

Cristin in the Norwegian research landscape

euroCRIS membership meeting

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Unit – The Norwegian directorate for ICT and Joint Services in Higher Education & Research



Talking points

- Cristin
- What's new
 - New platform for searching, registering and editing
 - New and updated REST-API
 - DUCT: timesaver on many levels
- Work in progress
 - National repository
 - Reuse of data - need for authoritative registers
 - New indicator for clinical health trials



Cristin

- One national system
- Accessed locally through institutional login
- Collaboration on the same meta data post
- Super users at each institution responsible for correct and complete registration of all scientific publications



Norwegian publication indicator

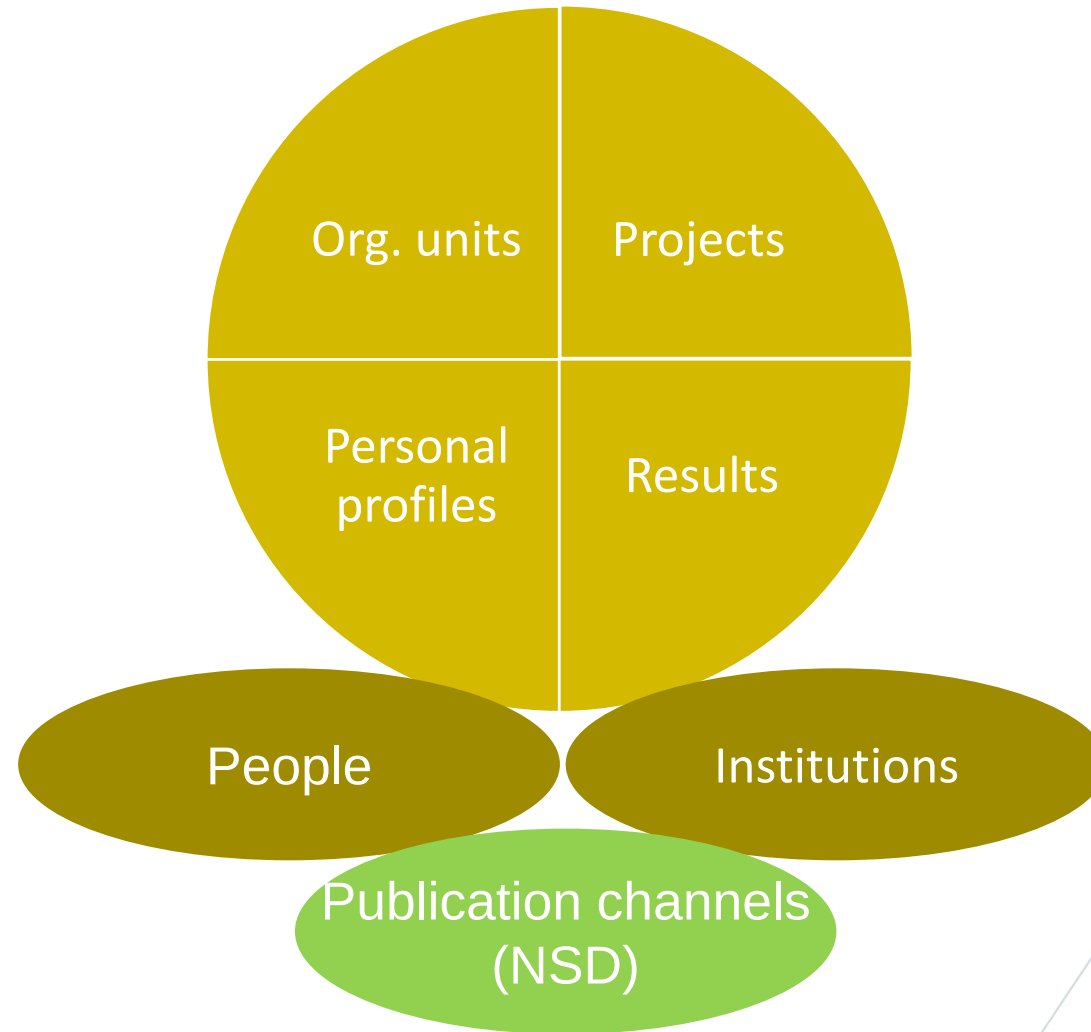
Publication type	Level 1	Level 2
Monograph	5	8
Article in periodical or series	1	3
Article in anthology	0,7	1

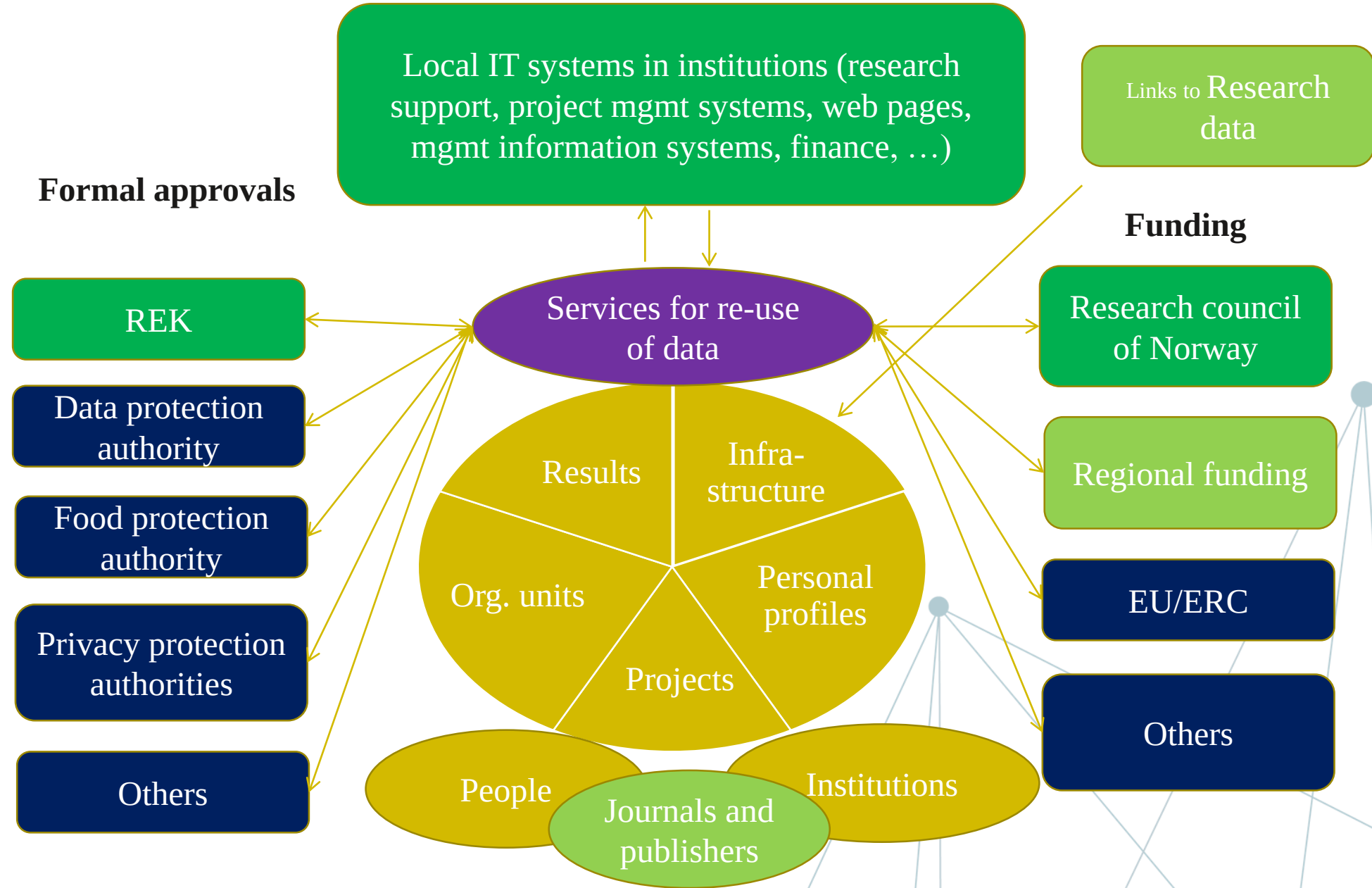
- Multiplier for international collaboration
- Possible changes in the indicator
 - Introducing incentive for open access publication?



More than scientific publications

130 (206)
member
institutions
(2019)





What's new?

- New application
 - New REST-API
 - New API-integration with the register for scientific journals
 - Development of new indicator for clinical trials
 - National repository
- New member institutions
 - ABM- sector
 - Statistics Norway
 - Norwegian geological survey
 - Norwegian Polar Institute
 - Simula Research



Cristin/Cristin 2

Current web application is being rewritten

Goals: More time for research & more efficient research administration

- ✓ Phase 1: New search engine and layout: show results, projects and people
- ✓ Phase 2: Register and edit results + REST API for results
- Phase 3: Report scholarly publications
- Phase 4: New import functionality for publications
- Phases ++



Old vs New

Cristin Current Research Information System In Norway

English version

Espen Sandee Karlsten
CRISTIN

Logg ut
Hovedside
Forskningsresultater/NVI
Registrer resultat
Importer publikasjoner
Hurtiglite personer
Hurtiglite tidsskrifter
Hitt forfatternavn
Søk i resultater
Hjelp til resultater
Hjelp til hurtiglite
Forskere
Prosjekter
Forskningsenheter
Aransportering
Tilgang
Rapporter
Autentifikasjon
Administrasjon
Om Cristin

Forskningsresultater

Avansert søk | Sortering: Person | Tittel

Postnummer

Tittel

Person

Ar

Enhet

Kategori

Språk

Vitenskapsdisiplin

Vit. disiplin

Forskningsaktivitet

Helsekategori

Presentasjon

Prosjekt

CRISTIN Current Research Information System In Norway

Søk etter prosjekter, resultater og personer

Alle typer (1 675 127)

Prosjekt (20 389)

Person (78 562)

Resultat (1 576 176)

1 - 10 av 1 576 176 | Neste | Siste »

Sorter etter: Relevans

Nullstill søk

INSTITUSJON

Universitetet i Oslo (340 308)

Norges teknisk-naturvitenskapelige universitet (293 885)

Universitetet i Bergen (196 124)

Vis flere

SEKTOR

Universitet og Høgskoler (1 351 665)

Instituttsektoren (186 287)

Helsesektoren (71 801)

KATEGORI

Vitenskapelig foredrag (324 469)

Vitenskapelig artikkel (321 706)

Vitenskapelig Kapittel/Artikkel/Konferanseartikkel (114 450)

Vis flere

Genetic analysis of trehalose utilization in *Rhizobium meliloti*.

Jensen, John Beck; Nilsen, Gerd; Peters, N. Kent. 1998, 8th International Symposium on Microbial Ecology. UIT

Poster

Incorporation of Pt(II)-sites in 3D metal-organic frameworks, compounds designed for C-H activation.

Szeto, Kai Chung; Hafizovic, Jasmina; Krivokapic, Alexander; Jakobsen, Søren; Olsbye, Unni; Tilset, Mats; Lillerud, Karl Petter. 2007, EuropaCat VIII. UIO

Poster

Troen på en rettferdig verden og inntrykk av lovbytere.

Torvik, Fartein Ask; Hansen, Mariann; Nilsen, Wendy. 2006, 8th Conference on Social and Community Psychology. NTNU

Poster

Determination of opiates in whole blood by liquid chromatography ion spray tandem mass spectrometry.

Karinen, Ritva Anneli; Hasvold, Inger; Ripel, Åse; Hopen, Anita Braute; Christophersen, Asbjørng S.. 2007, The international association of forensic toxicologists. FHI

Poster

Single measurements are not sufficient to reliably reveal effects of interventions on subjective health complaints.

Steingrimsdóttir, Ólöf Anna; Vøllestad, Nina Kapke; Røe, Cecilie; Knardahl, Stein. 2003, Pain in Europe IV. Europe against pain, don't suffer in silence. STAMI, FHI, UIO

Poster



RESOURCES	
	
Current API version: 2.3.8	
	Table of Contents
Subject	Description
Filtering on language	Using the lang parameter
Search and sort	Using the search and sort parameters
Total count of items	The X-Total-Count header
Pagination	Using the pagination parameters
Resource	Description
GET biobanks/{parameters}	Search for biobanks
GET biobanks/{id}	Retrieve biobank by id
POST biobanks 	Create a biobank
PATCH biobanks/{id} 	Modify an existing biobank
GET biobanks/materials	Show list of all valid biobank material codes
GET institutions/{parameters}	Search for institutions
GET institutions/{id}	Retrieve institution by id
GET persons/{parameters}	Search for persons
GET persons/{id}	Retrieve person by id
GET persons/{id}/results	Retrieve results by person id
GET projects/{parameters}	Search for projects
GET projects/{id}	Retrieve project by id
POST projects 	Create a project
PATCH projects/{id} 	Modify an existing project
GET projects/{id}/datasets	Retrieve project datasets by project id
POST projects/{id}/datasets 	Create a dataset for a project
PUT projects/{id}/datasets 	Update the whole collection of datasets for a project
GET projects/participants/roles	Show all valid project participant roles (role codes)
GET results/{parameters}	Search for results
GET results/{id}	Retrieve result by id
GET results/{id}/chapters	Retrieve result's chapters by result id, applicable only for books with chapters
GET results/{id}/contributors	Retrieve result's contributors by result id
GET results/categories	Show list of all valid result category codes
GET units/{parameters}	Search for units
GET units/{id}	Retrieve unit by id
GET units/{id}/results	Retrieve results by unit id

New and updated REST-API

- Lists of publications for local website
- Reporting to the research council
- REK (regional ethical committees)
- Real time data



You've made Crist-IN, now make Crist-OUT

- «DUCT» (Data from Cristin using Tableau Server)
- Timesaver on many levels!

60+ institutions in all sectors have access to

- standardized reports & visualizations
- create custom reports based on the data sources in DUCT

In addition:

- Ad hoc data deliveries from Cristin
- API-service

Use cases:

- NVI-monitor
 - During control: check-lists, progress, data quality etc
 - Easy access to reported NVI-data
- OA-monitor
- Increased demand for more (and more) standard reports and visualizations



OA-monitoring in DUCT

Total

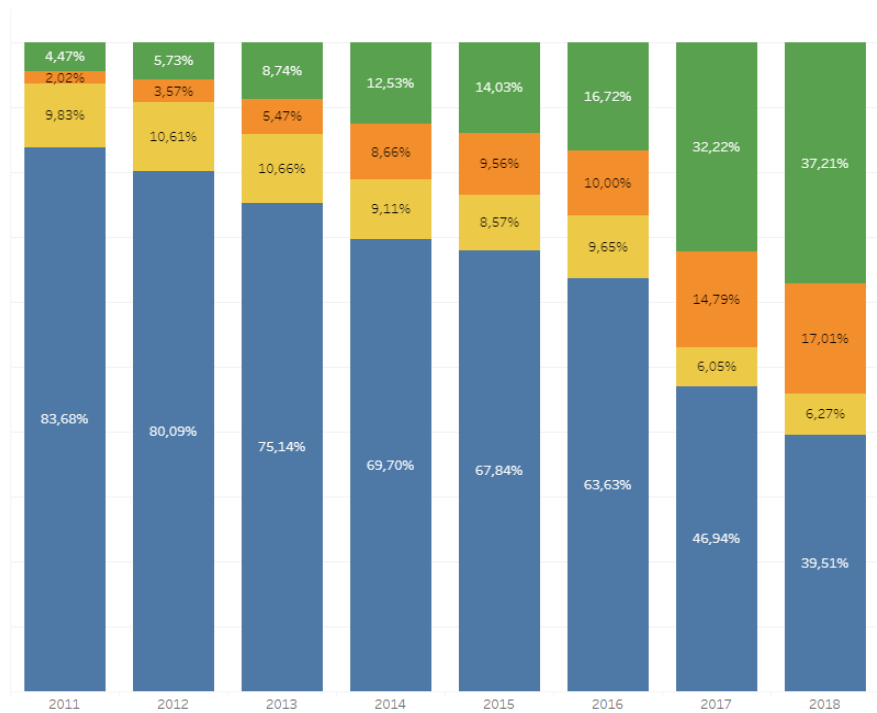
Status Open Access - Prosentfordeling antall publikasjoner

Det vises prosentandel av spesifisert mengde av publikasjoner per år

Open Access status måles for vitenskapelige artikler (ISSN)

"Ikke relevante poster" i denne sammenhengen er monografier og antologikapitler

Med "deponert" menes poster som er lastet opp til arkiv via Cristin av minst en av de deltakende institusjoner på posten.



Financed by RCN

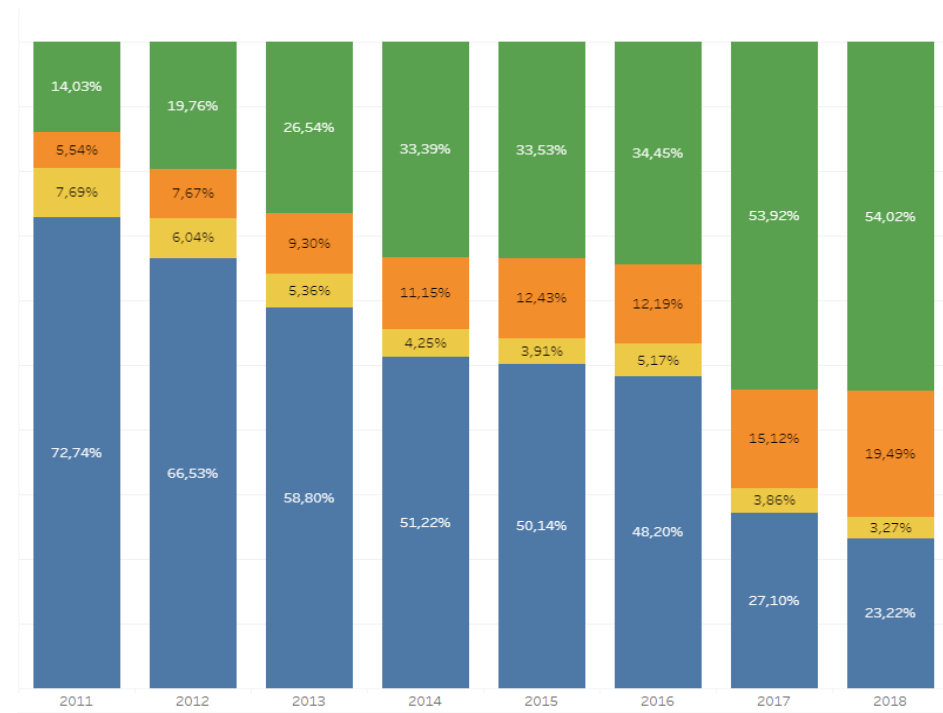
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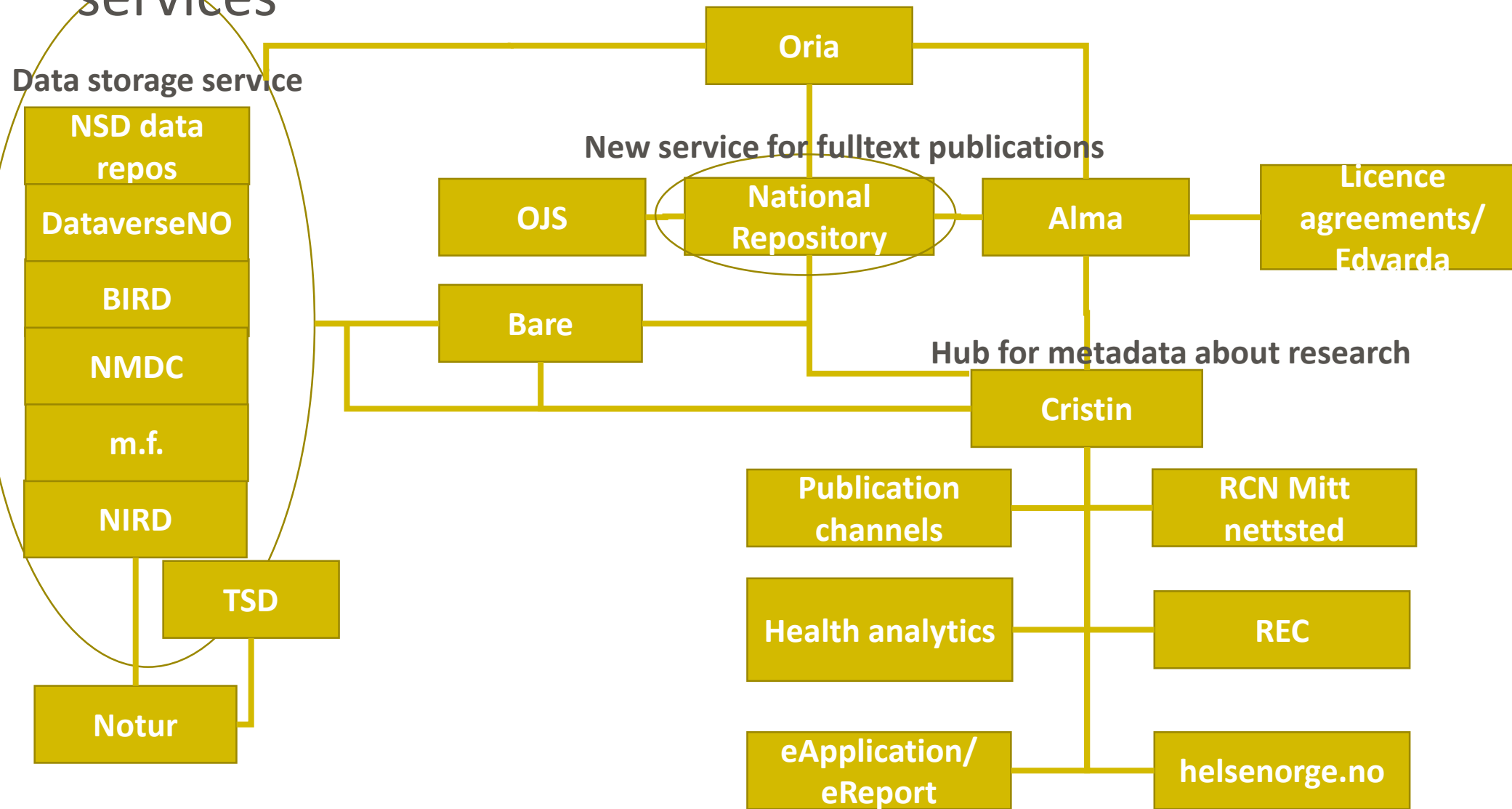


Work in progress - National Repository

- A strong need for a national repository in Norway
 - Funding for a pilot project in 2019
- From Plan S:
 1. *Publish in Open Access journal or platform*
 2. *Deposit in a Plan S compliant repository and make available immediately*
 3. *Publish in subscription journal under transformative agreement*



Future possible outcome: three key elements for research services



Need for master data sources

- For:
 - Projects
 - Persons
 - Organizational units
- Improved flow of metadata = reduced manual work
- Increased quality of data = reduced scope for (manual) quality assurance



Work in progress - Reporting on clinical trials

- **Strong political signals** for more clinical trials and to give more patients the possibility to participate
- Ministry of Health and Care Services wishes to introduce an indicator that contributes to this goal
- This would for the first time make visible the extent of clinical trials and the number of patients recruited
- Unit Coordinates this reporting based on data from REC (in the future through Cristin)



Work in Progress - Integration with REC

- Import approved health projects from REC (since 2017)
 - Fulfill legal requirements easier
 - Recruit patients for clinical studies
- <https://app.cristin.no/projects/show.jsf?id=569953>
- Ongoing reporting: Report clinical trial based on data from Cristin/REC



Questions?

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