

# Erasmus Data Service Centre (EDSC): Your FAIR Research Data Solution

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<https://www.eur.nl/en/campus/university-library/erasmus-data-service-centre>



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# Introduction

EDSC part of Erasmus University Library

Former partner in Nereus network and their NEEO project

Attendee(s) of IASSIST, DCC and Lieber conferences

Datateam currently consist of:

Paul Plaatsman, Ronald Brabers, Arjan de Wit, Rob Grim,  
Nynke de Groot and Lennard Bockenforde

# History

Started in 2006, before that we had a reading room statistics next to our reading room economics already with some basic data support

Started in close cooperation with Erasmus School of Economics(ESE) and Rotterdam School of Management(RSM)

2007 Erasmus School of Social and Behavioral Science(ESSB) joins

2011 Opening Datalab with microdata from Central Bureau of Statistics(CBS)

2014 Opening Bloomberg Class

2015 Moving to new building, integrating EDSC office, Datalab, Bloomberg Class and Instruction room in new 'state of the art' Education building.

2016 Lustrum festivities(article, symposium, student challenge and the ERIM support award)

2017 Accepted the Findable- Accessible-, Interoperable and Re-usable(FAIR) principles for RDM policy.

2018 hiring of an RDM specialist



Datateam		2018	2019	2020	2021
2018-2021	Role	FTE	FTE	FTE	FTE
	Coordinator	0.5	0.5	0.5	0.5
	Data specialist	1	1	1	1
	Data librarian	1.2	1.2	1.7	1.7
	RDM Specialist	0.8	0.9	1.0	1.0
	PhD	0.2	0.1	0.2	0.2
		3.7	3.7	4.5	4.5

# Organization

- Datateam instead of individual(s). All required skills can't be found in one or two individuals, a team is needed, synergies are expected. However within the team communicate really well.
- Pragmatic and informal, not separate unit nor budget
- From subject specialist and information specialists to data librarians, data specialists and RDM specialist.
- Parttime to dedicated full time
- Include PhD from departments
- Advisory Board with representatives from departments and University Library

# Content

Financial databases

Databases for the Social Sciences

## Services

Manuals

Workshops

Individual support

Question handling

Evaluated yearly

# Usage statistics

## Individual support 2010-2018

Year	Offered hours	Booked hours	Utilization
2010	864	729	84,38
2011	748	628	83,96
2012	794	662	83,38
2013	828	677	81,76
2014	932	744	79,83
2015	740	619	83,65
2016	560	473	84,46
2017	653	465	71,21
2018	567	449	79,19
til april 2019	293	214	73,04

## Workshops 2010-2018

Year	Workshops
2010	
2011	48
2012	53
2013	33
2014	29
2015	38
2016	87
2017	62
2018	75
til april 2019	51



# Usage statistics continued

## Question handling 2010-2018

Year	Questions	Answers
2010	622	768
2011	872	1099
2012	742	965
2013	663	881
2014	695	864
2015	669	837
2016	788	987
2017	911	1138
2018	943	1172
til april 2019	221	268

Meaning the Datateam helped enough students, lecturers and researchers over the years to gain trust as being a reliable data supporter

“The EUR’s Datateam is of crucial importance for me as a teacher and a researcher. For my students, the Datateam provides a carefully crafted workshops on data search necessary for the success in several seminars I teach and during the thesis writing. As a researcher I have a regular contacts with the Datateam on my own non-standard data needs. The team is very attentive to my needs and receptive to my own and my students’ requests professionally and courteously.”

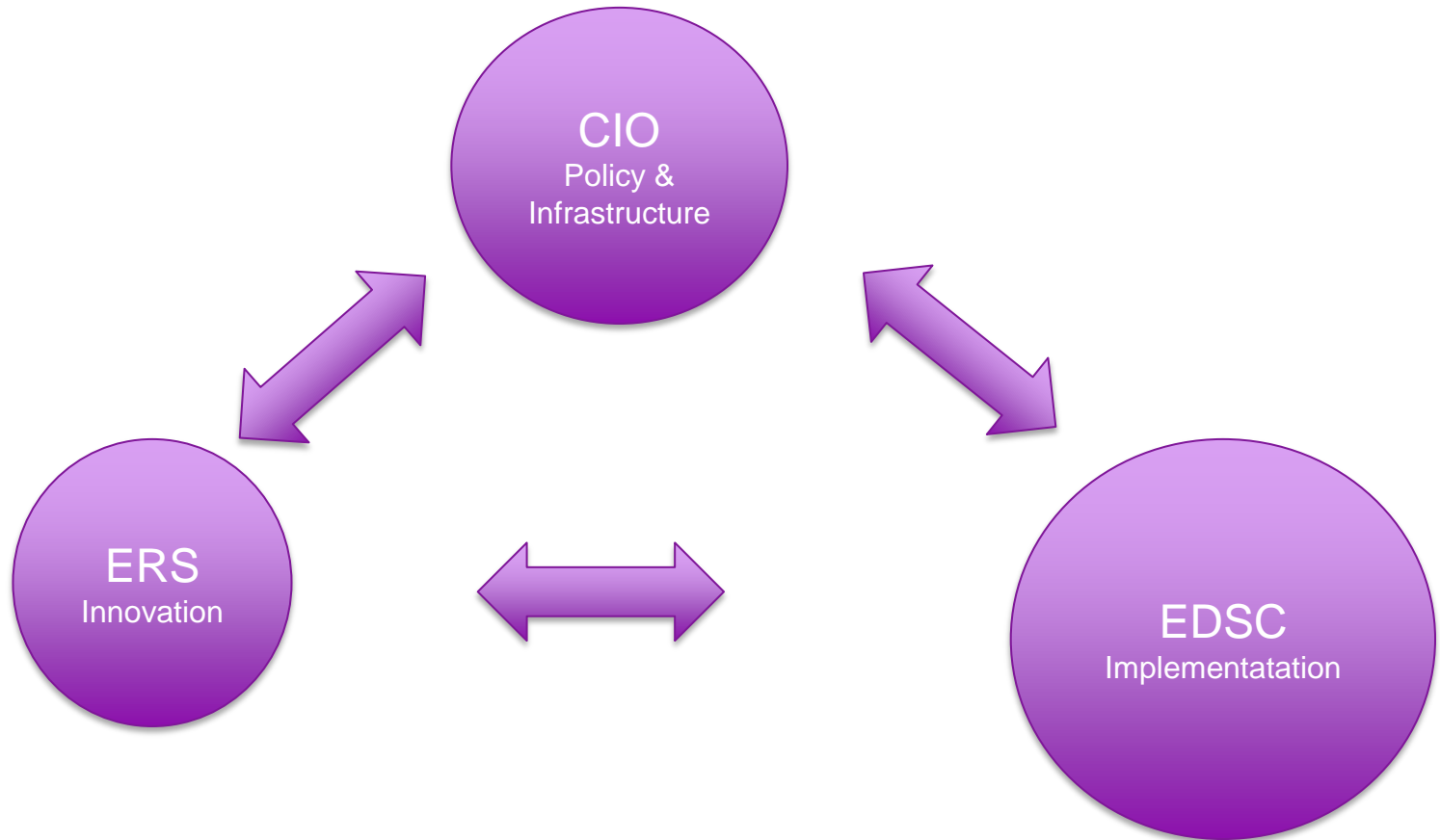
# Research Data Management

There have been many RDM initiatives at our university, often people also assumed the EDSC played a role.

Presently three major players are involved:

1. The Chief Information Office (CIO), gained importance with the implementation of the GDPR on the 25<sup>th</sup> of May 2018, is in the lead on policy and technical infrastructure.
2. The Erasmus Research Service (ERS), started as a program to support research, is in the lead on innovation. Created the RDM community.
3. The Erasmus Data Service Centre (EDSC) which implement serviced developed by ERS within the organization.

# Graphically



## RDM Services / Related RDM services

- DMP support via DMPonline
- Workshop(s)
- Storage
  - @wEURk
  - Surfdrive
  - DocumentVault
  - ....
- Text and Data Mining (TDM)
- Google Big Query
- Legal support

## Usage statistics

### RDM 2019

Month	RDM Workshops	Attendees of RDM workshop	Surfdrive accounts	Surfdrive Incidents	Document Vault (DV) accounts	DV incidents	High Performance Computing(HPC) accounts	TDM consults
January	1	1		2	2	2	14	2
February	1	150		0	5	4	7	
March	0		16	1	3	1	11	3
April	1	23		4				
May								
June								
July								
August								
September								
October								
November								
December								
<b>Total</b>	<b>3</b>	<b>174</b>	<b>16</b>	<b>7</b>	<b>10</b>	<b>7</b>	<b>32</b>	<b>5</b>

## RDM Services / Related RDM services

DEMO

DMP Online, EUR template

DEMO

Document Vault

# RDM matrix of RDM services during research life cycle

	Before Research	During Research	After Research
<b>Current Services</b>	<ul style="list-style-type: none"> <li>Legal Support: IPR, privacy, <u>contracts</u>.</li> <li>RDM Consult: <u>questionhandling on all RDM matters</u>[e.g. consulting, tools (SURF; Dropbox, <u>Qualtrics</u> etc.), storage and <u>archive</u>].</li> </ul>		
	<ul style="list-style-type: none"> <li>DMP Review and <u>feedback</u>.</li> <li>RDM <u>Introduction</u> workshop.</li> </ul>		
<b>Projects &amp; Pilots</b>	<ul style="list-style-type: none"> <li>RDM Website</li> </ul>		
	<ul style="list-style-type: none"> <li>DMP Online tool: <u>managemetn and support how to write a DMP</u>.</li> </ul>	<ul style="list-style-type: none"> <li>Google <u>BigQuery</u>: information + support of <u>usage</u>.</li> <li>EUR Document <u>Vault</u>: information + support of <u>usage</u>.</li> </ul>	
		<ul style="list-style-type: none"> <li>Google Storage: <u>emergency back-up &amp; archivering</u> research data.</li> </ul>	
<b>Services to be developed</b>	<ul style="list-style-type: none"> <li>RDM workflow support: <u>by e.g research disciplineor department workflows for research</u> (e.g. tools, <u>dataportability</u>, '<u>what to do when</u>').</li> <li>ORCID: information <u>athor-ID linked to publications/datasets</u>.</li> <li>Open <u>Science</u></li> </ul>		
	<ul style="list-style-type: none"> <li>Informed Consent <u>collection: reference-material for researchers</u>.</li> </ul>		<ul style="list-style-type: none"> <li>PID Service: <u>to create handle, doi, or pid</u>.</li> <li>Data <u>Curation</u>: meta-data service + information.</li> <li>DANS EASY workflow: automatic data-transfer to <u>Archive</u></li> </ul>
		<ul style="list-style-type: none"> <li>Data <u>pseudonimisation &amp; anonimisation</u>: information + <u>advise</u> + support.</li> <li><u>Figshare</u>: information + <u>advise how to use</u>.</li> <li><u>Text and Data Mining (TDM) guidance</u>: information + <u>advise</u>.</li> </ul>	

## Future developments

From EDSC strategic plan

*Priority 1: Providing access to more and different content*

*Priority 2: Focus on subject-oriented support and development of EDSC knowledge center*

*Priority 3: Boosting the EUR research data infrastructure*

*Priority 4: Expansion of EDSC services*

*Priority 5: Intensify internal and external cooperation*



## Future developments, continued

From UL RDM roadmap (translation of RDM matrix into action)

Testing all new storage platforms and see which one fits what needs best (G-suite, OneDrive, Dropbox for Business, Figshare).

Data curation, many different definitions and expectations. Who will do the actual work, datastewards?

Pseudonymisation and anonymisation. Check with researchers first before offering a solution. What skills are needed for support.

Data visualization and data analytics

## Future developed, finished

Personal observations

More specialized roles: data engineer, data curator, meta data specialist

Different skills needed, some can be trained some must be acquired

With the GDPR the RDM has moved much towards legal aspects

Interaction RDM with Open Science. Don't define RDM too broad too soon. It might become too big to manage

I Expect a shake out and standardization after trial/beta-testing phase of the many platforms right now

## Lessons learned over the years

Start small, keep it manageable

Keep focused. Select your battles but if needed stand for your cause.  
Don't worry too much about your turf/territory

We're in it for the long run. UL often builds long term relationships

Involve researchers, don't forget them along the way

Don't loose yourself in distinction education versus research. Many items touch upon both!

## Questions and discussion

