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#IV. MANAGEMENTUL DATELOR - CONSIDERAȚII ETICE

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Cine este proprietarul?

- Depinde ...
 - Sursa de finanțare
 - Politica instituției în care se desfășoară activitatea
 - Existența unui contract de cercetare
 - Funcția:
 - investigator principal
 - membru în echipa de cercetare
- Subiect complex
- Depinde de fiecare caz în parte

Exemplu: politica instituției

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Chief Information Officer



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Institutional Data Policy

The [Institutional Data policy](#) specifies requirements for the protection of The Ohio State University's institutional data while preserving the open, information-sharing mission of its academic culture. The university classifies institutional data in accordance with legal, regulatory, administrative, and contractual requirements; intellectual property and ethical considerations; strategic or proprietary value; and/or operational use.

All institutional data must be assigned one of four data classification levels based on compliance, privacy, sensitivity, operational usage, and risk. Institutional data must be protected with security controls and access authorization mechanisms identified within The Ohio State University's [Information Security Standard](#). The level of protection required for institutional data is based on the data classification level assigned to such data.

What is Institutional Data?

Institutional data includes, but is not limited to, information in paper, electronic, audio, and visual formats.

Institutional data is information created, collected, maintained, transmitted, or recorded by or for the university to conduct university business. It includes (a) data used for planning, managing, operating, controlling, or auditing university functions, operations, and mission; and (b) pursuant to the requirements as set forth in the [Research Data policy](#), information created, collected, and maintained in the conduct or reporting of research at or under the authority of Ohio State, as applicable.

It does not include personal data, which is information created, collected, maintained, transmitted, or recorded by university owned devices, media, or systems in accordance with the [Responsible Use of University Computing and Network Resources policy](#) that is personal in nature and not related to university business.

Search

Documents

Policies

[Institutional Data Policy](#)

[Research Data Policy](#)

[Responsible Use of University Computing and Network Resources](#)

Standards

[Information Security Standard \(ISS\)](#)

Supporting Documents

[Institutional Data Element Classification Assignments](#)

[Permitted Data Usage By Activity](#)

[Permitted Data Usage By Service](#)

[Data Stewards for Institutional Data](#)

[Frequently Asked Questions \(FAQ\)](#)



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Information Security and Data Protection Legal and Policy Frameworks Applicable to European Union Institutions and Agencies

by Neil Robinson, Jan Gaspers

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Information Security and Data Protection Legal and Policy Frameworks Applicable to European Union Institutions and Agencies
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This study reviews the legal and policy frameworks that govern the use of information and communications technology by European Union institutions and agencies in terms of the extent to which they account for information security and data privacy.

The first set of findings is presented in Chapter 2, which suggests that legacy equipment, path dependency when it comes to law and policymaking, and the natural conservativeness of a large and complex administrative machine may act as inhibitors to building greater information security in EU institutions and agencies.

Examining legal and policy frameworks that govern and regulate the use of ICT across EU institutions and agencies, Chapter 3 finds that the overall tone of EU policy and legal frameworks governing and regulating information security resonates with a model of security based on an internally secure organisation and insecure external environment, which appears to be inconsistent with the latest evolving canon of best practice concerning inter-organisational security. Moreover, key EU information security and data protection frameworks would appear poorly aligned with many modern models of technology service delivery and use, and the potential for security and privacy requirements to be built in from the start through Security Engineering or Privacy by Design principles appears to have little visibility in many EU legal and policy frameworks.

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 - US: pacientului, formele fizice ale datelor aparțin celui responsabil pentru păstrarea acestora
 - UK: Secretary of State for Health
 - Germania: pacientului (legislație din 2013)
 - România?
 - LEGEA nr. 8/1996, actualizata 2014, privind dreptul de autor și drepturile conexe

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DISPONIBILIZAREA ȘI REUTILIZAREA DATELOR



- Beneficii ...
- Reutilizare ...
- Open access / open science / open data
- Citarea
- Aprobare ...
- Consimțământ ...

Disponibilizarea / Schimbul

- Concept vechi:
 - cercetător – cercetător
 - în echipa de cercetare
 - cadre didactice – studenți
 - publicarea → rezultate nu date brute
- Ce e nou? Disponibilizarea
 - în afara grupului de cercetare / a instituției
 - pe scară largă - online
 - cu publicul

De ce? (1)

- Data ca investiție publică
- Cerință a editorilor
- Cerință a agenției de finanțare – guvernamentală
- Permite folosirea datelor pentru a răspunde la noi întrebări și a realiza noi cercetări (cercetarea secundară)
- Maximizează transparența, responsabilitatea și controlul rezultatelor cercetării

De ce? (2)

- Crește impactul și vizibilitatea cercetării
- Poate fi considerat rezultat al cercetării
- Reduce dublarea cercetărilor
- Oferă o resursă pentru educația și formarea profesională

Beneficiari ...

- Cercetători și echipe de cercetare
- Comunitatea științifică
- Studenții
- Publicul general
- Agențiile de finanțare

Reutilizare & Disponibilizare

- Comportament negativ:
 - Nu înțeleg necesitatea și beneficiile
 - Calitate slabă a setului de date datorită designului experimental / etc.
 - Nu doresc să piardă controlul asupra datelor
 - Frica de critică
 - Cauze legale ...
 - Imposibilitate ...

Restricții în reutilizarea datelor

- Licența
- Dreptul de autor: reprezentarea datelor (grafice, tabele, modele, etc.)
- Politica instituției ± Comisia de etică
 - Anonimization/Confidențialitate/Consimțământ
- Agenția finanțatoare:
 - Public / Privat

National Science Foundation

“[NSF] expects PIs to share with other researchers, at no more than incremental cost and within a reasonable time, the data, samples, physical collections and other supporting materials created or gathered in the course of the work.”

National Institutes of Health

The data produced in the course of the funded research *“should be made as widely and freely available as possible while safeguarding the privacy of participants, and protecting confidential and proprietary data.”*

Open Data

“A piece of data or content is open if anyone is free to use, reuse, and redistribute it– subject only to the requirement to attribute and/or share-alike.”

(Open Knowledge Foundation)

Open data

- Principiile Panton

- Când publicați datele, însoțiți datele de meta-data
- Utilizați o licența care se potrivește tipului de date pe care îl aveți
- Specificați clauzele utilizării datelor (open access = nu există clauze restrictive sau non-comerciale)

Schimbul de date în echipa de cercetare

- Locația: unde sunt stocate datele?
- Structurarea folderelor: cât de ușor se pot localiza folderele
- Standard în denumirea fișierelor
- Versiunea documentelor
- Formatul datelor
- Responsabilitatea
- Comunicarea
- Documentarea și back-up-ul

Schimbul de date în afara echipei de cercetare

1. Reglementările universității ± ale finanțatorului
 2. Întreabă investigatorul principal
 3. Cere detalii comisiei de etică
- Atenție la confidențialitatea datelor!
 - Ai dreptul să disponibilizezi datele?
 - Când disponibilizez datele?
 - Care este scopul disponibilizării?
 - Disponibilizezi date brute sau analizate?
 - ...

Citarea: de ce?

- Oferă credit autorilor (evităm plagiatul)
- Permite urmărirea utilizării datelor
- Permite altor cercetători să utilizeze datele în scop personal respectiv la reproducerea experimentului
- Permite măsurarea impactului

Autor. Titlu. Versiunea±Data. Data publicării. Data arhivării. Localizare (URL /DOI)

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Data policies


Scientific Data publishes manuscripts describing scientifically valuable datasets. These datasets must be made available to editors and referees at the time of submission, and must be shared with the scientific community as a condition of publication. Authors will need to identify a data repository suitable for their datasets. On this page, we provide information on the types of data that should be archived, how authors should select an appropriate repository for their data, and how to deal with sensitive data.

Please read on for our data deposition policies, and please [contact us](#) if you would like additional advice on how best to meet these requirements for your own data.


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Scientific Data is an open-access, peer-reviewed publication for descriptions of scientifically valuable datasets. Our primary article-type, the **Data Descriptor**, is designed to make your data more discoverable, interpretable and reusable.

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THE DATA CITATION INDEX™

CONNECTING THE DATA TO THE RESEARCH IT INFORMS

What is it?

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REPOSITORY EVALUATION, SELECTION, AND COVERAGE POLICIES FOR THE DATA CITATION INDEX WITHIN THOMSON REUTERS WEB OF SCIENCE

With the ever increasing amount of digital data being produced and made available, either voluntarily or through policy requirements from grant funding agencies, the need to discover and provide credit for the creation of scholarly research data has never been greater. Starting in 2012, Thomson Reuters will include the Data Citation IndexSM within Web of Science, allowing for search and discovery of the scientific research data and links to the published literature with appropriate citation metrics. Thomson Reuters must balance the selection of material for inclusion in Data Citation Index with the ever-increasing abundance of digital web based resources. This essay sets forth the criteria and procedures for inclusion in the new Index.

As always, Thomson Reuters remains responsive to new, innovative developments in data publication which share our mission to bring the existence of the data to the attention of the scholarly community.

• THE DATA CITATION INDEX

• THE BENEFITS OF THE INITIATIVE

• THE INDEXED

<http://www.datadryad.org/pages/repository>

The screenshot shows the Dryad website's repository page. At the top left is the Dryad logo, a green tree with a circular path around it. To the right of the logo are social media icons for Twitter, Facebook, and RSS. Below the logo is a navigation menu with the following items: "About", "For researchers", "For organizations", "Contact us", "Log in", and "Sign up".

Below the navigation menu are three tabs: "Key Features", "The Technology", and "Accessibility". The "Key Features" tab is active and contains a four-step process:

- 1 DEPOSIT DATA**: Accompanied by a bar chart icon.
- 2 GET PERMANENT IDENTIFIER**: Accompanied by a rock specimen icon and the URL <http://dx.doi.org/10.5061/dryad.20>.
- 3 WATCH YOUR CITATIONS GROW!**: Accompanied by a quote icon.
- 4 RELAX, YOUR DATA ARE DISCOVERABLE AND SECURE**: Accompanied by a padlock icon.

To the right of the key features is a large green button labeled "Submit data now" with a link "How and why?" below it. Below this is a search section titled "Search for data" with a search input field containing the placeholder text "Enter keyword, DOI, etc.", a "Go" button, and a link for "Advanced search".

Maslon MM, Heras SR, Bellora N, Eyraş E, Cáceres JF (2014) Data from: The translational landscape of the splicing factor SRSF1 and its role in mitosis. *eLife* <http://dx.doi.org/10.5061/dryad.5sv39>

Maslon MM, Heras SR, Bellora N, Eyraş E, Cáceres JF (2014) Data from: The translational landscape of the splicing factor SRSF1 and its role in mitosis. Dryad Digital Repository. <http://dx.doi.org/10.5061/dryad.5sv39>



About ▾ For researchers ▾ For organizations ▾

Data from: The translational landscape of the splicing factor SRSF1 and its role in mitosis



Upper-middle-income economies (\$4,126 to \$12,745)

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Algeria	Grenada	Peru
American Samoa	Hungary	Romania

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Additional charges will apply to data packages in excess of 10 GB and from journals without integrated submission. [The price schedule is detailed here](#).

Files in this package

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Title Supplementary file 1-SRSF1 translational targets

Downloaded 46 times

Description Data containing list of 1576 mRNAs that polysomal-association in response to targets tab). Data are supplied as an Excel spreadsheet. The spreadsheet contains 4 columns: gene name, refSeq mRNA ID, psr, and P-value. The description tab contains information on negative controls in all validation experiments.

Download [Supplementary file 1.xlsx \(142.9Kb\)](#)

Details [View File Details](#)

	A	B	C	D	E	F	G	H	I
	Gene Name	refSeq mRNA ID	psr	P-value	mRNA length	N CLIP tags	N CM	silac INDEX	cyto_SRSF1
1	CEBPZ	NM_005760	2.95282	0	3341	1	1	0.76	1.84
2	PDCD10	NM_145859	2.94444	0	1313	1	1	0.06	4.769
3	AASDH	NM_181806	2.9267	0	3573	1	0	NA_SILAC	1.465

<https://open-data.europa.eu/en/data/>



European Union Open Data Portal

EUROPA > Open Data Portal > About

Data Applications Linked Data Developers' corner About

Data provider's area

What is the European Union Open Data Portal?

Share

The European Union Open Data Portal is the single point of access to a growing range of data from the institutions and other bodies of the European Union (EU). Data are free for you to use and reuse for commercial or non-commercial purposes.

By providing easy and free access to data, the portal aims to promote their innovative use and unleash their economic potential. It also aims to help foster the transparency and the accountability of the institutions and other bodies of the EU.

The EU Open Data Portal is managed by the Publications Office of the European Union. Implementation of the EU's open data policy is the responsibility of the Directorate-General for Communications Networks, Content and Technology of the European Commission.

ec.europa.eu/eurostat/cache/metadata/en/hlth_ps_scre_esms.htm

Apps Translate ISI Scopus webmail ANELiS 2011 Diff UEFISCDI Fisher's articles Biodiv J

eurostat

Breast cancer and cervical cancer screenings (hlth_ps_scre)

Reference Metadata in Euro SDMX Metadata Structure (ESMS)
Compiling agency: Eurostat, the statistical office of the European Union

Eurostat metadata

Reference metadata

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Open Data



Open Data are online, free of cost, accessible data that can be used, reused and distributed provided that the data source is attributed and shared alike.

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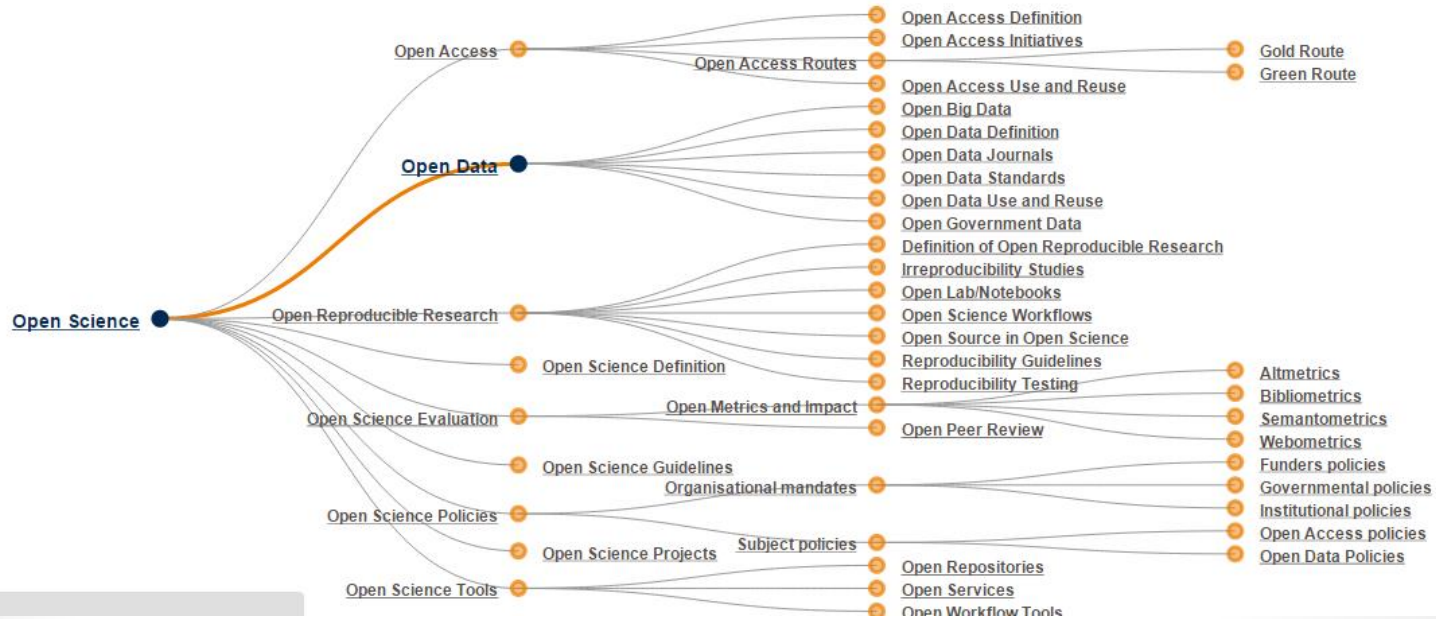
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Open Science

Research Data Management

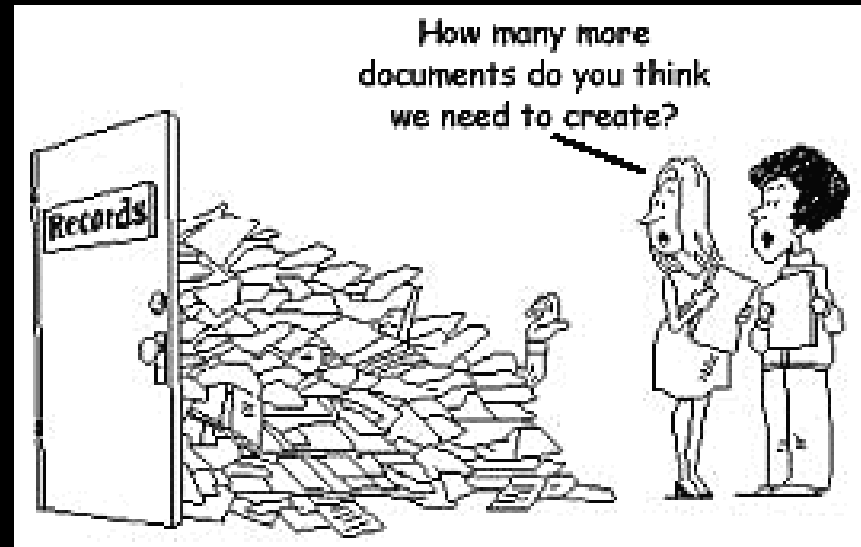
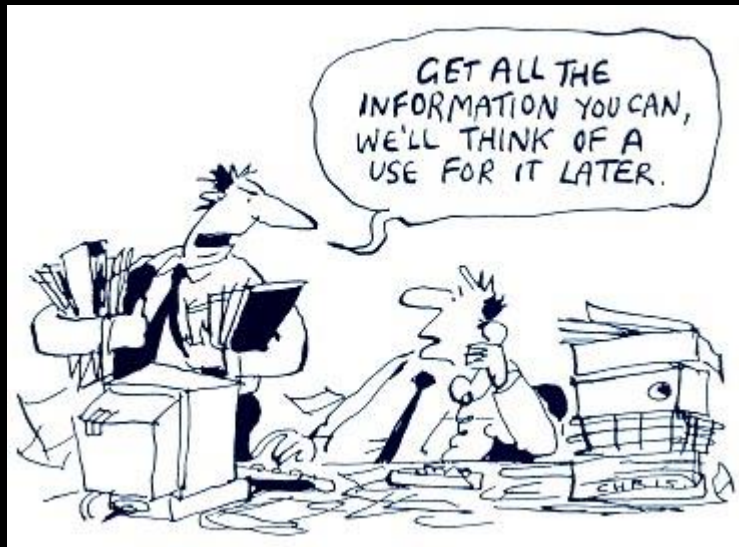
Ethics

Legal Issues



TAKE HOME MESSAGE!

Accesul liber la date are consecințe asupra întregului proces de cercetare!



"I have some paperwork to catch up. If I'm not back in two days, organize a search and rescue team!"

