

Data Life-Cycle Management



Pierre-Yves Burgi, Eliane Blumer, NTICE
Meet and Greet, Swiss Medical Librarians,
Basel, 10.09.2015

“The Research Cycle” by Jorge Cham
www.phdcomics.com



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DE GENÈVE

Research Data

Data are **distinct pieces of information**, usually **formatted** in a special way.

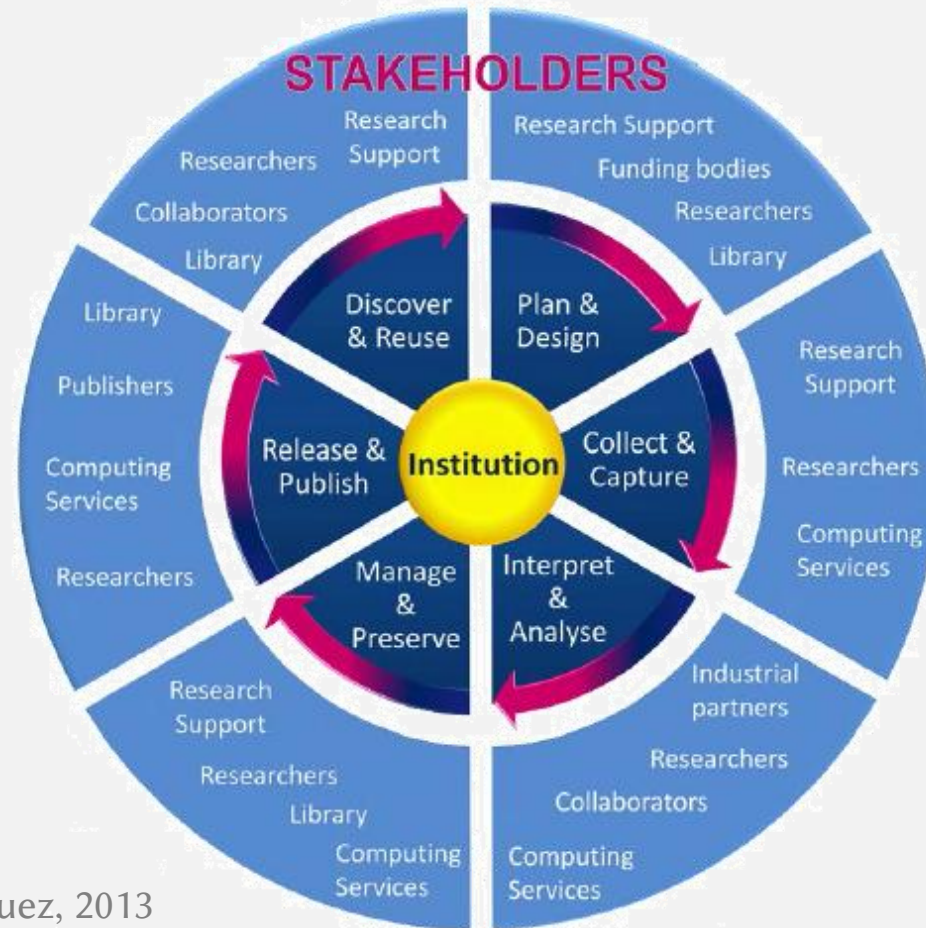
Research data is data that is **collected, observed, or created**, for purposes of analysis to **produce original research results**.

Observational
Experimental
Simulation
Derived or compiled
Reference or canonical

Text or Word documents, spreadsheets
Laboratory notebooks, field notebooks, diaries,
Photographs, films, Slides, artifacts, specimens,
samples, Data files, Database, Workflows

Source: Boston University –
What is “research data”?

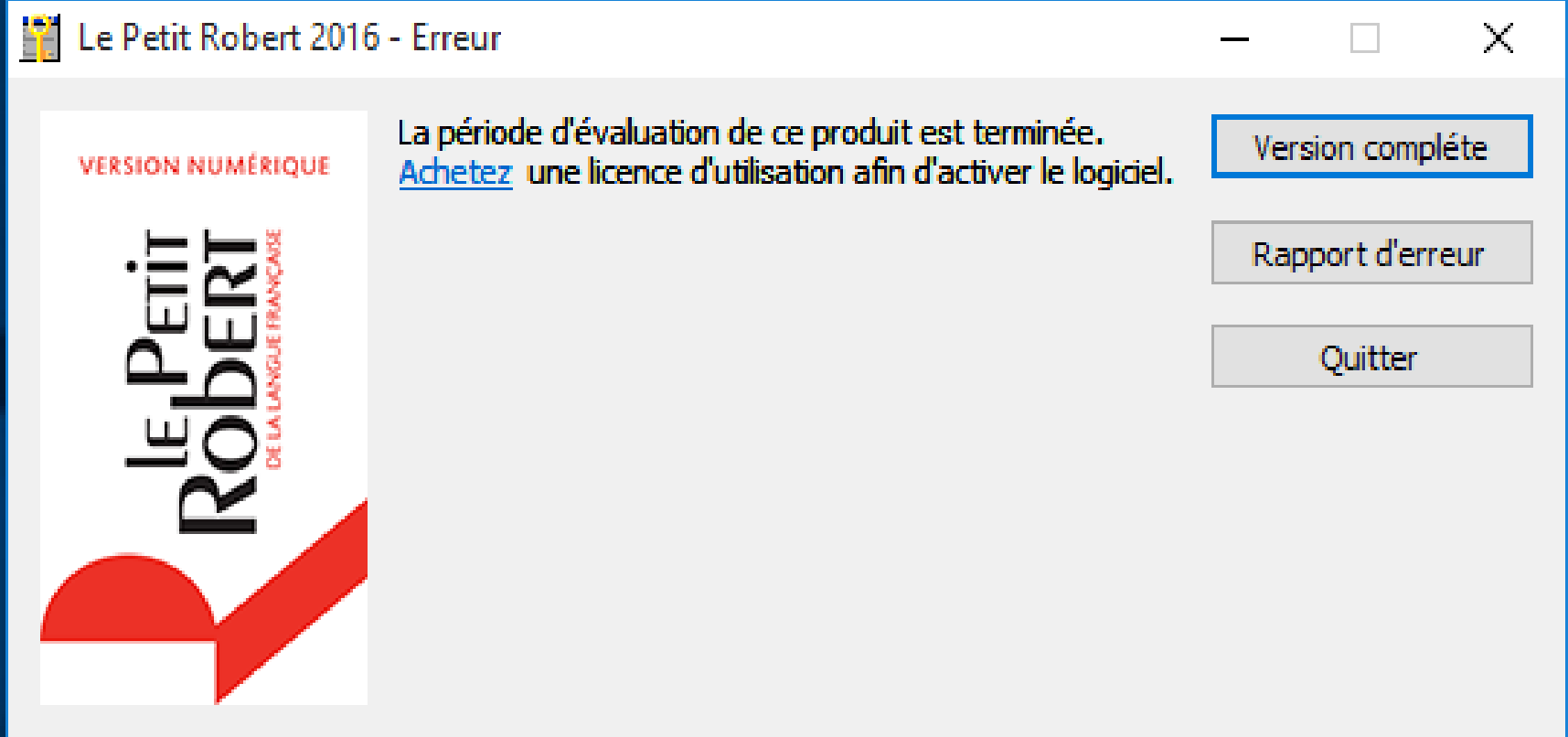
Data Life-Cycle Management



Source: Eckard, Rodriguez, 2013

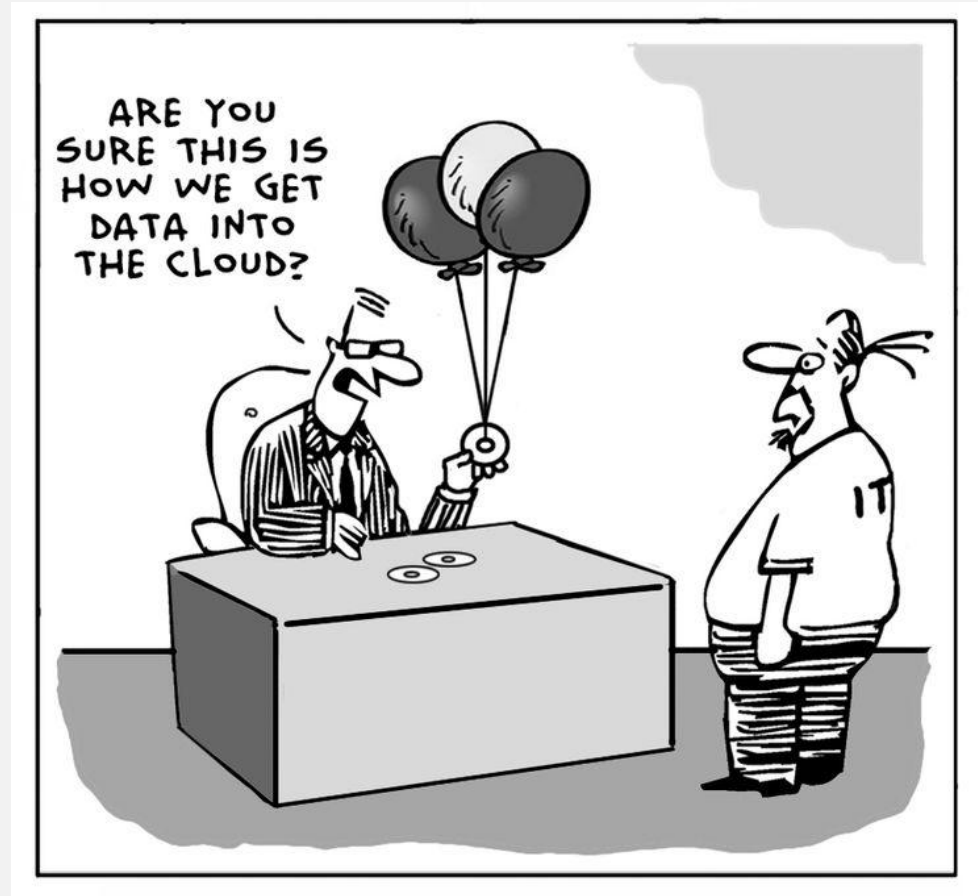
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DLCM	Ex4_20150714	Ex10_après les cours d'été	Changui_cont...	Guihua_Journal...	Les_3_Royaume...	ter_Haar_Guanyu	no1_exercices	no5_synthese_...	no9_vocabulaire	Cas_1		
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Le Petit Robert 2016	Attraits_et_dan...	B-A_BA_fantom...	Deesse_de_la_p...	Han_Yu_et_Ies_f...	Les_Trois_Royau...	Wang_Chong_e...	no2_exercices	no6_voc	no10_revision	Cas_2		

Why?



Why?

- You are obliged



Source: usethedata.com

Why?

Guidelines on Data Management in Horizon 2020

Version 16 December 2013

Introduction

In Horizon 2020 a limited **pilot action on open access to research data** will be implemented.¹ Participating projects will be required to develop a Data Management Plan (DMP), in which they will specify what data will be open.



Latest news

Next events



DCC, DPC and ULCC launch training needs survey

11 August, 2015 | in DCC News

International Journal of Digital Curation

International Journal of Digital Curation opens Volume 10, Issue 2

30 June, 2015 | in Publications



IDCC16 - Save the Date

25 June, 2015 | in DCC News

How can the DCC help you?

About us

We are a world-leading centre of expertise in digital information curation...

What is digital curation?

Digital curation involves maintaining, preserving and adding value to digital research data throughout its lifecycle...

Working with HEIs

Under the institutional engagement programme we have been working with HEIs to provide tailored support...

Editor's choice

DCC Institutional Survey 2015

Make sure your institution is taking part in our annual survey of RDM in UK Higher Education...

DMPonline roadmap

Find out about updates to DMPonline and what we have planned for the future...

Your Data Stories blog

New blog to share examples of good and 'not-so-good' practice in RDM...

Recent blog posts

Digital Preservation for the Arts, Social Sciences and Humanities - benefits for everyone

Jisc research data spring takes its next leap forward

Guest blog: Ethics and research data management in arts, humanities and social science research

RDMF13: notes from breakout group 3 (roles and training)

[All blog posts >](#)

Sign up for our newsletter

Your email address



Tag cloud

DMPonline data sharing research data tools research data

Home > Research Data

Welcome to Research Data

We apply the principles of library and archival sciences to meet the challenges and needs of researchers and students in finding, using, preparing, managing, curating and preserving research data. Working with our liaison librarians, we can help you plan, describe, disseminate, steward and archive your datasets.

Have a question? Contact us at: researchdata@lib.purdue.edu



OUR SERVICES

Purdue University Research Repository [+]

Data Management Planning [+]

Metadata & Data Documentation [+]

Distributed Data Curation Center [+]

Data Management & Curation Education [+]

Big Data @ Purdue Libraries [+]

Data Consultation [+]

Digital Object Identifiers (DOIs) [+]

WHO WE ARE

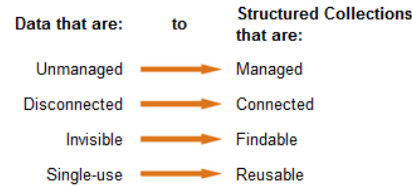


- ANDS Home
- About ANDS
- Partners & Communities
- Data Management
- Metadata
- Discovery, Access, Reuse
- Guides and Publications
- Online Services
- Technical Resources
- News, Events, Updates
- Quick Links

Australian National Data Service

Our Vision: More valuable data for Australian research

ANDS is enabling the transformation of:



[More>>](#)

Australian Research Data Commons

ANDS is building the [Australian Research Data Commons](#): a cohesive collection of research resources from all research institutions, to make better use of Australia's research data outputs.

Research Data Australia

[Research Data Australia](#), ANDS' flagship service, provides a comprehensive window into the Australian Research Data Commons. It is an Internet-based discovery service designed to provide rich connections between data, projects, researchers and institutions, and promote visibility of Australian research data collections in search engines.

Search for research data on researchdata.ands.org.au

NCRIS

National Research Infrastructure for Australia
An Australian Government Initiative

ANDS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy Program.

The ANDS Members are:



ANDS News



Seminars: Sharing Healthy and Sensitive Data: Challenges and Solutions

Perth: Wed, 3 Sept, 9.30-12.30

[Register](#)

Adelaide: Thur, 17 Sept 9.30-12.30

[Register](#)



Webinar - Clinical data disclosure: the five P's

Looking at the practical considerations, for researchers, of publishing articles about clinical data, and preparing clinical data for

sharing and publication. Wed 16 Sept, 3 - 4pm AEDT [Register](#)



Adelaide seminar: Ready, Set, Go! Research data at your library

Hear why research data matters to information professionals in all types of libraries. Learn how to use your library skills to develop new services around research data. Brought to you by ALIA-SA and ANDS. 27 Aug, 5:30-7pm [Register](#)



Forum - Increasing Access to Data from Publicly Funded Research

Co-hosted by ARMS and ANDS. Thurs 10 Sep, 1:30-4pm at ANU. [Details](#)

Subscribe to [andsUP](#), our regular e-newsletter. Give [ANDS](#) feedback. View [ANDS website changes](#).

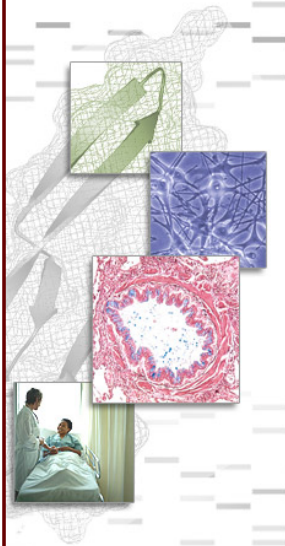
ANDS Events

Heute Freitag, 21. August ▾

Donnerstag, 27. August

17:30 Adelaide: Ready, Set, Go! Research

Donnerstag, 3. September



MISSION

i2b2 (Informatics for Integrating Biology and the Bedside) is an NIH-funded National Center for Biomedical Computing based at Partners HealthCare System. The i2b2 Center is developing a scalable informatics framework that will enable clinical researchers to use existing clinical data for discovery research and, when combined with IRB-approved genomic data, facilitate the design of targeted therapies for individual patients with diseases having genetic origins. This platform currently enjoys wide international adoption by the CTSA network, academic health centers, and industry. i2b2 is funded as a cooperative agreement with the National Institutes of Health.

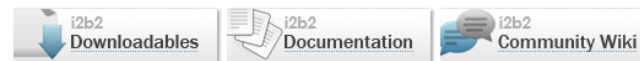
DRIVING BIOLOGY PROJECTS

- :: Overview
- :: Current DBPs
- :: Autoimmune/CV Diseases
- :: Diabetes/CV Diseases
- :: Past DBPs
- :: Airways Diseases
- :: Hypertension
- :: Type 2 Diabetes Mellitus
- :: Huntington's Disease
- :: Major Depressive Disorder
- :: Rheumatoid Arthritis
- :: Obesity

RESOURCES

- :: Overview
- :: Computational Tools
- :: Software
- :: NLP Research Data Sets
- :: NLP Shared Tasks
- :: Academic Users' Group
- :: Publication Data

SOFTWARE



HIGHLIGHTS

*** [i2b2 Installations Worldwide](#) ***

i2b2 AUG AND SHRINE ANNUAL CONFERENCE

June 23, 2015
Agenda, Registration, and Lodging info [here](#).

*** Precision Medicine 2015 Conference: Patient Driven ***

June 24-25, 2015
Agenda, Registration, and Lodging info [here](#).



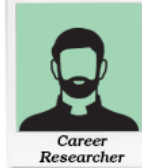
MANTRA

Research Data Management Training

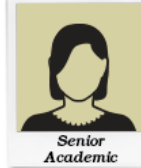
MANTRA is a free online course designed for researchers or others who manage digital data as part of a research project.



Research Student



Career Researcher



Senior Academic



Information Professional

- [Home](#)
- [About](#)
- [Acknowledgements](#)
- [DIY Training Kit for Librarians](#)
- [Feedback](#)
- [Contact Us](#)

Learning Units: Select one to start ★★★★★ [Rate MANTRA \(43 Votes\)](#)

[Research data explained >](#) *i*

[File formats & transformation >](#) *i*

[Data protection, rights & access >](#) *i*

[Data management plans >](#) *i*

[Documentation, metadata, citation >](#) *i*

[Sharing, preservation & licensing >](#) *i*

[Organising data >](#) *i*

[Storage & security >](#) *i*

[Data handling tutorials >](#) *i*

EDINA



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> Accueil

A A Partager Imprimer

Accroître les connaissances sur les données de la recherche, sensibiliser à leur importance et favoriser la réflexion autour des problématiques qui y sont liées.

[Lire la suite](#)

Actualités

RCUK seeks feedback on good practice guidelines for open research data

Research Councils UK (RCUK), on behalf of the UK Open Research Data Forum, has today (17 August 2015) published a draft Concordat on Open Research Data, which sets out expectations of good (...)

[Lire la suite](#)

European consortium develops new approaches for dealing with Big Data

Big Data is a major factor driving knowledge discovery and innovation in our information society. However, large amounts of data can only be used efficiently if algorithms for understanding the (...)

[Lire la suite](#)

figshare for institutions

We're excited to announce today the launch the next generation of our research data management platform, Figshare for Institutions, developed to address the specific needs of academic institutions (...)

[Lire la suite](#)

RDA Europe Call for Collaboration Projects

Become an RDA Collaboration Project Apply now! The Research Data Alliance (RDA) is working on building the social and technical bridges to facilitate data sharing and re-use. Given that data and (...)

[Lire la suite](#)

DataBridge

RENCI White Paper Series | Vol. 3, No. 5, July 2015

Summary Getting the most out of our research investments requires access to the full scope of data being collected. Yet all too often, researchers individually gather data, publish their (...)

Evénements

11th International Digital Curation Conference - "Visible data, invisible infrastructure"
>Du 22 au 25 février 2016 - Amsterdam, Pays-Bas

Munin Conference on Scholarly Publishing
>30 novembre et 1er décembre 2015 - Tromsø, Norvège

The Future of the Commons : Data, Software and Beyond
>18 novembre 2015 - Washington, États-Unis

European Data Forum : Exploiting Data Integration
>16 et 17 novembre 2015 - Luxembourg-Ville, Luxembourg

OpenCon 2015
>Du 14 au 16 novembre 2015 - Bruxelles, Belgique

◀ août 2015 ▶

	l.	m.	j.	v.	s.	d.
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Swiss Centre of Expertise in the Social Sciences

 [Obtain data](#)

 [Deposit data](#)

 [Research information](#)

News

Register until 1st September for the 4th Swiss Methods Festival – Qualitative and Mixed Research Methods

© 14 August 2015

7/8 September, 2015 at the University of Lausanne (Bâtiment Géopolis)
Conference language: French As in the previous editions, the Festival presents recent innovations in the field of qualitative and mixed

[\(...\)](#)

Nouvelle série sur l'évolution de la structure sociale en Suisse

© 13 July 2015

Nous sommes heureux de vous annoncer la parution du premier article de la série Social Change in Switzerland. F. Bühlmann, M. Beetschen, T. David, S.

Shortlinks

- [Open positions](#) >
- [Inscription au Festival suisse des méthodes qualitatives et mixtes](#) >
- [COMPASS](#) >
- [Selects](#) >
- [Swiss Household Panel](#) >
- [European Social Survey](#) >
- [MOSAICH-ISSP](#) >
- [SHARE](#) >
- [Social report](#) >
- [Swiss Summer School](#) >
- [MA in Public Opinion and Survey Methodology](#) >
- [Methods and Research Meetings](#) >
- [FORS Working Papers](#) >
- [Online journal "Survey Methods"](#) >
- [LINES - UNIL Center](#) >
- [Healthstudies CH](#) >
- [Open Research Data Platform](#) >
- [FORS in the media](#) >
- [Data access and research transparency](#) >

DLCM
3 years
(2015-2018)
~ 10 mio



University of Basel

Hes·so

Haute Ecole Spécialisée
de Suisse occidentale
Fachhochschule Westschweiz
University of Applied Sciences and Arts
Western Switzerland



University of Zurich
UZH

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

SWITCH



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Unil

UNIL | Université de Lausanne



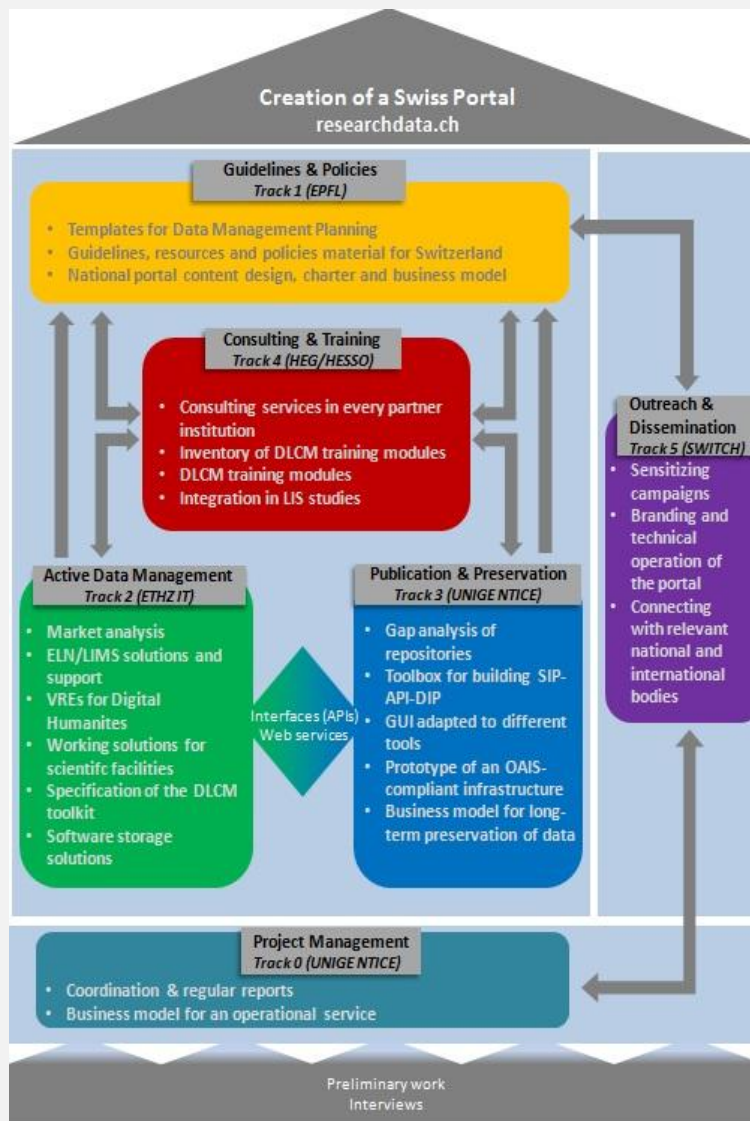
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swissuniversities



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- Guidelines and support to help researchers manage their data
- Ad hoc storage, computing and analysis solutions
- Solution for storage of research progress
- Development and/or maintenance of online research data repositories
- Capture snapshots of defined data periodically
- Incentives for data management

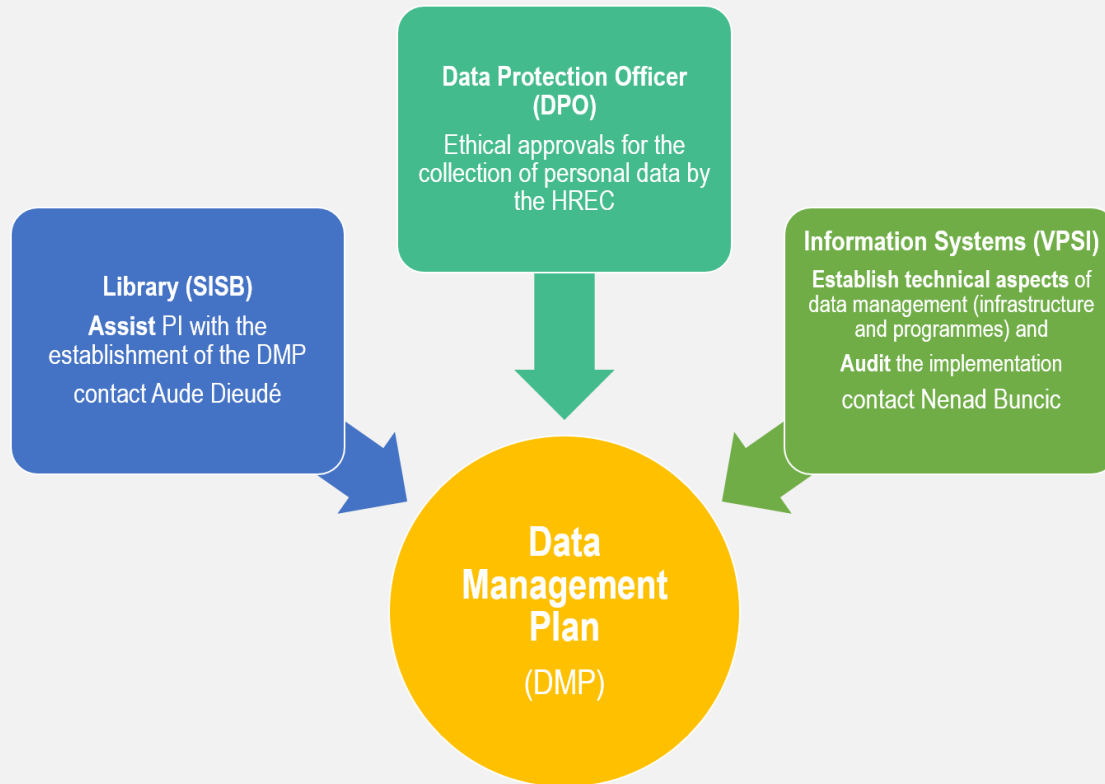


Guidelines and Policies

Guidelines & Policies *Track 1 (EPFL)*

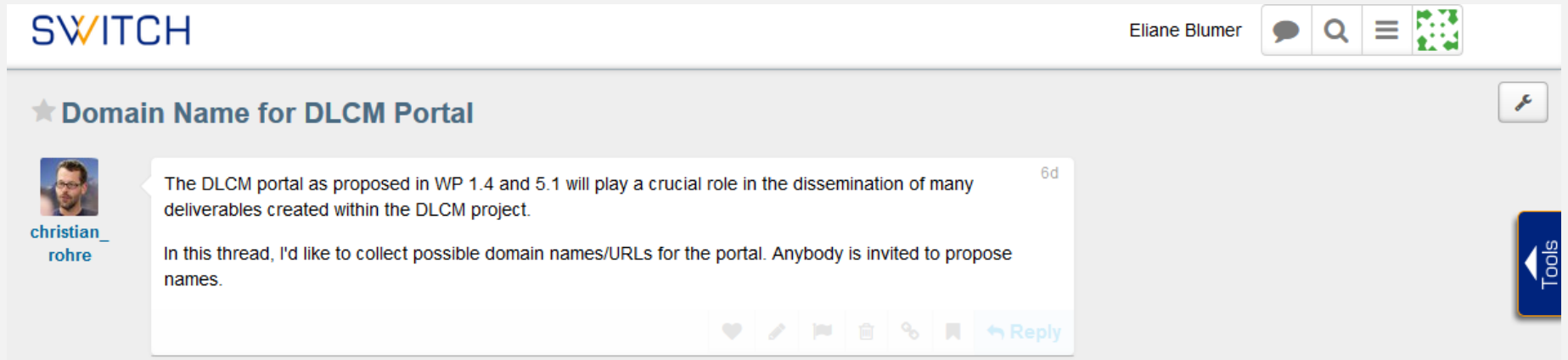
- Templates for Data Management Planning
- Guidelines, resources and policies material for Switzerland
- National portal content design, charter and business model

This means...



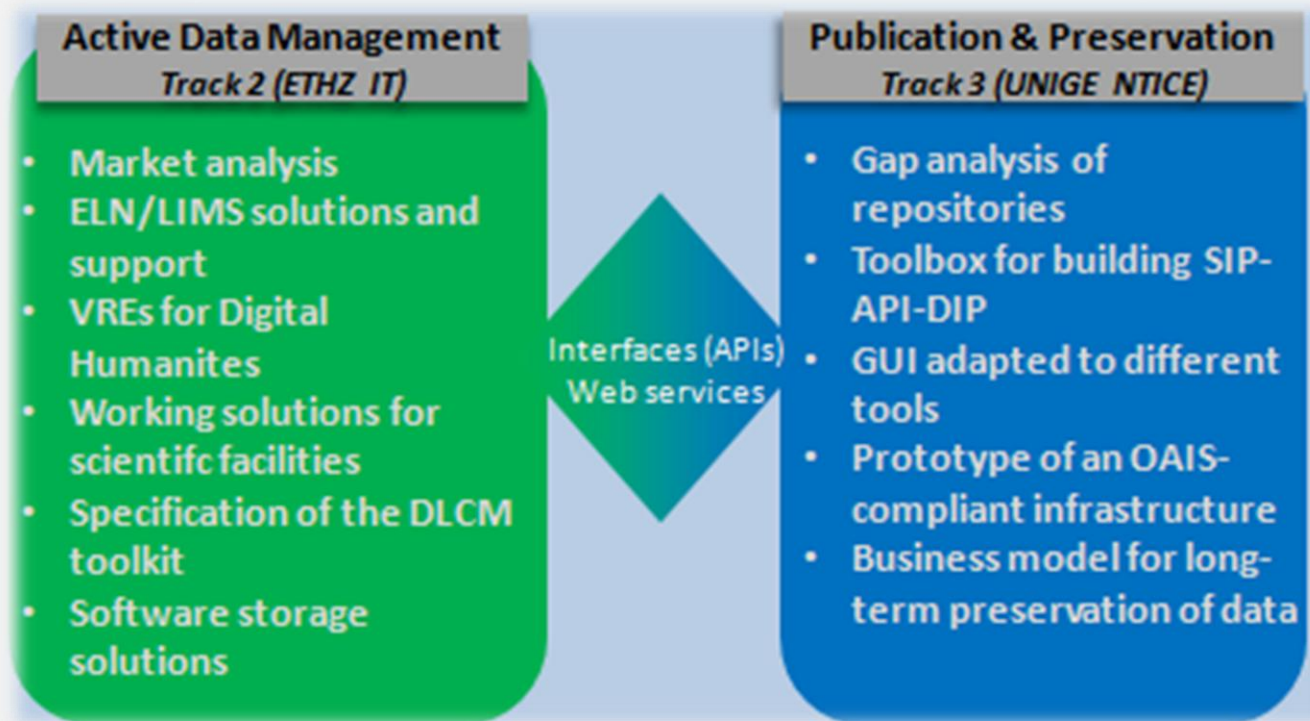
Source: Open Research Data Pilot, EPFL

This means...

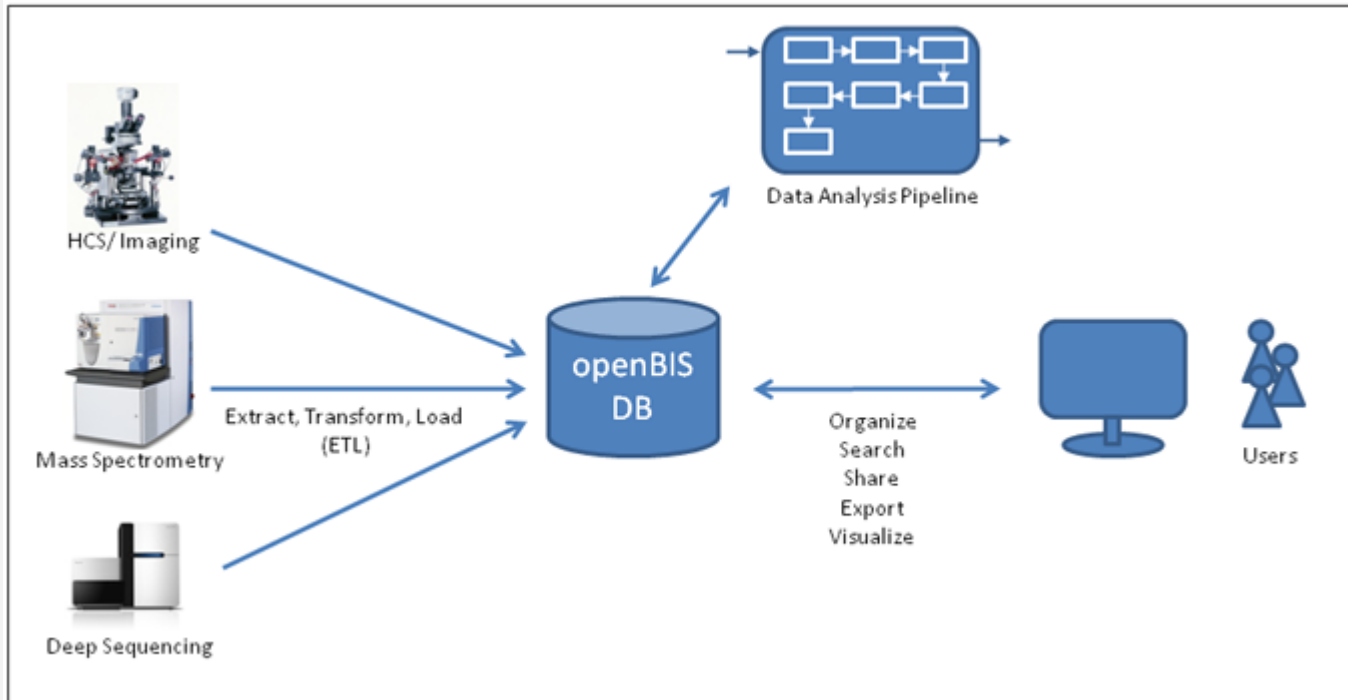


The screenshot shows a forum interface for SWITCH. At the top left is the SWITCH logo. At the top right, the user 'Eliane Blumer' is listed next to icons for chat, search, menu, and a grid. The main content is a forum post titled '★ Domain Name for DLCM Portal' with a wrench icon in the top right corner. The post is by user 'christian_rohre', whose profile picture and name are on the left. The post text reads: 'The DLCM portal as proposed in WP 1.4 and 5.1 will play a crucial role in the dissemination of many deliverables created within the DLCM project. In this thread, I'd like to collect possible domain names/URLs for the portal. Anybody is invited to propose names.' The post is dated '6d'. Below the text is a row of interaction icons: heart, pencil, flag, trash, link, bookmark, and a 'Reply' button. On the right side of the forum, there is a vertical blue 'Tools' button with a left-pointing arrow.

Active Data Management

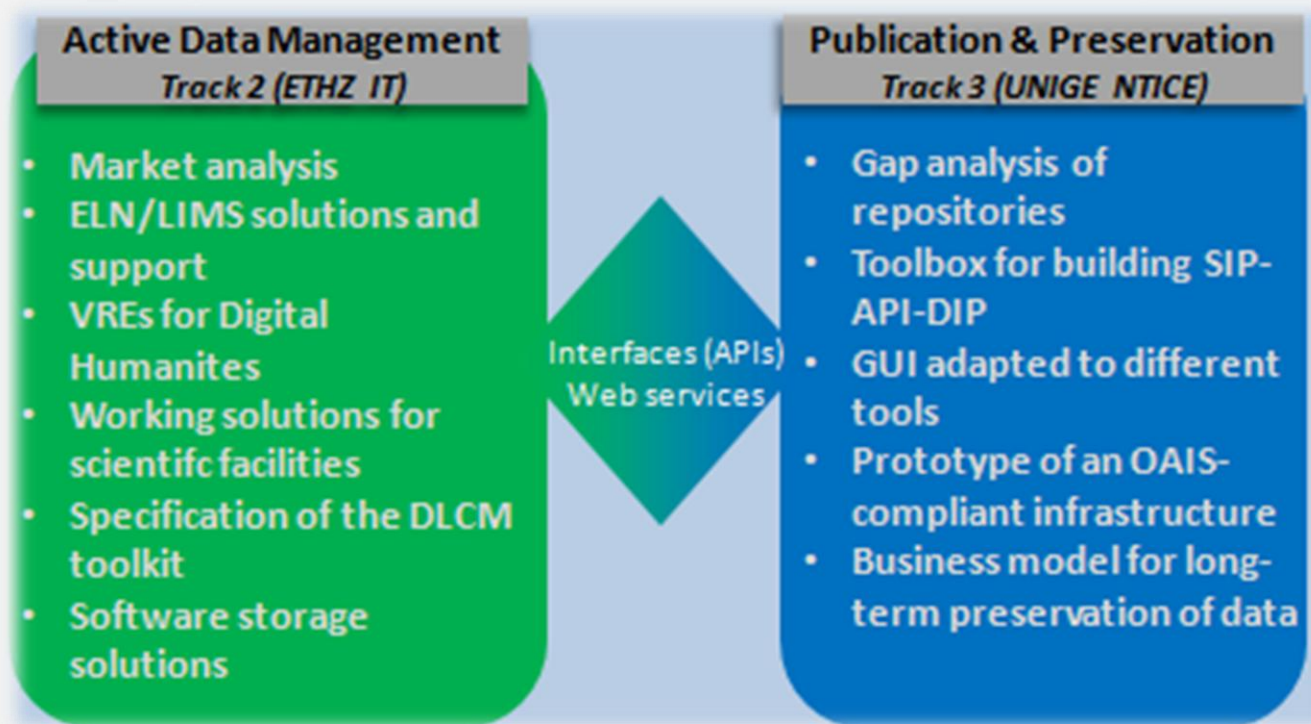


This means...




Source: OpenBIS – Biology Information System, ETH Zurich

Publication & Preservation



This means...

← Université de Genève (CH) | https://archive-ouverte.unige.ch | Rechercher

 **UNIVERSITÉ DE GENÈVE** Français

Archive ouverte UNIGE

Home






Welcome to Archive ouverte UNIGE

Archive ouverte UNIGE is the digital repository of the scientific patrimony of the University of Geneva. It has been created to harvest, conserve and give the largest possible access to the publications of the professors and researchers of the institution, following the recommendations of [Open Access](#).


Participation in the deposit of intellectual production offers major advantages: increase of visibility of research projects and quick dissemination, acceleration of scientific exchanges, guarantee of stable and enduring access to the resources, enforcement of the directives of the Swiss National Science Foundation SNF.

A team of correspondents has been formed to answer all enquiries. Do not hesitate to contact them.

Overview of the last 5 documents deposited in the Archive

	Establishing On-Site Reference Values for 123I-FP-CIT SPECT (DaTSCAN®) Using a Cohort of Individuals with Non-Degenerative Conditions	Nicastro, Nicolas; Garibotto, Valentina; Poncet, Antoine; Badoud, Simon; Burkhard, Pierre	2015-09-09 16:00
	A real-time research platform to study vestibular implants with gyroscopic inputs in vestibular deficient subjects	Nguyen, T A Khoa; Ranieri, Maurizio; DiGiovanna, Jack; Peter, Otto; Genovese, Vincenzo; ...	2015-09-09 15:48
	Two doses of rivaroxaban versus aspirin for prevention of recurrent venous thromboembolism. Rationale for and design of the EINSTEIN CHOICE study	Weitz, J J; Bauersachs, R; Beyer-Westendorf, J; Bounameaux, Henri; Brighton, T A; ...	2015-09-09 15:44
	La molasse du bassin franco-genevois et son substratum	Charollais, Jean-Jacques; Weidmann, Marc; Berger, Jean-Pierre; Engesser, Burkart; Hotellier, Jean-François; ...	2015-09-09 14:46
	La résolution d'additions simples chez les enfants de 10 à 11 ans	Dupont, Justine	2015-09-09 13:58

View all records: 46068

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Consulting/Training

Consulting & Training *Track 4 (HEG/HESSO)*

- Consulting services and helpdesks in every partner institution
- Inventory of DLCM training modules
- DLCM training modules
- Integration in LIS studies

This means...

The screenshot shows the website for the Autumn School 2015. The header includes the logos for HTW Chur (Schweizerisches Institut für Informationswissenschaft) and HEG Genève (Haute école de gestion). The main title is "Herbstschule / Autumn School" with the subtitle "New Services in Library and Information Science". A navigation menu on the left lists: Home, Aktuelles, Programm, Ansprechpartner, Anreise, and Frühere Veranstaltungen. The main content area is titled "Herbstschule 2015" and contains the following text:

Sie sind hier: Home

Herbstschule 2015

Die **Herbstschule "New Services in Library and Information Science"**, die von den informationswissenschaftlichen Hochschuleinrichtungen aus [Chur](#) und [Genf](#) gemeinsam organisiert wird findet dieses Jahr an zwei Standorten statt.

Die Herbstschule 2015 hat das Thema **"Forschungsdatenmanagement"** und wird im Rahmen des [Projekts "Train2Dacar"](#) mit finanzieller Unterstützung des [SUK-P2 Programms](#) **"Wissenschaftliche Information: Zugang, Verarbeitung und Speicherung"** durchgeführt.

Sie findet

- in **französischer Sprache vom 26.-27. Oktober in Genf in den Räumen der HEG**, sowie
- in **deutscher Sprache vom 9.-10. November im Volkshaus Zürich** statt.

An beiden Tagen werden die Schwerpunkte des Forschungsdatenmanagement in vier jeweils vierstündigen Modulen (I. Grundlagen, II. Langzeitarchivierung, III. Zugang und Nachnutzung sowie IV. Publikation und Dienstleistungen) durch die Projektpartner HEG Genf und HTW Chur unter Mitwirkung der Bibliothek der EPFL vermittelt.

Die Herbstschule richtet sich an alle, die ein Interesse am Thema Forschungsdaten haben und **setzt keine Vorkenntnisse für eine Teilnahme voraus**.

Sie werden **ab Ende August** die Möglichkeit haben, sich **online für die Veranstaltung anzumelden**.

Wir freuen uns bereits jetzt auf Ihre Teilnahme!

On the right side, there are two news items:

17.06.2015 16:00
Herbstschule 2015
[Save the date!](#)

16.05.2013 10:25
Neuer Webauftritt
[Informationen zur jährlich gemeinsam von der HTW Chur und der Fachhochschule Genf durchgeführten...](#)
zum Archiv ->

Die News zur Veranstaltung als [RSS-Feed](#) abonnieren.

Source: HEG Genève /HTW Chur, Herbstschule 2015

Outreach and Dissemination

Outreach & Dissemination Track 5 (SWITCH)

- Sensitizing campaigns
- Branding and technical operation of the portal
- Connect with relevant national and international bodies

FNSNF

SWISS NATIONAL SCIENCE FOUNDATION

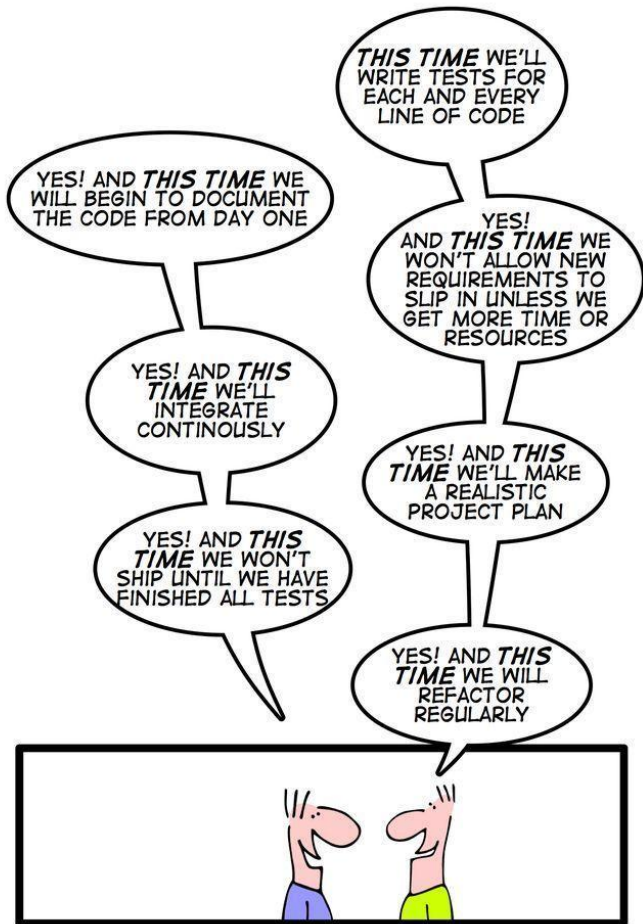


Research Data Sharing
without barriers

Jisc

DANS

KICK-OFF MEETING



IN ALL BEGINNINGS DWELLS A MAGIC FORCE *

* HERMANN HESSE

1st September 2015

Thank you
for your
attention!

Eliane Blumer

eliane.blumer@unige.ch

Pierre-Yves Burgi

pierre-yves.burgi@unige.ch



D. Fletcher for CloudTweaks.com



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- CNRS et al. Site d'information sur les données de la recherche (online). 2015. <http://www.donneesdelarecherche.fr/> (accessed 01.09.2015)
- Comics all online from D. Fletcher for CloudTweaks.com, usethedata.com, phdcomics.com, Kick-off meeting with quote from Hermann Hesse: <http://onlinefundb.com/forum/index.php?topic=1143.msg2298#msg2298> (accessed 01.09.2015)
- Data Curation Centre (online). 2015. <http://www.dcc.ac.uk/> (accessed 01.09.2015)
- Eckard, Max, et Carlos Rodriguez. Thinking Long-Term: The Research Data Life Cycle Beyond Data Collection, Analysis and Publishing. 2013.
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<http://www.herbstschule.ch/ansicht/eintrag/7.html> (accessed 01.09.2015)
- OpenBIS – Biology Information System (online). 2015.
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