Managing data quality in Cristin and the Norwegian Publication Indicator (NPI)

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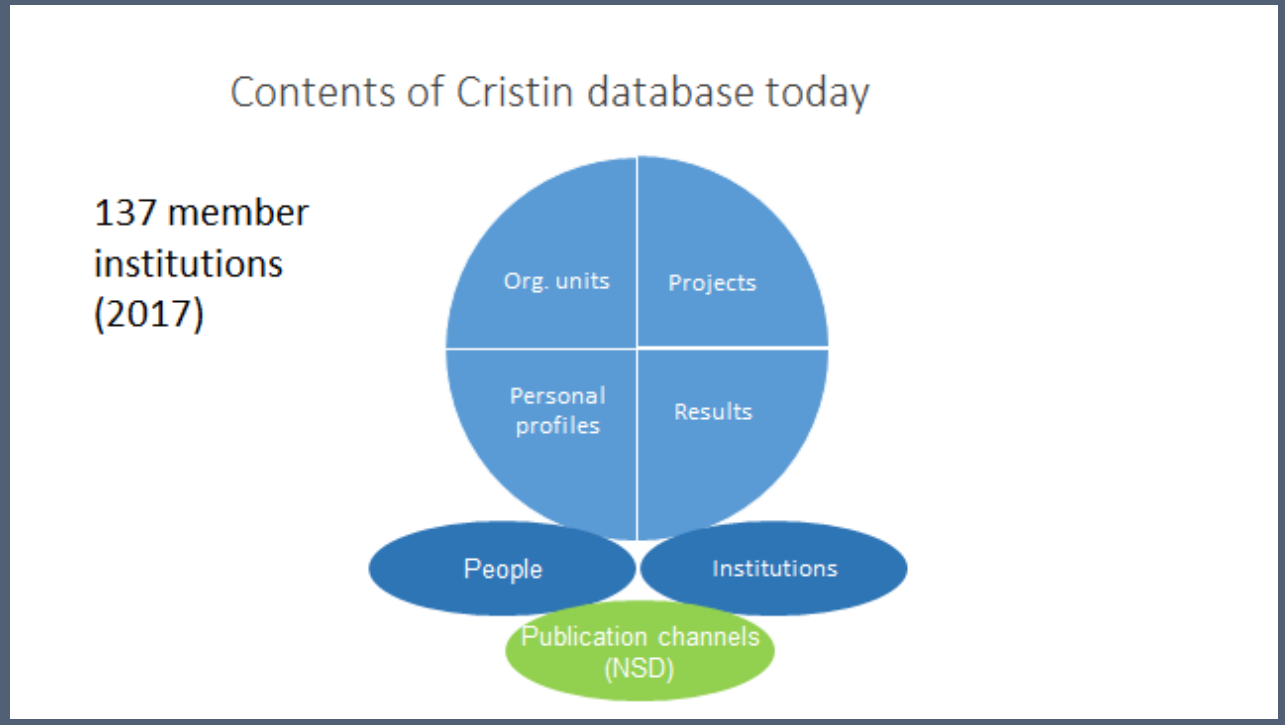
Cristin


Contents of Cristin database today
137 member institutions (2017)
Org. units
Projects
Personal profiles
Results
People
Institutions
Publication channels (NSD)

Success factors for high data quality

- **One NPI workflow in one system**
- **Collaboration with stakeholders**
- **Unique identifiers**
- **Coverage**
- **Reusable data**

Data quality I - workflow

Scholarly publications (NPI): high quality datbase due to

- Well established inclusion criteria (subset categories)
- Common reporting requirements (updated annually)
- Backed by (small) incentives
- Transparent system
- Workflow on the same record

Approval workflow (quality assurance)

Checklists for super-users

- Publications channels without level - nominate
- Duplicates – check and merge
- Missing metadata – submit missing information
- Status NVI-reporting – follow up those who are slow

To report or not to report?

- Research leader/publication boards

Disagreements between institutions

Data quality II – unique identifiers

Unique identifiers

- Publication channels (NSD)
- Researchers
- Norwegian ID
  - Eventually ORCID
- Institutions
  - Member institutions: maintained and updated with faculties and institutes in Cristin
  - Link to registry of collaborating institutions

- Challenging to maintain

Data quality III - Collaboration with stakeholders

Involvement and collaboration

- Member institutions
- Universities Norway (NPI)
- NSD (Publication channels)
- RCN Norway
- NIFU

Coverage

A «complete» scholarly bibliography for Norway?

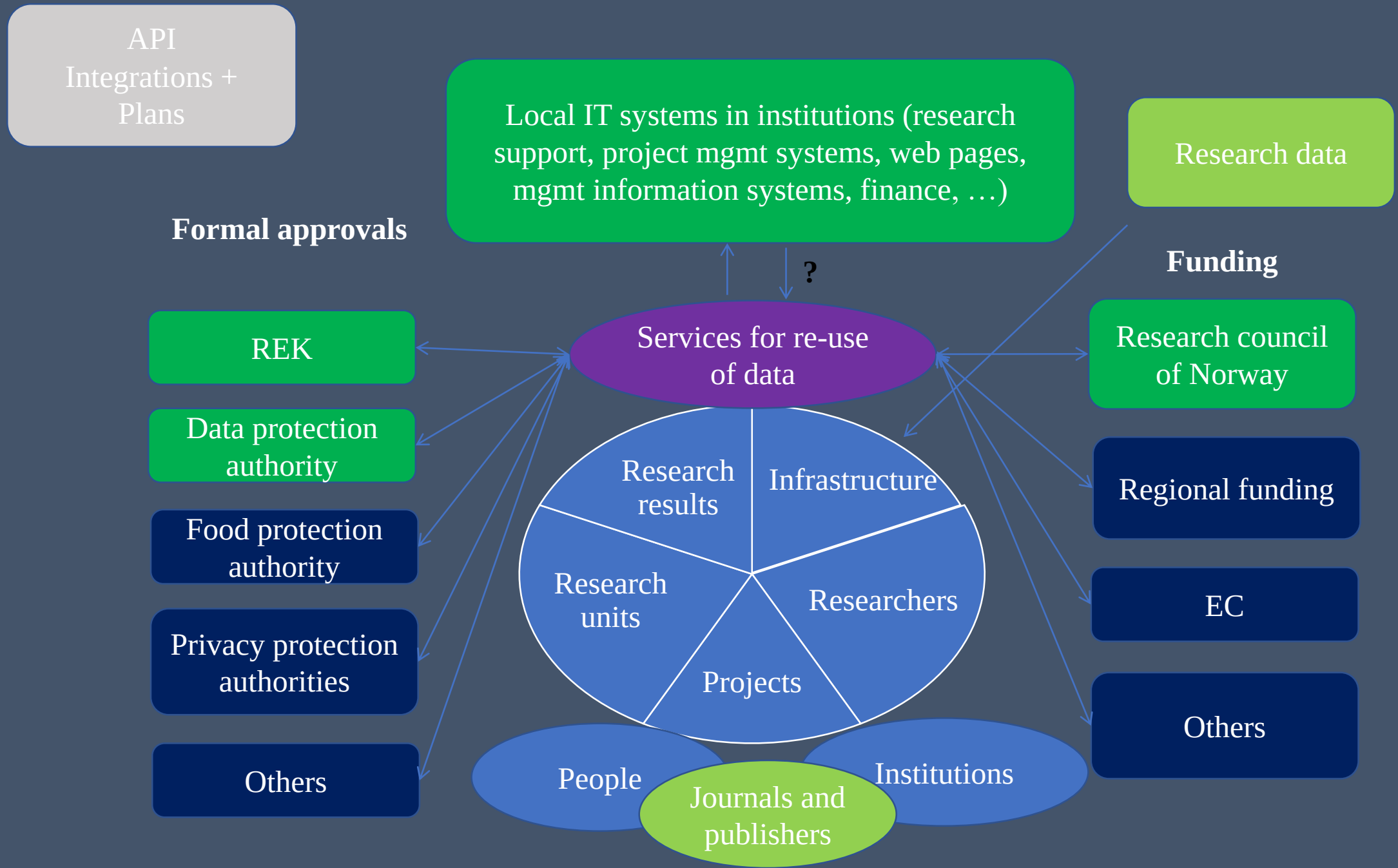
- **Good representation of SSH**
- **Good representation of publically funded institutions involved in performance based funding, including hospitals and research institutes**
- **Plan to include other institutions**

Other results (not NPI)

- Variable quality and completeness
  - Local incentives?
  - Visible?
  - Reuseable?

Reuseable data improves quality

- **API**
- **Standard reports and monitoring**
  - **OA-monitor**
- **Custom data/statistics/reports for research**
- **Data source for evaluations**

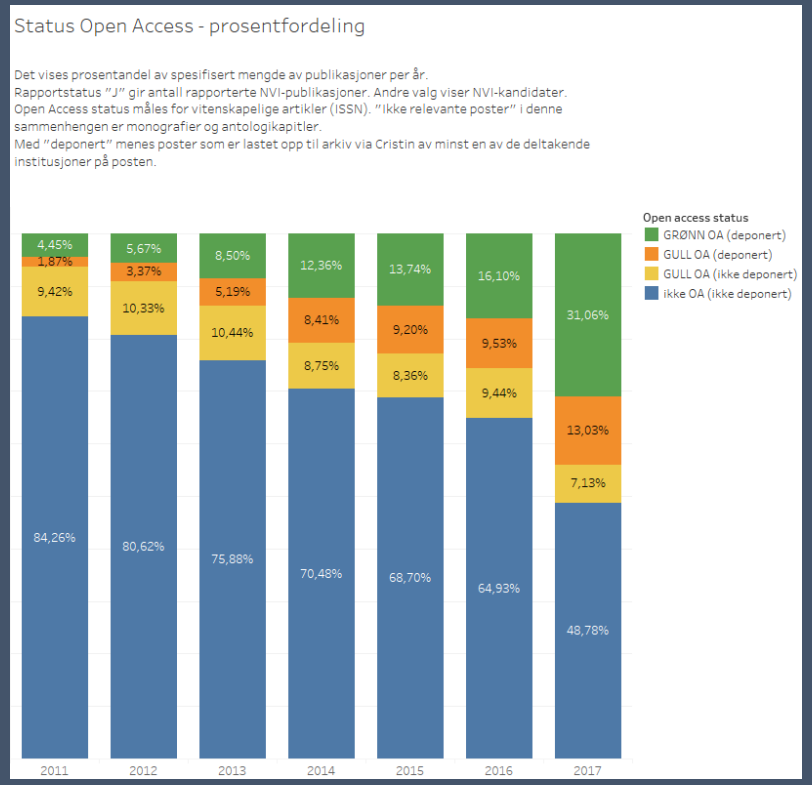

API
Integrations +
Plans
Local IT systems in institutions (research support, project mgmt systems, web pages, mgmt information systems, finance, …)
Research data
Formal approvals
?
Funding
REK
Data protection authority
Food protection authority
Privacy protection authorities
Others
Services for re-use of data
Research results
Infrastructure
Research units
Researchers
Projects
People
Institutions
Journals and publishers
Research council of Norway
Regional funding
EC
Others

Standard reports and monitoring

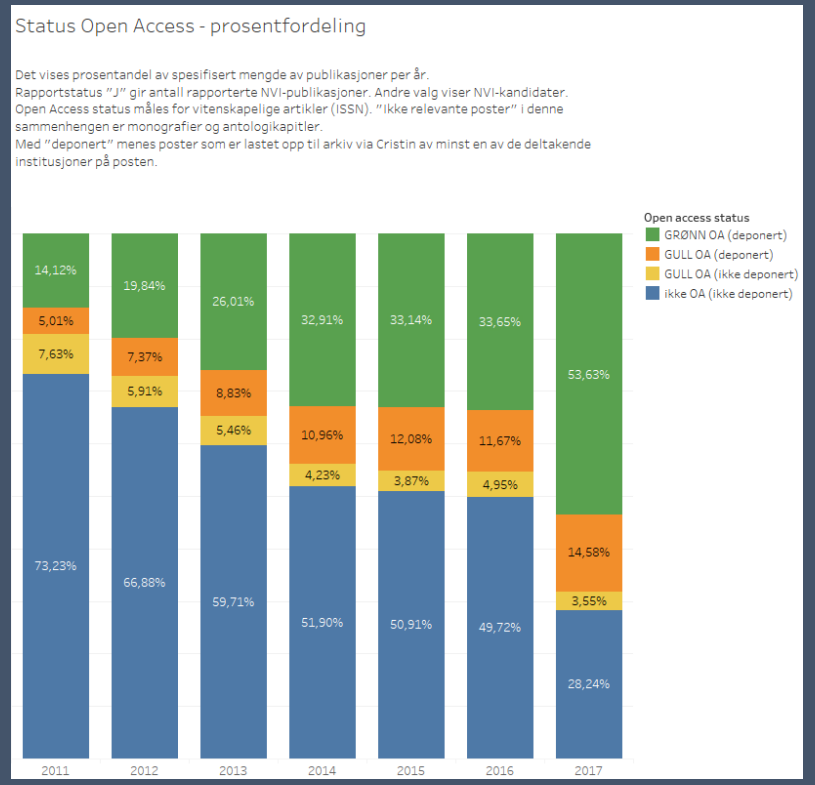
- OA-monitoring
- NVI-checklists

OA-monitoring (DUCT)

Total



Financed by RCN



https://rapport-dv.uhad.no/#/site/DUCT/views/CRIS7_1SammenligningavOA-resultaterpCristin-institusjoner/StatusOpenAccess-prosentfordelingperr?:iid=2

Subject-specific evaluations (RCN Norway)

Cristin available as a tool for the panels

- Research groups overview
  - Researchers (CV)
  - Institutions
  - Projects
  - Publications

- Humanities research (2017)
  - 97 research groups evaluated
- Social Science research (2018)
  - 135 research groups evaluated

Cristin as a data source for bibliometric analyses

- NPI-publications

Other work in progress

National repository

ORCID

National infrastructure for bibliometrics

REK integration and reporting on projects

Coordinating services in Unit: Research information services, education services and library services