

Идентификаторы в менеджменте научных данных

Ирина Радченко

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THOR-EU (Ambassador)

FREYA-EU (Ambassador)

Since 2013 trainings and consulting on Open Data, Data Science and Open Education:

- United Nation
- World Bank
- ITMO University
- Higher School of Economics
- European University
- St. Petersburg State University

Workshops and lecturing both in English and Russian
Guest lecturing in foreign universities, webinars and hackathons





Open Knowledge Foundation – 2012

Open Data Institute (ex-Moscow ODI Node,
St. Petersburg ODI Node) – 2013

Open Data School – 2013 (Moscow)

School of Data – Data Expedition – 2013

Webinar on Linked Open Data for FAO United Nation – 2013

Open Knowledge Festival (Open Education working group,
Open Science working group) – 2014

Open Data day in Oxford – 2014 (Open Science working group)


Central Asian Hackathon (World Bank) – 2015

Hackathon in Uzbekistan (United Nation) – 2016

International Workshop on Open Data (SPb State University) – 2016



Проект THOR (Technical and Human Infrastructure for Open Research)

**THOR**
Project ID: 654039
Funded under:
[H2020-EU.1.4.1.3. - Development, deployment and operation of ICT-based e-infrastructures](#)

THOR – Technical and Human Infrastructure for Open Research
From 2015-06-01 **to** 2017-11-30, closed project | [THOR Website](#)

Project details

Total cost: EUR 3 458 250	Topic(s): EINFRA-7-2014 - Provision of core services across e-infrastructures
EU contribution: EUR 3 456 250	Call for proposal: H2020-EINFRA-2014-2 See other projects for this call
Coordinated in: United Kingdom	Funding scheme: RIA - Research and Innovation action

Objective

Five years ago, a global infrastructure to uniquely attribute to researchers their scientific artefacts (articles, data, software...) appeared technically and socially infeasible. Since then, DataCite has minted over 3.5m unique identifiers for data. ORCID has deployed an open solution for identification of contributors with over 850,000 registrants in less than 2 years.

THOR will leverage these emerging global infrastructures to support the H2020 goal to make every researcher 'digital' and increase creativity and efficiency of research, while bridging the R&D divide between developed and less-developed regions. We will establish interoperability between existing resources, linking digital identifiers across platforms and propagating attribution information.

We will integrate PID services across the research lifecycle and data publishing workflows in four advanced research communities, and then roll-out core services and service building blocks for the wider community. These open resources will foster an open and sustainable e-infrastructure across stakeholders to avoid duplications, give economies of scale, richness of services and the ability to respond rapidly to opportunities for innovation.

https://cordis.europa.eu/project/rcn/194927_en.html

Проект THOR. Участники

Participants

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MONASH UNIVERSITY

Australia



EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

Switzerland



DATAcite – INTERNATIONAL DATA CITATION INITIATIVE

Germany



THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

United States



EUROPEAN MOLECULAR BIOLOGY LABORATORY

Germany



ELSEVIER BV

Netherlands



ORCID EU

Belgium



UNIVERSITAET BREMEN

Germany



PUBLIC LIBRARY OF SCIENCE

United States



https://cordis.europa.eu/project/rcn/194927_en.html

Проект FREYA

**FREYA**

Project ID: 777523
Funded under:
[H2020-EU.1.4.1.3. - Development, deployment and operation of ICT-based e-infrastructures](#)

Connected Open Identifiers for Discovery, Access and Use of Research Resources

From 2017-12-01 to 2020-11-30, ongoing project

Project details

Total cost: EUR 5 246 117,50	Topic(s): EINFRA-21-2017 - Platform-driven e-infrastructure innovation
EU contribution: EUR 4 998 650	Call for proposal: H2020-EINFRA-2017 See other projects for this call
Coordinated in: United Kingdom	Funding scheme: RIA - Research and Innovation action

Objective

The goal of the FREYA consortium is to iteratively extend a robust environment for Persistent Identifiers (PIDs) into a core component of European and global research e-infrastructures. The resulting FREYA services will cover a wide range of resources in the research and innovation landscape and enhance the links between them so that they can be exploited in many disciplines and research processes. This will provide an essential building block of the European Open Science Cloud (EOSC). Moreover, the FREYA project will establish an open, sustainable, and trusted framework for collaborative self-governance of PIDs and services built on them.

FREYA capitalises on the successes of the THOR project and will build on the core services of the existing trusted PID systems of the project partners, developing them in the context of established community-based services and more widely through the EOSC. The FREYA e-infrastructure components will be built on technologies and services that are already well proven. New services, and new PID types, will be introduced and moved up the scale of Technology Readiness Levels, so that the emerging e-infrastructure services are prototyped and positioned for evolution beyond the end of the FREYA project.

https://cordis.europa.eu/project/rcn/212959_en.html

Проект FREYA. Участники

Participants

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ORCID INC.

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KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW

Netherlands



HINDAWI LIMITED

United Kingdom



https://cordis.europa.eu/project/rcn/212959_en.html

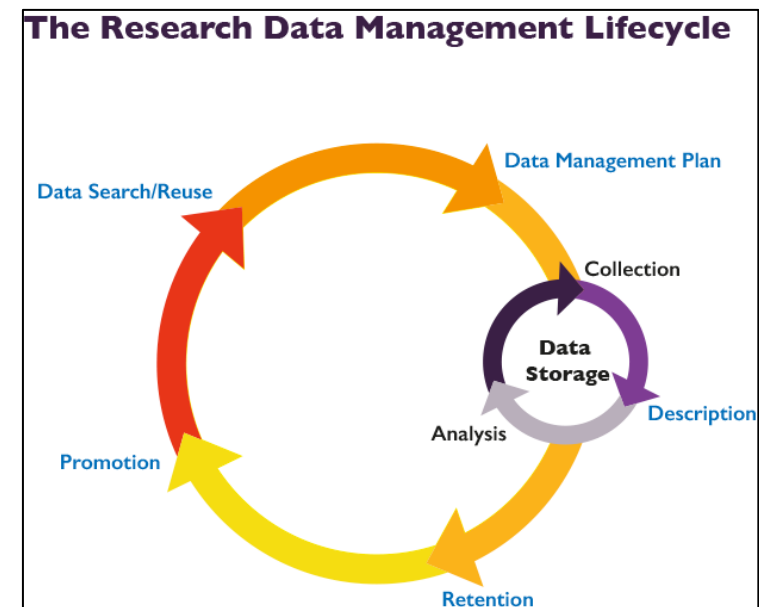
Задачи The European Open Science Cloud

- Создание удобных сервисов:
- scientific instruments;
- data;
- applications, workflows, software;
- storage, compute and network connectivity;
- written knowledge (e.g scientific publications, educational and training resources);
- services for enabling federated access, like federated identity service provisioning, authentication, authorization, and accounting;
- collaborative services enabling the sharing, use and reuse of digital capabilities.

Идентификаторы ORCID и DOI

ORCID - Система учета ORCID (Open Researcher and Contributor ID) предоставляет две основных возможности:

1. Реестр, в котором можно получить **уникальный идентификатор** и управлять записью результатов исследовательской работы.
2. Интерфейсы разработки (API), предназначенные для **обеспечения передачи данных** между различными системами учета и установления авторства научных работ в каждой из них.

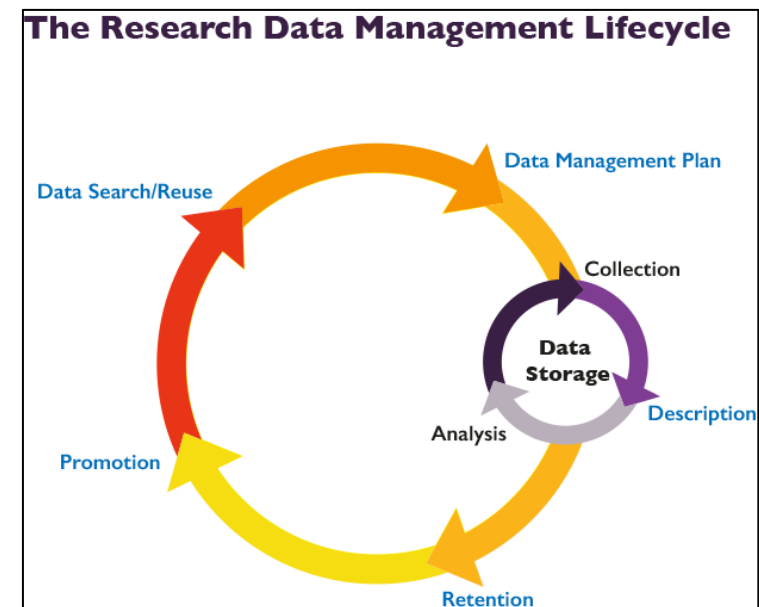


<https://guides.library.ucsc.edu/data-management>

Идентификаторы ORCID и DOI

DOI - **DOI (Digital Object Identifier)** — цифровой идентификатор объекта. Имя DOI является идентификатором (а не местоположением) объекта в цифровых сетях.

Он обеспечивает систему для постоянной и действенной идентификации и интероперабельного обмена управляемой информацией в цифровых сетях.



<https://guides.library.ucsc.edu/data-management>

Кто поддерживает ORCID?

- Springer
- Elsevier
- Emerald
- F1000
- Hindawi
- IOS Press
- Oxford University Press
- PNAS
- CERN
- Clarivate Analytics
- Fraunhofer Research Institute
- ProQuest
- SAGE
- SciELO
- Taylor & Francis
- The Royal Society
- Wiley
- ...

Кто поддерживает DOI?

- Zenodo (GitHub)
- British Library
- Australian National Data Service
- Caltech Library
- Cyberleninka
- CERN
- Dryad
- Figshare
- Harvard University
- IEEE
- National University of Singapore
- Политехнический университет Петра Великого
- ResearchGate
- ...

Обсуждение и ответы на вопросы:
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