OPUS Researcher Assessment Framework (RAF)

Alina Irimia | UEFISCDI & OPUS

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alina.Irimia@uefiscdi.ro

OPUS Project

Proiectul OPUS dezvoltă măsuri de coordonare și sprijin pentru a reforma evaluarea cercetării și a cercetătorilor din organizațiile de cercetare (RPO) și organizațiile de finanțare a cercetării (RFO), orientându-se către un sistem care să stimuleze și să recompenseze cercetătorii pentru Știința Deschisă (Open Science), punând accent pe indicatori/metrici, precum și pe intervenții menite să sprijine Știința Deschisă.

OPUS
Grant agreement ID: 101058471

DOI
10.3030/101058471 ↗

EC signature date
7 April 2022

Start date
1 September 2022

End date
31 August 2025

Funded under
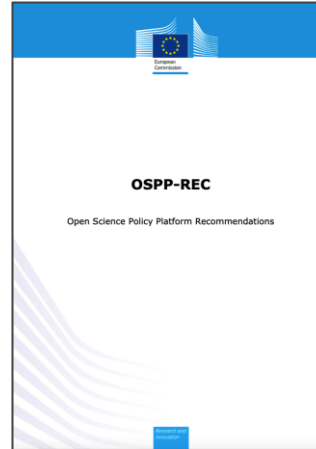Reforming and enhancing the European R&I System

Total cost
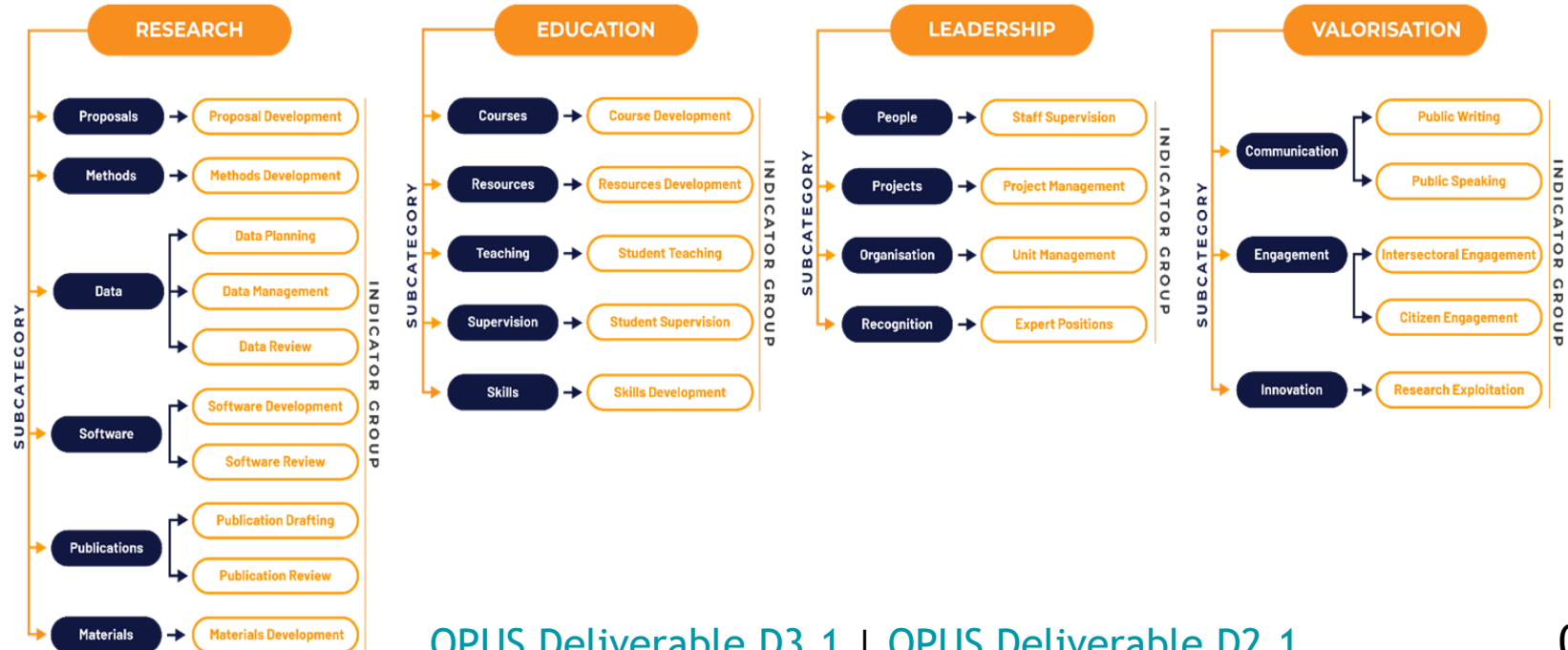€ 1 726 900,00

EU contribution
€ 1 726 898,00

Key Initiatives to Reform Research Assessment

C&C | DORA | Leiden Manifesto | OSPP-REC | Hong Kong Principles | CoARA

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OPUS Researcher Assessment Framework (RAF) V1

OPUS Deliverable D3.1 | OPUS Deliverable D2.1

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Principii și acțiuni OPUS pentru evaluarea cercetătorilor:

1. Dezvoltarea unui set cuprinzător de indicatori pentru organizațiile de cercetare (RPO) și organizațiile de finanțare a cercetării (RFO)
2. Aplicabilitate transversală: în diferite țări, discipline și organizații+
3. Combinarea evaluării cantitative și calitative
4. Accent principal pe evaluarea cercetătorilor (și a proiectelor)
5. Acoperirea întregului spectru de activități desfășurate de cercetători

6. Oferirea unui cadru general pentru evaluarea activităților cercetătorilor
7. 7âOferirea unui cadru specific pentru evaluarea activităților de tip Open Science (Știință Deschisă)
8. Distincția clară între procese, produse (rezultate) și efecte (impacturi)
9. Formularea indicatorilor într-un mod care să ghideze implementarea, dar să permită flexibilitate
10. Decizia privind selecția, rafinarea și prioritizarea indicatorilor ramane la RPO și RFO

OPUS Researcher Assessment Framework (RAF) V2

Research	Education	Leadership	Valorisation
Proposals	Courses	Personnel	Articles
Methods	Resources	Projects	Appearances
Data	Teaching	Organisation	Engagements
Software	Supervision	Recognition	Exploitation
Publications	Skills		Entrepreneurship
Materials			
Reviews			

OPUS RAF Research Indicators

Research
Proposals
Methods
Data
Software
Publications
Materials
Reviews

RAF > Research > Data

Dimension	Indicator Type	Indicator
Generic	Process	(FAIR) Data Management Plans Being Drafted
		(FAIR) Data Sets Being Developed
	Output	(FAIR) Data Management Plans Finalised
		(FAIR) Data Sets Finalised
	Outcome	(FAIR) Data Management Plans Implemented
		(FAIR) Data Sets Published
		(FAIR) Data Sets Accessed
		(FAIR) Data Sets Cited
		(FAIR) Data Sets Reused

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RAF > Research > Data

Dimension	Indicator Type	Indicator
Open	Process	Draft (FAIR) Data Management Plans Openly Available
		Developing (FAIR) Data Sets Openly Available
	Output	Finalised (FAIR) Data Management Plans Openly Available
		Finalised (FAIR) Data Sets Openly Available
	Outcome	Implemented (FAIR) Data Management Plans Openly Available
		Published (FAIR) Data Sets Openly Available
		Openly Available (FAIR) Data Sets Accessed
		Openly Available (FAIR) Data Sets Cited
		Openly Available (FAIR) Data Sets Reused

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RAF > Research > Methods

Dimension	Indicator Type	Indicator
Generic	Process	Method Sets Being Developed
	Output	Method Sets Finalised
	Outcome	Method Sets Implemented
		Method Sets Accessed
		Method Sets Cited
		Method Sets Reused

RAF > Research > Methods

Dimension	Indicator Type	Indicator
Open	Process	Developing Method Sets Openly Available
	Output	Finalised Method Sets Openly Available
	Outcome	Implemented Method Sets Openly Available
		Openly Available Method Sets Accessed
		Openly Available Method Sets Cited
		Openly Available Method Sets Reused

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RAF > Research > Publications

Dimension	Indicator Type	Indicator
Generic	Process	Publications Being Drafted
	Output	Publications Submitted
	Outcome	Publications Published
		Publications Accessed
		Publications Cited

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RAF > Research > Publications

Dimension	Indicator Type	Indicator
Open	Process	Draft Publications Openly Available
	Output	Submitted Publications Openly Available
	Outcome	Published Publications Openly Available
		Openly Available Publications Accessed
		Openly Available Publications Cited

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RAF > Research > Materials

Dimension	Indicator Type	Indicator
Generic	Process	Material Sets Being Developed
	Output	Material Sets Finalised
	Outcome	Material Sets Implemented
		Material Sets Accessed
		Material Sets Cited
		Material Sets Reused

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RAF > Research > Materials

Dimension	Indicator Type	Indicator
Open	Process	Developing Material Sets Openly Available
	Output	Finalised Material Sets Openly Available
	Outcome	Implemented Material Sets Openly Available
		Openly Available Material Sets Accessed
		Openly Available Material Sets Cited
		Openly Available Material Sets Reused

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OPUS RAF Education Indicators

Education
Courses
Resources
Teaching
Supervision
Skills

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RAF > Education > Courses

Dimension	Indicator Type	Indicator
Generic	Process	Courses Being Developed
	Output	Courses Finalised
	Outcome	Courses Implemented

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RAF > Education > Courses

Dimension	Indicator Type	Indicator
Open	Process	Developing Courses Openly Available
		Courses involving Open Science Being Developed
	Output	Finalised Courses Openly Available
		Courses involving Open Science Finalised
	Outcome	Implemented Courses Openly Available
		Courses involving Open Science Implemented

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RAF > Education > Resources

Dimension	Indicator Type	Indicator
Generic	Process	Resources Being Developed
	Output	Resources Finalised
	Outcome	Resources Implemented
		Resources Accessed
		Resources Cited
		Resources Reused

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RAF > Education > Resources

Dimension	Indicator Type	Indicator
Open	Process	Developing Resources Openly Available
		Resources involving Open Science Being Developed
	Output	Finalised Resources Openly Available
		Resources involving Open Science Finalised
	Outcome	Implemented Resources Openly Available
		Resources involving Open Science Implemented
		Openly Available Resources Accessed
		Openly Available Resources Cited
		Openly Available Resources Reused

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RAF > Education > Teaching

Dimension	Indicator Type	Indicator
Generic	Process	Students Being Taught in Courses
	Output	Students Taught in Courses
	Outcome	Students Passed in Courses

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RAF > Education > Teaching

Dimension	Indicator Type	Indicator
Open	Process	Students Being Taught in Openly Available Courseså
		Students Being Taught in Courses involving Open Science
	Output	Students Taught in Openly Available Courses
		Students Taught in Courses involving Open Science
	Outcome	Students Passed in Openly Available Courses
		Students Passed in Courses involving Open Science

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RAF > Education > Supervision

Dimension	Indicator Type	Indicator
Generic	Process	Students Being Supervised
	Output	Students Supervised
	Outcome	Supervised Student Activities
		Supervised Student Outputs
		Supervised Students Graduated

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RAF > Education > Supervision

Dimension	Indicator Type	Indicator
Open	Process	Students Being Supervised involving Open Science
	Output	Students Supervised involving Open Science
	Outcome	Supervised Student Activities involving Open Science
		Supervised Student Outputs Openly Available
		Supervised Student Outputs involving Open Science
		Supervised Students involving Open Science Graduated

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RAF > Education > Skills

Dimension	Indicator Type	Indicator
Generic	Process	Skills Courses Being Followed
	Output	Skills Courses Completed
	Outcome	Skills Certificates Obtained

RAF > Education > Skills

Dimension	Indicator Type	Indicator
Open	Process	Skills Courses involving Open Science Being Followed
	Output	Skills Courses involving Open Science Completed
	Outcome	Skills Certificates involving Open Science Obtained

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OPUS RAF Leadership Indicators

Leadership
Staff
Projects
Organisation
Recognition

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RAF > Leadership > Staff

Dimension	Indicator Type	Indicator
Generic	Process	Staff Being Supervised
	Output	Staff Supervised
	Outcome	Supervised Staff Activities
		Supervised Staff Outputs
		Supervised Staff Progressed

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RAF > Leadership > Staff

Dimension	Indicator Type	Indicator
Open	Process	Staff Being Supervised involving Open Science
	Output	Staff Supervised involving Open Science
	Outcome	Supervised Staff Activities involving Open Science
		Supervised Staff Outputs Openly Available
		Supervised Staff involving Open Science Progressed

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RAF > Leadership > Projects

Dimension	Indicator Type	Indicator
Generic	Process	Projects Being Managed
	Output	Projects Completed
	Outcome	Projects Successfully Evaluated

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RAF > Leadership > Projects

Dimension	Indicator Type	Indicator
Open	Process	Projects involving Open Science Being Managed
	Output	Projects involving Open Science Completed
	Outcome	Projects involving Open Science Successfully Evaluated

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RAF > Leadership > Organisation

Dimension	Indicator Type	Indicator
Generic	Process	Management Positions Assigned
		Management Position Activities
	Output	Management Positions Completed
		Management Position Outputs
	Outcome	Management Position Outcomes

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RAF > Leadership > Organisation

Dimension	Indicator Type	Indicator
Open	Process	Management Positions involving Open Science Assigned
		Management Position Activities involving Open Science
	Output	Management Positions involving Open Science Completed
		Management Position Outputs Openly Available
		Management Position Outputs involving Open Science
	Outcome	Management Position Outcomes Openly Available
		Management Position Outcomes involving Open Science

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OPUS RAF Valorisation Indicators

Valorisation
Articles
Appearances
Engagements
Exploitation
Entrepreneurship

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RAF > Valorisation > Engagements

Dimension	Indicator Type	Indicator
Generic	Process	(Inter)sectoral Engagements
	Output	(Inter)sectoral Outputs
	Outcome	(Inter)sectoral Outcomes

RAF > Valorisation > Engagements

Dimension	Indicator Type	Indicator
Open	Process	(Inter)sectoral Engagements involving Open Science
	Output	(Inter)sectoral Outputs involving Open Science
	Outcome	(Inter)sectoral Outcomes Openly Available
		Openly Available (Inter)sectoral Outcomes Accessed
		Openly Available (Inter)sectoral Outcomes Cited
		(Inter)sectoral Outcomes involving Open Science Accessed
		(Inter)sectoral Outcomes involving Open Science Cited

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RAF > Valorisation > Exploitation

Dimension	Indicator Type	Indicator
Generic	Process	Research Outputs with IPR Being Defined
	Output	Research Outputs with Defined IPR
	Outcome	Research Outputs with Licenses

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RAF > Valorisation > Exploitation

Dimension	Indicator Type	Indicator
Open	Process	Openly Available Research Outputs with IPR Being Defined
	Output	Openly Available Research Outputs with Defined IPR
	Outcome	Research Outputs with Open Licenses

RAF > Valorisation > Entrepreneurship

Dimension	Indicator Type	Indicator
Generic	Process	Spin-offs/Start-ups Being Created
	Output	Spin-offs/Start-ups Created
	Outcome	Spin-off/Start-up Employees
		Spin-off/Start-up Products
		Spin-off/Start-up Services

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RAF > Valorisation > Entrepreneurship

Dimension	Indicator Type	Indicator
Open	Process	Open Science Spin-offs/Start-ups Being Created
	Output	Open Science Spin-offs/Start-ups Created
	Outcome	Open Science Spin-off/Start-up Employees
		Open Science Spin-off/Start-up Products
		Open Science Spin-off/Start-up Services

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Criterii legate de DMP în programe de finanțare naționale

Centres of Excellence (CoE) https://uefiscdi.gov.ro/centre-de-excelenta-coex

Proiecte Complexe de Cercetare de Frontieră (PCCF) https://uefiscdi.gov.ro/news-dezbatere-publica-proiecte-de-cercetare

"Provocări - Schimbare" (PPS): https://uefiscdi.gov.ro/news-dezbatere-publica-pachet-informatii-provocari-schimbare-pps

B.3 Implementation

B.3.2 Work plan and schedule

- Describe how open science practices (e.g. Open Access to publications[6], research data management, citizen science, and other[7] are implemented and show how their implementation is adapted to the nature of work, therefore increasing the chances of the project delivering on its objectives. *If proposers believe that none of the open science practices apply to their project, please provide a justification.*
- Describe the practices for research data management (RDM)[8] used in the project in line with FAIR principles (Findable, Accessible, Interoperable and Reusable). Should the proposal be funded, a plan for data management (DMP - Data Management Plan) will be developed in the consortium within the first 6 months of implementation.

Cererea de finanţare

Implementation Criterion

Work plan and schedule

- *the expertise level of researchers nominated in the project team is good and well-correlated with their contribution in the project;*
- *the proposed activities, deliverables and milestones are well structured and ensure the achievement of the proposed objectives and expected results, with adequate means of verification and contingency plans;*
- *the responsibilities of the people involved are adequately described, including new necessary staff positions;*
- *the Gantt diagram is realistic;*
- *the research agenda is updated based on public consultation with industry, NGOs, citizens and public authorities as potential users of the research results;*
- *the Open Science practices are well demonstrated;*
- *the research data management is convincing and in compliance with the FAIR principles;*
- *throughout the project implementation, gender equality, inclusion and diversity are ensured by all organisations involved in the consortium;*
- *the ethical issues are appropriately addressed (if applicable).*

Fișa de evaluare

Pilot

Data   Data Planning

Dimension	Indicator Type	Indicator
	Process	(FAIR) Data Management Plans Being Drafted
	Output	(FAIR) Data Management Plans Finalised

Thank you!