


Essentials 4 Data Support: Training the Front Office

Marjan Grootveld and Ellen Verbakel



research
data
netherlands

**Your partner in research
data curation**

ABOUT RDN! • PARTNERS • ACTIVITIES • NEWS AND AGENDA •

Research Data Netherlands is an alliance between 3TU Datacentrum, Data Archiving and Networked Services (DANS) and SURFsara. With this coalition, which is also open to other parties, the three data archives join forces in the area of long-term data archiving.

News

RDNL JOINS CODATA [»](#)
Research Data Netherlands has recently become a member of CODATA, the Scientific Committee of the...

COURSE ESSENTIALS 4 DATA SUPPORT IN JANUARY FULLY BOOKED [»](#)
The course Research Data Curation, Support, Attention in January is...

Course

ESSENTIALS 4 DATA SUPPORT

II - Planning phase

- ☒ Scientific integrity
- ☐ Research design
- ☐ Reproducible research
- ☐ Data management planning
- ☐ Quiz
- ☐ Assignment: make a DMP

Progress: 91%

I DEFINITIONS

II PLANNING PHASE

III RESEARCH PHASE

IV USER PHASE





V LEGISLATION & POLICY

VI DATA SUPPORT

Planning phase

Chapter II overview

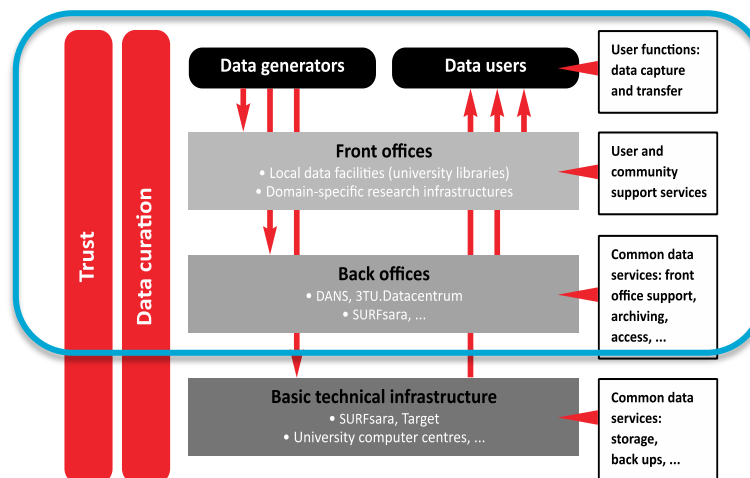
This chapter comprises the phase before research data are collected: the planning phase.

Learning objectives

In this chapter:

- You will be briefly introduced to the research proposal. You will be able to identify the elements discussed in a research proposal;
- You will learn how the principles of scientific integrity encourage reproducible research;
- You will learn about the advantages of a systematic approach in view of reuse;
- You will learn about the different parts of a data management plan.



The Data Harvest:

How sharing research data can yield
knowledge, jobs and growth

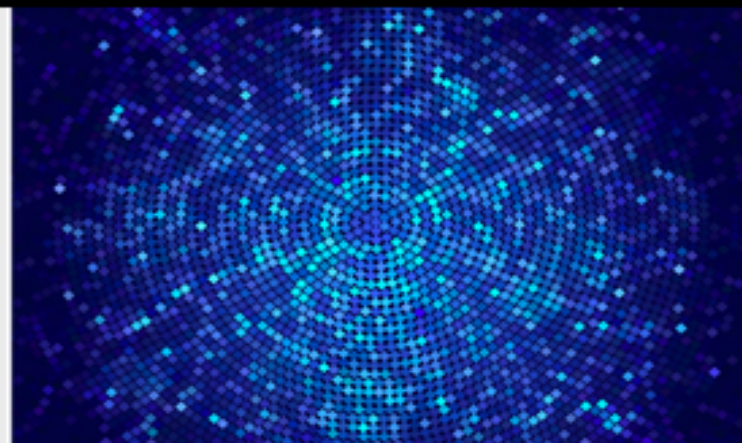
An RDA Europe Report

December 2014

2. DO promote data literacy across society, from researcher to citizen. Embracing these new possibilities requires training and cultural education – inside and outside universities. Data science must be promoted

as an important field in its own right. Use and evaluation of data must be embedded in all curricula, from primary school to post-doctoral programme. EU R&D programmes should incorporate data training and skills.

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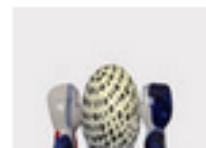


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The course Essentials 4 Data Support starting in January is

Course



ESSENTIALS 4 DATA SUPPORT

3TU designs
course "*Data
intelligence
for librarians*"

2 rounds;
redesign;
launch RDNL

currently large
group (N=16);
waiting list

2011

2012

2 rounds;
DANS joins
with content
and coach

2013

2014

3 rounds
"*Essentials 4
Data Support*";
SURFsara joins
RDNL

2015

...

2011: *Data Intelligence 4 Librarians*

3TU.

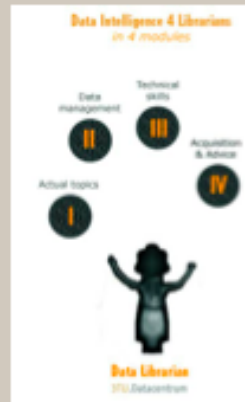
- Focus on support staff, particularly librarians
- Supports library's mission to be a partner in research:

Data intelligence 4 librarians want to contribute to the professionalization and positioning of support staff as a trusted partner in the support of data-intensive research

3TU.

4 modules:

1. Current topics
2. Data management
3. Technical skills
4. Acquisition & Advice

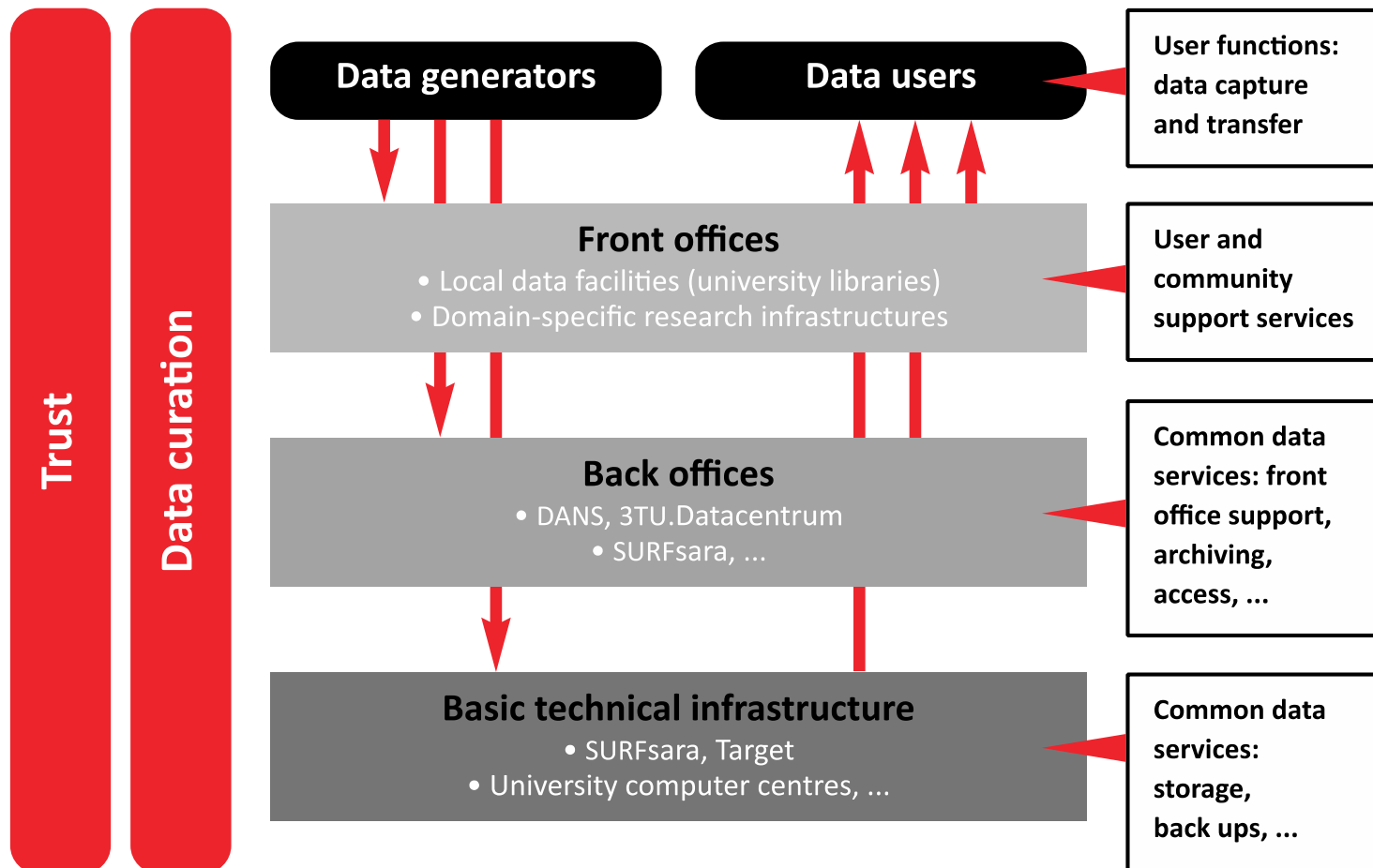


3TU.Datacentrum
DANS
RSS | Colofon | Search | Twitter |

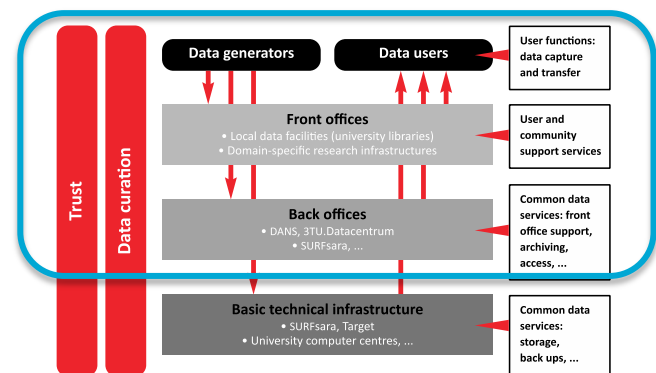
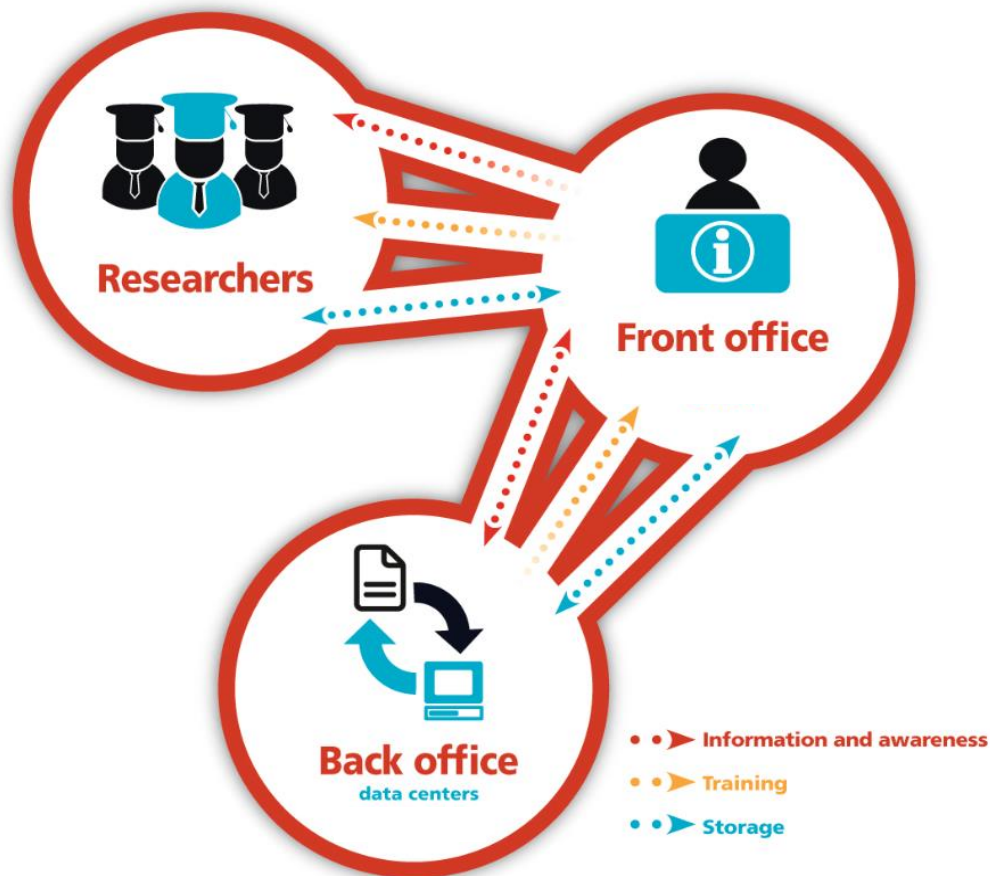
Share.
Show.
Store.

Home News & Events About the course I Current Topics II Data management III Technical skills IV Acquisition & Advice Glossary of terms Who-What-Where-When	Welcome <p>This is the reference material for the course Data Intelligence 4 Librarians developed by 3TU.Datacentrum</p>	News & Agenda <ul style="list-style-type: none"> Data Intelligence 4 Librarians online! 	Links <ul style="list-style-type: none"> 3TU.Datacentrum DANS (Data Archiving and Networked Systems) TU Delft Library Informatie Expertise Centrum/Bibliotheek Eindhoven Universiteit Twente: Bibliotheek & Archief gplus.to/datalibrarian (your trainer/coach)
	The course in brief <p>What will you learn? During the course you will acquire knowledge about ways in which research data can be prepared for storage, archived and (re)used. After the course you will have gained understanding about the meaning of research data in scientific research. You will be able to advise researchers/research groups on efficient and effective ways to add value to their data.</p> <p>How are we going to accomplish this? With a didactical mix of group meetings, online study and doing assignments. The contents of this website are intended as reference material. See About the course for detailed information.</p>	Mission <p>The course Data Intelligence 4 Librarians wants to contribute to the</p> <p>professionalisation</p> <p>and</p> <p>positioning</p> <p>of the library and its employees to be a partner in the support of data-intensive science</p>	Twitter <div> 3TU. datalibrarians 21 HOURS AGO 3TUDatacentrum is out! http://t.co/NoEjDbvd ▶ Top stories today via @irynakuchma @DavidUnderdown9 @researchremix </div> <div> 3TU. datalibrarians 23 HOURS AGO An Invitation to OR2013 at Prince Edward Island: http://t.co/cXoxG77t via @youtube </div>

2013: federated research data infrastructure



Front office – back office model



2014: *Essentials 4 Data Support*



Mission

The *Essentials 4 Data Support* course aims to contribute to **professionalization** of data supporters and **coordination** between them. Data supporters are people who support researchers in storing, managing, archiving and sharing their research data.

2014: revised training

1. Full course: F2F meetings, online assignments + feedback on private forum, certificate
2. Online only
3. Online+: user profile and public forum



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Other changes



Findings (1/2)

Highly valued by the participants:

- Writing a Data Management Plan
- Collaboration and networking opportunity
- Guest lectures
- Videos; online content in general

And by us: consistent focus on individual learning goals. Two examples...



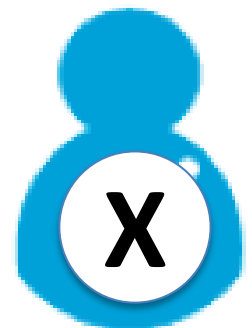
Example 1: Participant X

Started a month ago as data supporter:

My learning goals (NB: revision, at the end of day 1):

- Getting acquainted with notions around RDM
- Learning about various options for data storage, including reusability
- Knowing the value of RDM for researchers and the organisation
- Experience in writing a DMP
- Exploring my possible role in this area in my organisation

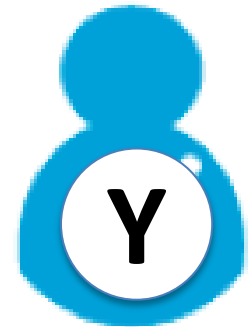
(Reflection and final assignment ignored in the presentation)



Example 2: Participant Y

Rather experienced:

My learning goal (1 of 3): What would be a good “travel guide” for the researchers in my organisation?



Reflection assignment (half-way the course):

- *What helped me most so far:* the section “Research life cycle”
- *What do I need to reach my learning goal:* time to get inspired by good examples elsewhere, e.g. <...>

Final assignment: a Research Support Plan for Y’s organisation, which includes:

- Proposed scoping of Y’s services
- Quite specific proposal who to approach, why (to inform or to get commitment from), how and when

Findings (2/2)

Requests:

- More practical cases
- “The correct answer”
- Forum ease of use

Participants:

- F2F since 2011: ~ 100
- Site visits

Country	2013	2014
Netherlands	675	3723
United States	89	94
United Kingdom	68	62
Canada	37	18
Belgium	33	99
India	20	0
Australia	19	48
Germany	18	46
France	18	68
South Africa	17	0
China	15	18
Norway	12	0
Singapore	0	11
Sweden	0	8
Switzerland	0	6

Next steps

- Continue managing expectations: “Essentials”...
- Ask previous “generations” about current job: how can we keep the course relevant?
- Remind recent participants of their goals: progress?

Afterwards

☐ With special thanks to >

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Progress:



Afterwards

"Do we know enough? Clearly, the answer is: no, we do not know what the future will bring. And that is maybe our biggest challenge: getting our minds to accept that we will never again 'know enough' at any time. While yet having to make decisions every day, every year, on where to go next."
- [Herbert van de Sompel & Andrew Treloar](#) ⁽¹⁾



Will we see you again?

- In tomorrow's workshop "Comparing notes: Training Librarians for Research Data Management and Open Science Support"
- datasupport.researchdata.nl/en/
- cursus@researchdata.nl: Ellen Verbakel + Marjan Grootveld