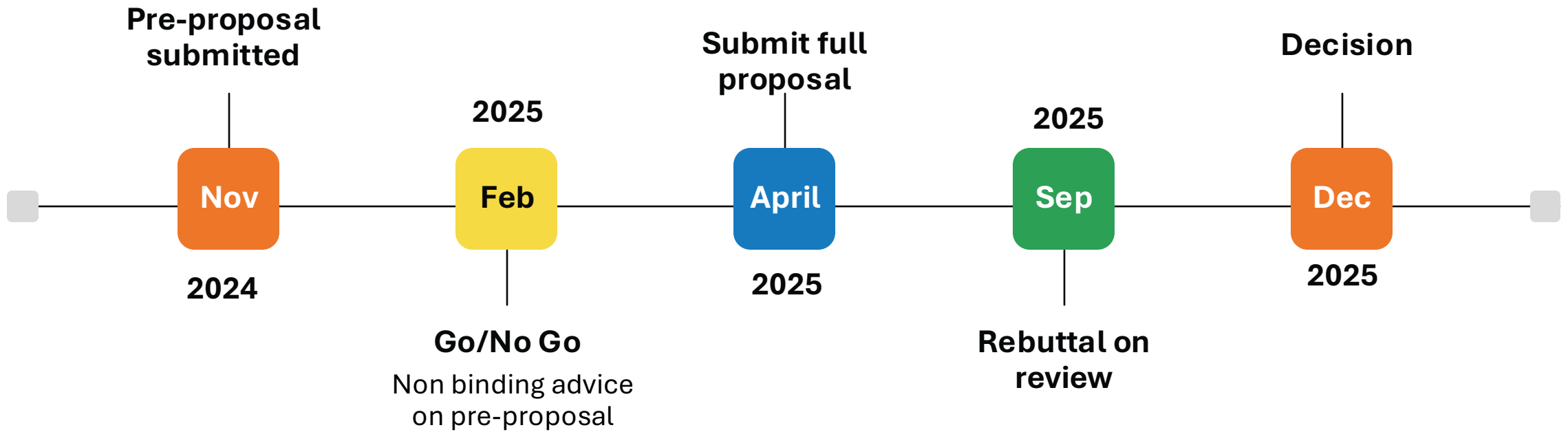
① **Explore**

② **Prepare**

What to apply for

Within this programme there are two types of applications:

- Application type 1: small projects for improvements and/or extensions of existing infrastructure, or pilots for setting up new infrastructure. Maximum funding of € 250,000 and maximum project duration 2 years;

- Application type 2: large projects for improvements and/or extensions of existing infrastructure. Minimum funding of € 250,000 and maximum funding € 1,500,000 and maximum project duration of 4 years.

The application must provide a detailed substantiation of all the costs for which funding is being requested. An outline of the different types of costs and an overview of eligible and ineligible costs for funding are given in section 7.1 of the Call for proposals.

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Timeline

Pre-proposal submitted

Nov
2024

2025
Feb

Go/No Go
Non binding advice on pre-proposal

Submit full proposal

April
2025

2025
Sep

Rebuttal on review

Decision

Dec
2025

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Endorsement

- Chiefs Open Science advice – Endorsement by rectors

"This pre-proposal is submitted on behalf of **all** universities and is unanimously endorsed by **all rectors**. It is seen as important for all Dutch knowledge institutions, fully in line with previously established national ambitions. In addition, the proposal is crucial as part of a national infrastructure to make Open Science widely and quickly applicable."

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Current participants

DURF

VU (Main), SURF, WUR, TUDelft, ULeiden, KB, DANS

BROCCOLI

SURF (Main), ULeiden, VU, EUR, WUR, TUDelft

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DURF

DUtch Repository Federation

Federated network of Dutch repositories and (C)RIS's

Objectives

- Promote digital sovereignty by long-term preservation
- Improve efficiency by optimizing and integrating existing components
- Strengthen trust in open metadata for better reuse and reporting
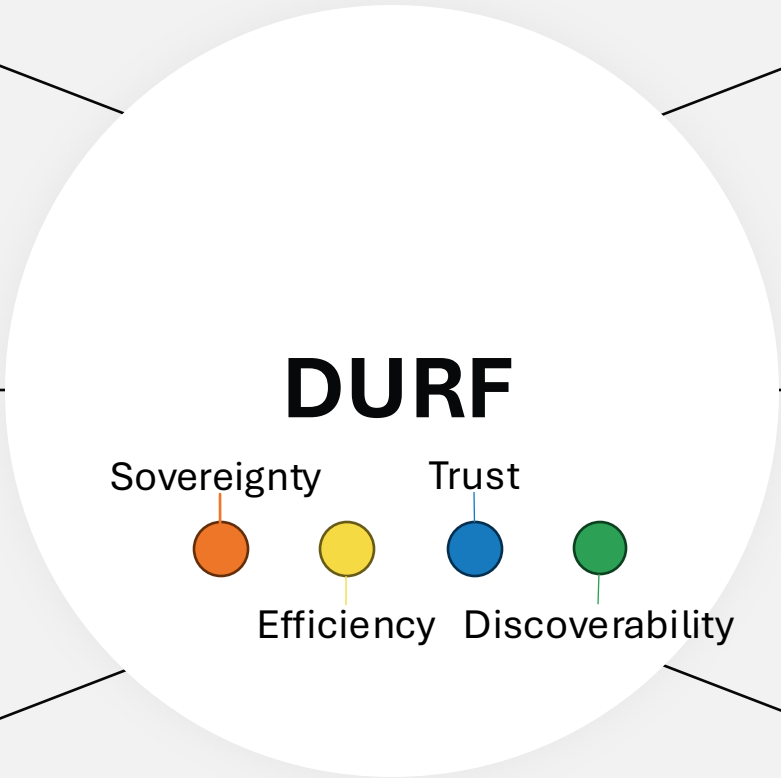- Enhance discoverability and accessibility of Dutch research

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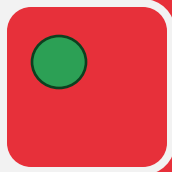
Research Information | Value Chain

Norms and Standards for Open Research Information

Suppliers of Open Research information

Infrastructure providers for collecting and harmonizing Open Research Information

Service providers making added value from Open Research Information

Users making use of added value Open Research Information

Governance of Open Research Information Netherlands

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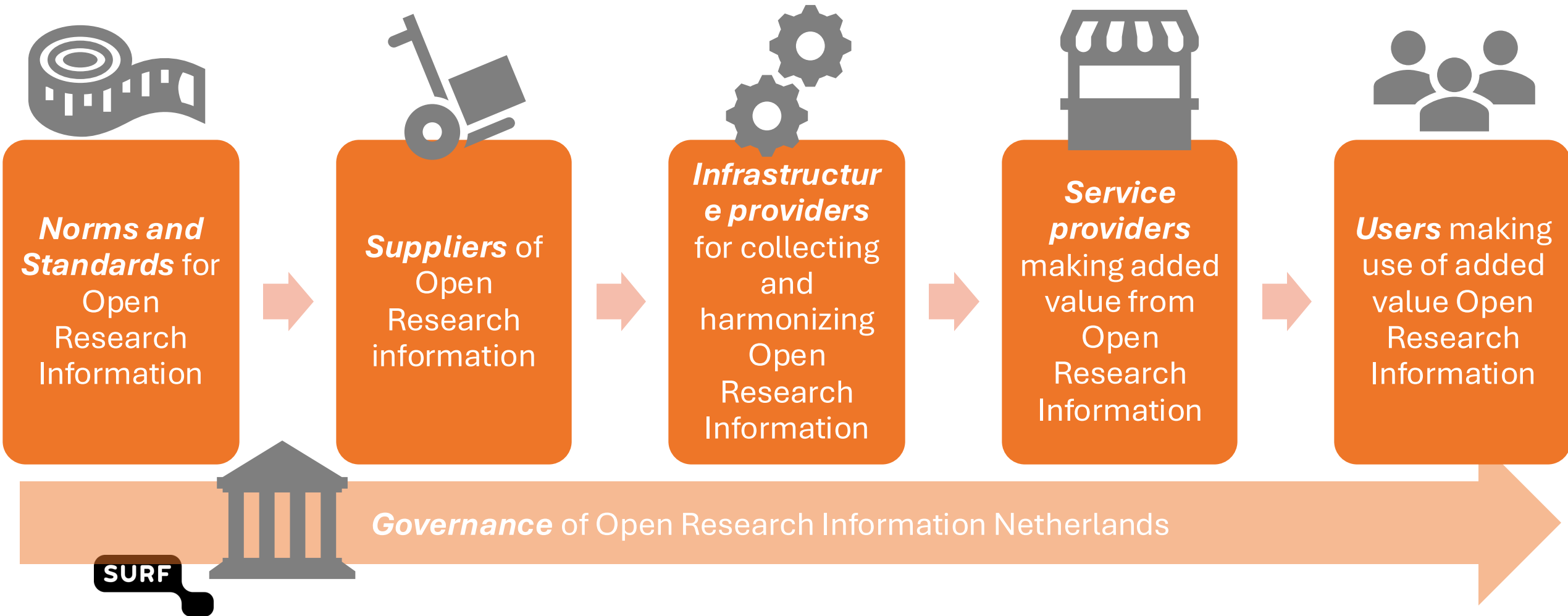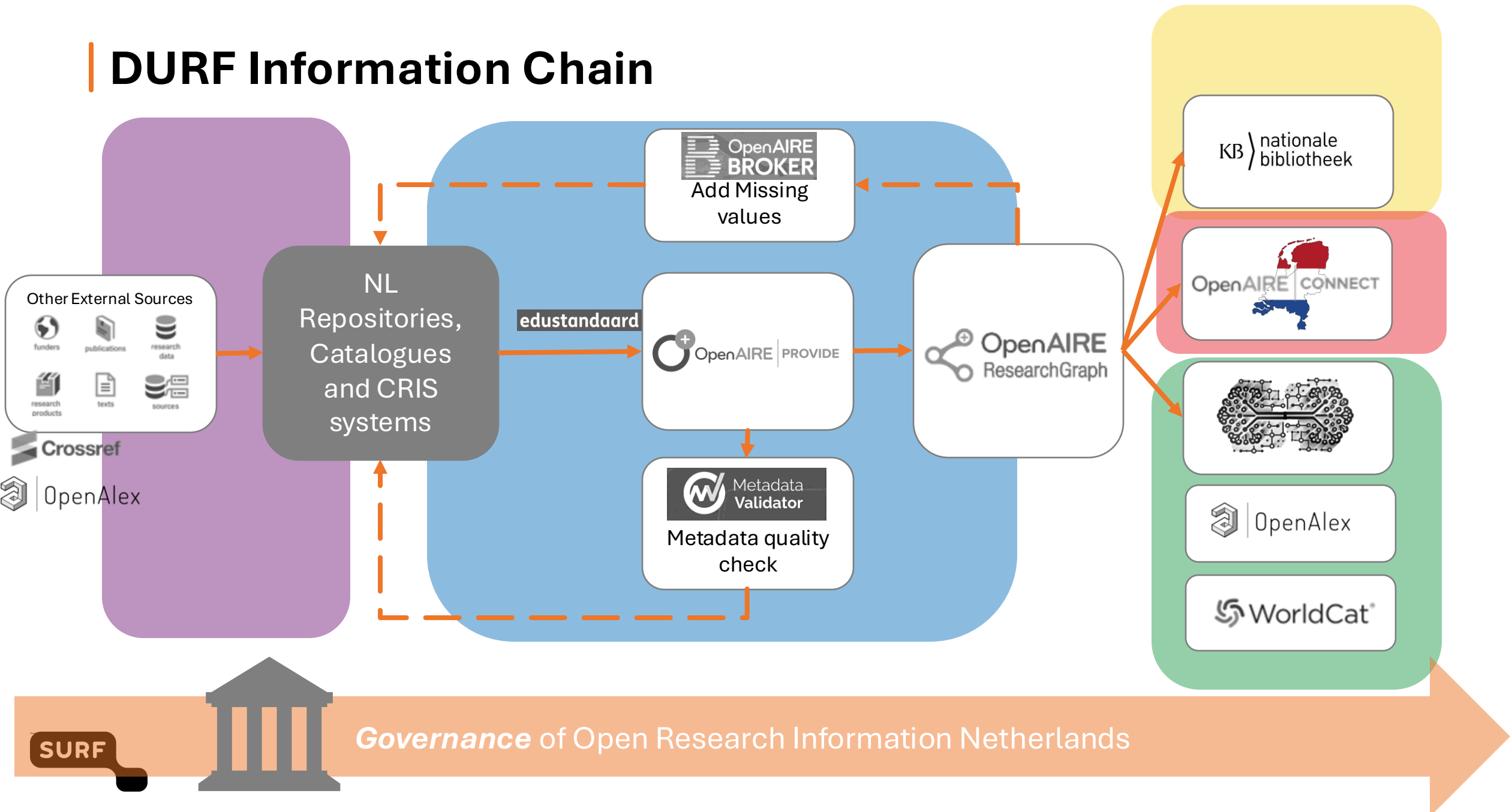
Team composition

Theme coordinators:

- Theme 1 : Alastair Dunning (TU Delft),
- Theme 2&5 : Rutger de Jong (Leiden University),
- Theme 3 : Cristina Huidiu (WUR),
- Theme 4 : Simone Kortekaas (KB National Library),
- Theme 6 : Naomi Wahls–van Gils (TU Delft)

Project support:

- Project lead: Maurice Vanderfeesten (VU/SURF),
- Project assistant: tbd (tbd);
- Information Architect: tbd (SURF);
- Legal advisor: tbd (SURF);
- Community/Communication advisor: tbd (SURF);

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Equally Sharing the Budget?

- 57 Dutch Research Performing Organisations (14 uni's, 7 UMC's, 36 UAS's)

- € 1.5M / 57rpo's = € 26.000 per RPO

- 26.000 / 4years = € 6.500 per year per RPO

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Budget

Type of costs	Short explanation	Costs	
Personnel costs	Project Lead (1,6FTE, scale 12, over 4 years.)	€	187.200
	Project Assistant (0,8FTE, scale 10, over 4 years.)	€	94.720
	Information Architect (1FTE, scale 12, over 2 years.)	€	149.200
	Legal Advisor (0,2FTE, scale 12, over 2 years.)	€	29.840
	6 Thematic coordinators (0,8FTE, scale 11, over 4 years.)	€	484.800
	Communication / Community advisor (0,8FTE, scale 11, over 4 years.)	€	108.160
	Subtotal (78% of request budget)	€	*1.053.920*
Other costs	Training, Catering, Facilitation	€	10.000
	Communication materials	€	15.000
	Engagement/Stimulation budget Theme 1	€	50.000
	Engagement/Stimulation budget Theme 2	€	50.000
	Engagement/Stimulation budget Theme 3	€	25.000
	Engagement/Stimulation budget Theme 4	€	25.000
	Engagement/Stimulation budget Theme 5	€	25.000
	Engagement/Stimulation budget Theme 6	€	25.000
	External Hire eg. open source developer (for o.a. validator, portal features, etc.)	€	100.000
	Subtotal (22% of request budget)	€	*325.000*
Total request from NWO		**€**	***1.378.920***
Non-eligible costs	OpenAIRE licenses	€	60.000
In kind costs	by SURF, total amount (extra overhead): by institutions – to be estimated.	€	111.440

BROCCOLI

BROCCOLI

A Dutch hub for healthy research information

Objectives

- increasing efficiency and (meta)data quality through:
  - shared open data products
  - collaborative data engineering
  - pooling of resources and expertise

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Project plan

WP 1: ORI User community

Building and managing an engaged user community of data users and providers

WP3: Technology platform

Build a robust, integrated technical architecture leveraging existing platforms and tools

WP2: Data curation and governance

Data governance, quality control and enrichment through rules of participation, curation teams , and enrichment service
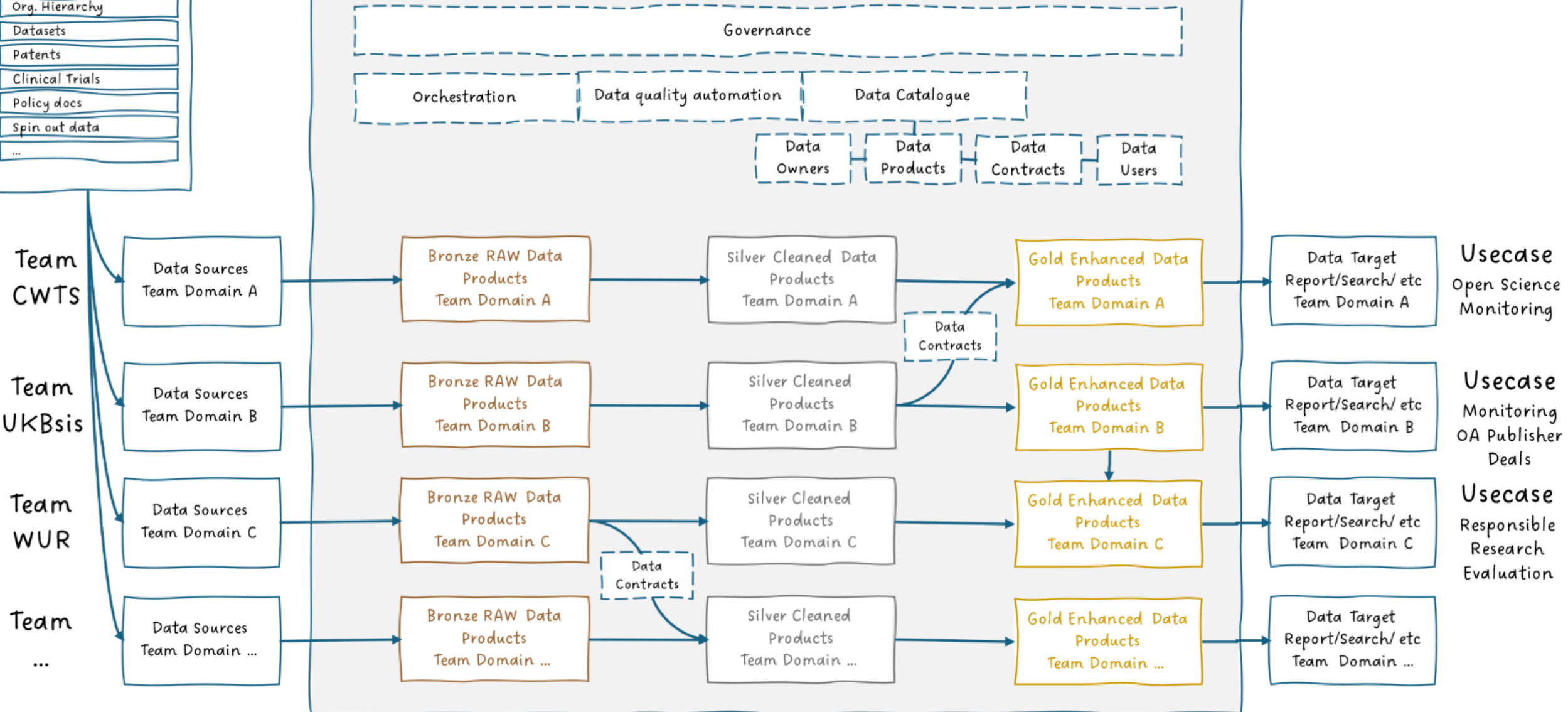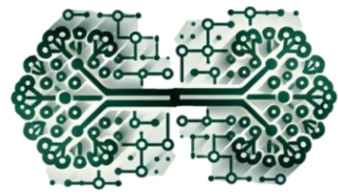
WP4: Project/product management

Governance plan, development roadmap, sustainability and business model

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Medallion Data Mesh Architecturefor:
NL Open Research Information Hub

Data Domains
- Funding Opportunities
- Funded grants - ext
- Publications
- Org. Hierarchy
- Datasets
- Patents
- Clinical Trials
- Policy docs
- Spin out data
- ...

Governance

Orchestration | Data quality automation | Data Catalogue

Data Owners — Data Products — Data Contracts — Data Users

Team CWTS
- Data Sources Team Domain A → Bronze RAW Data Products Team Domain A → Silver Cleaned Data Products Team Domain A → Gold Enhanced Data Products Team Domain A → Data Target Report/Search/ etc Team Domain A
- Usecase: Open Science Monitoring

Data Contracts

Team UKBsis
- Data Sources Team Domain B → Bronze RAW Data Products Team Domain B → Silver Cleaned Products Team Domain B → Gold Enhanced Data Products Team Domain B → Data Target Report/Search/ etc Team Domain B
- Usecase: Monitoring OA Publisher Deals

Team WUR
- Data Sources Team Domain C → Bronze RAW Data Products Team Domain C → Silver Cleaned Products Team Domain C → Gold Enhanced Data Products Team Domain C → Data Target Report/Search/ etc Team Domain C
- Usecase: Responsible Research Evaluation

Data Contracts

Team ...
- Data Sources Team Domain ... → Bronze RAW Data Products Team Domain ... → Silver Cleaned Products Team Domain ... → Gold Enhanced Data Products Team Domain ... → Data Target Report/Search/ etc Team Domain ...
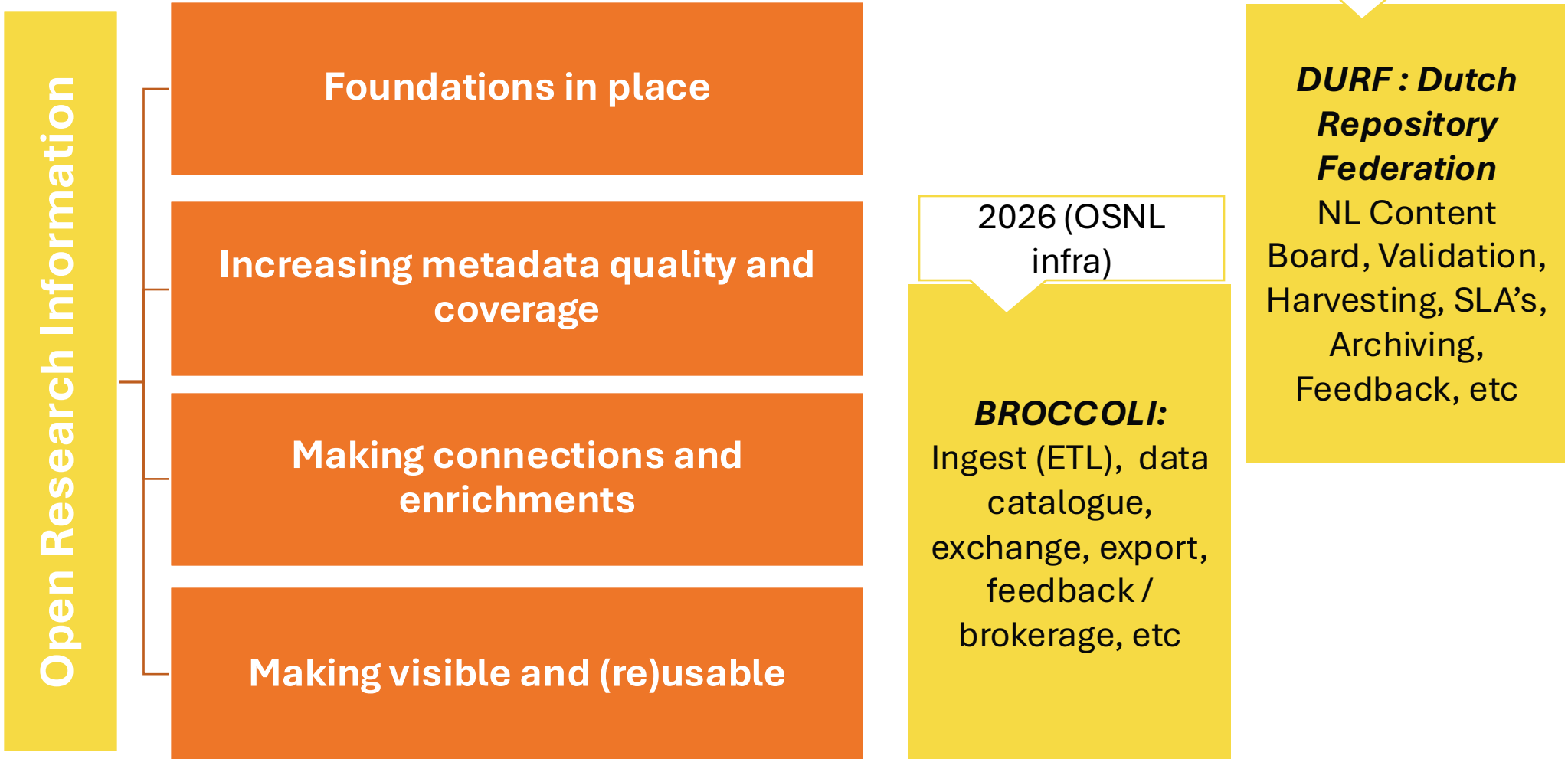
Team composition

- **WP1: ORI User Communities** Tung Tung Chan (EUR strategy advisor, board member RINN, Coordinating WP1), Thed van Leeuwen (CWTS; Coordinating responsible evaluation and OS monitoring), Arjan Schalken (UKB, Coordinating monitoring publisher deals), Maaike Koperdraad (UKB, user experience dashboards)

- **WP2: Data Governance and Curation**; Arjan Schalken (UKB; Coordinating data governance), Nees Jan van Eck (CWTS; Coordinating data orchestration and curation), Maaike Koperdraad (UKB, data quality), Martijn Visser (CWTS, data engineering)

- **WP3: Technology Platform**; Menno Grijpma (SURF; Tech Consultant), Cristina Huidiu (WUR; Product manager), Maarten Hoogerwerf (SURF; Architect), Bram van den Boomen (CWTS, DevOps)

- **WP4: Project/Product Management**; John Doove / Eileen Waegemaekers / Maurice Vanderfeesten (SURF; Project lead), Naomi Wahls-van Gils (TU Delft; Governance plan).
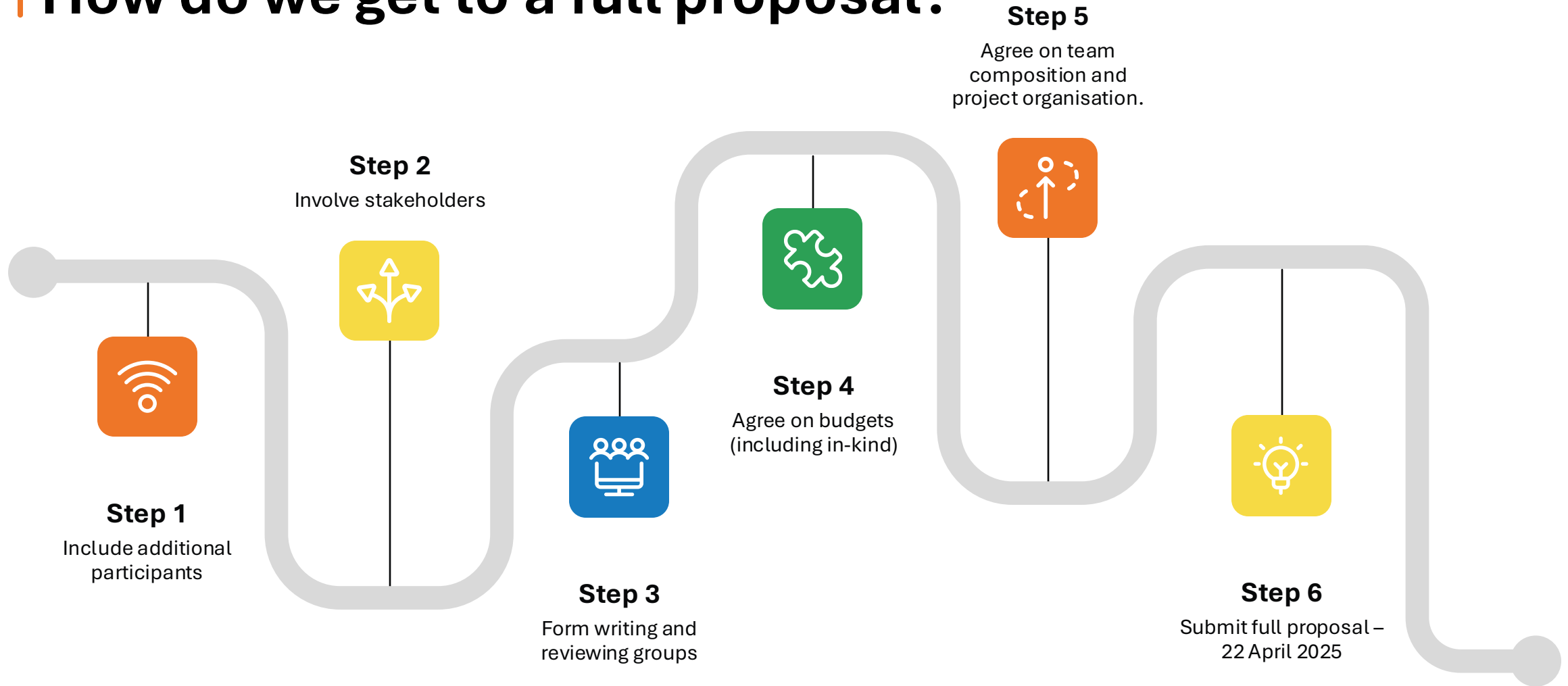
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Budget

Type of costs	Short explanation	Costs
Personnel costs	WP1: Community Coordinator (0,8FTE, scale 12, over 4 years)	€ 101.100
	WP1: Usecase expert responsible research evaluation & open science monitoring (0,4FTE, scale 12, over 4 years)	€ 54.300
	WP1: Usecase expert publisher deals monitoring (0,4FTE, scale 12, over 4 years)	€ 54.300
	WP1: UX expert (0,8FTE, scale 11, over 4 years)	€ 88.300
	WP2: Data governance coordinator (0,8FTE, scale 12, over 4 years)	€ 101.100
	WP2: Data orchestration & curation coordinator (0,8FTE, scale 12, over 4 years)	€ 101.100
	WP2: Data quality curator (2FTE, scale 10, over 4 years)	€ 183.500
	WP2: Data engineer (2FTE, scale 10, over 4 years)	€ 183.500
	WP3: Product manager (0,8FTE, scale 12, over 4 years)	€ 101.100
	WP3: Dev/Ops (2FTE, scale 12, over 4 years)	€ 241.500
	Subtotal (81% of request budget)	€ 1.209.800
Other costs	IT costs (Cloud storage, licenses)	€ 170.000
	Training, Catering, Facilitation	€ 10.000
	Communication materials	€ 15.000
	External hire (eg. UX, Consultancy)	€ 95.000
	Subtotal (19% of request budget)	€ 290.000
Total request from NWO		*€ 1.499.800*

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How: Program lines | Projects

Open Research Information

- Foundations in place
- Increasing metadata quality and coverage
- Making connections and enrichments
- Making visible and (re)usable

2026 (OSNL infra)

BROCCOLI: Ingest (ETL), data catalogue, exchange, export, feedback / brokerage, etc

2026 (OSNL infra)

DURF : Dutch Repository Federation NL Content Board, Validation, Harvesting, SLA's, Archiving, Feedback, etc

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How do we get to a full proposal?

Step 1

Include additional participants

Step 2

Involve stakeholders

Step 3

Form writing and reviewing groups

Step 4

Agree on budgets (including in-kind)

Step 5

Agree on team composition and project organisation.

Step 6

Submit full proposal – 22 April 2025

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Q&A