Research data and DiVA at Uppsala University

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Outline

• Uppsala University in brief
• Open Access and research data: some guiding national principles
• About DiVA - Academic Archive Online, is a publishing system/repository for research publications and student theses and a digital archive for long-term preservation of publications.
• DiVA and research data
Uppsala University in brief

- Three disciplinary domains:
  - humanities and social sciences
  - medicine and pharmacy
  - science and technology
- Nine faculties – 60 departments
- Revenue – SEK 6.3 bn
- 45,000 students, 25,000 full-time equivalents
- 6,800 employees
Research in figures

- 2,500 doctoral students – 45% women
- 300 doctorates every year
- 4,600 academic publications per year
- 560 professors – 25% women
Research results will be made available in open access channels, wherever possible.
National guidelines - Open Access in Sweden
Today’s OA policy from the Swedish Research Council

• Publications
  – All financed projects from 2010-
  – Articles and Conference papers
  – Open Access within 6 to 2 months (hum/sam)
  – From 2015 only OA articles are accepted
  – From 2017 all publications should have a CC-BY-licens

• Research data – data publishing plan
  – All project applications from 2012-
  – Requirements for a ”data management plan” for research data for those projects where data collecting is a major part of the project.
  – Research data should “within reasonable time” be published OA
Initiative from the EU-commission

• Summer 2012:
  – Decision: OA-publishing will be the norm in Horizon 2020 (EU Research and Innovation programme)
  – Member nations were encouraged to apply national strategies for Open Access

⇒ In Sweden the Swedish Research Council was assigned to establish national guidelines for OA
National Guidelines

• January 2015: Proposal from Swedish Research Council

“Scientific publications and artistic works and research data connected to scientific publications resulting from publicly funded research should be openly available”

The Research Council propose:
– Sweden should aim to publish everything OA by 2025
– Detailed guidelines should be decided 2020
– Some issues should be investigated more in detail until 2018
For **research data** the Research Council propose...

- **Objective** = Research data should be published OA as soon as possible

- **Finance pilot studies 2015-2020**
  - **Purpose** = to support planning and building the technical infrastructure at the universities
  - Except supporting infrastructure there will be needs for other expertise – unclear who is responsible of this…
About us

- Electronic Publishing Centre (EPC) has existed since 2000 and is part of Uppsala University Library

We are located in Carolina Rediviva
• What we do?
  – Development of DiVA
  – Support on publishing issues
  – Handle the entire publication process for books and doctoral theses and give advice in graphic design
  – support increased open access publishing at Uppsala University
About DiVA

• Started in 2000
  – Developed at Uppsala University Library
  – Initial purpose was to publish doctoral theses in full text

• A completely new version in 2008
  – Combined system for full texts and bibliographic references (evaluation/bibliometrics)
  – Registering all kind of publications produced by researchers, teachers and students

• Built mainly on open source software
40 Universities, Research Institutes and Museums

Blekinge Institute of Technology
Dalarna University
Ersta Sköndal University College
Swedish National Defence College
The Swedish School of Sport and Health Sciences
The Swedish Agency for Marine and Water Management
Högskolan i Borås
Halmstad University
Stockholm School of Economics
University of Gävle
University of Skövde
Kristianstad University
University West
Jönköping University
Karlstad University
The Royal Institute of Art
Royal College of Music
University College of Arts, Crafts and Design
Royal Institute of Technology
Linköping University
Linnaeus University
Luleå University of Technology
Mälardalen University
Mid Sweden University
The Nordic Africa Institute
Nationalmuseum
Swedish Environmental Protection Agency
Nordic Council of Ministers

Swedish Museum of Natural History
The Norwegian University of Science and Technology
Örebro University
Swedish Polar Research Secretariat
RISE/Research Institutes of Sweden
Red Cross University College
Södertörn University
Sophiahemmet University College
Swedish Meteorological and Hydrological Institute
Stockholm University
Umeå University
Stockholm University of the Arts
Uppsala University
The Swedish National Road and Transport Research Institute

800 000 references - 240 000 in full text

DiVA Members
- Use the same system
- All members contribute to system development
- Joint funding through fees
- Layout and some functionality can be adapted locally
Common layout – but different colours and logos
DiVA - Collaboration model

- Head of UUB Library
- System owners
- Management (IT- and Repository manager)
- Repository manager
- Strategic issues
- Support
- Working groups
- Local Helpdesk
- Uppsala University
- Members
How DiVA is used

Open access self-archiving

Evaluation, bibliometrics

Researcher CV

Coming theses

Print-on-demand

Digital archiving, preservation

Web pages

SwePub

dissertations.se

essay.se

DRIVER/OpenAIRE

Europeana

BASE

Scirus

Google, Google Scholar etc.

Long-term storage, persistent links (URN:NBN)
DiVA statistics

Downloaded full texts

(Millions)

Year


0 5.000.000 10.000.000 15.000.000 20.000.000 25.000.000 30.000.000 35.000.000 40.000.000 45.000.000 50.000.000

Downloaded full texts (Millions)
Research data - What does it mean for university libraries and DiVA?

- Different opinions/policies between universities (DiVA members)
  - Is research data something that libraries should deal with?
- Is likely to include several organizational parts of the university
- Researchers need to meet the demands of the funder asking us about uploading research data to DiVA
- Some journals demand a link to published research data
- Report (2014) about the need for storage of research data at Uppsala university
Accuracy of nonmolecular identification of growth-hormone-transgenic coho salmon after simulated escape

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2015 (Engelska)
Inngår i: Ecological Applications, ISSN 1051-0761, E-ISSN 1939-5582, Vol. 25, nr 6, 1618-1629
Artikel i tidskrift (Refererad) Uppdragad publicerad

Abstract [en]
Concerns with transgenic animals include the potential ecological risks associated with release or escape to the natural environment, and a critical requirement for assessment of ecological effects is the ability to distinguish transgenic animals from wild type. Here, we explore geometric morphometrics (GeM) and human expertise to distinguish growth-hormone-transgenic coho salmon (Oncorhynchus kisutch) specimens from wild type. First, we simulated an escape of 3-month-old hatchery-reared wild-
Concept

Research data

Relations:
- IsCitedBy/Cites
- IsContinuedBy/Continues
- IsNewVersionOf/IsPreviousVersionOf
- IsPartOf/HasPart

Primary data with relation to:
- Aggregated data
- Aggregated data

Aggregated data with relation to:
- Publication
- Primary data
• You should specify whether it is primary data (measurement) or aggregated / processed data
• You should link between those different kinds of research data
• New roles need to be selectable ("data producer") in DiVA
• When publishing research data there should always be a link to a full text/data set