

Alternatives to journal-based metrics in research assessment

Alexander Refsum Jensenius Science Europe Conference on Open Science 18 October 2022

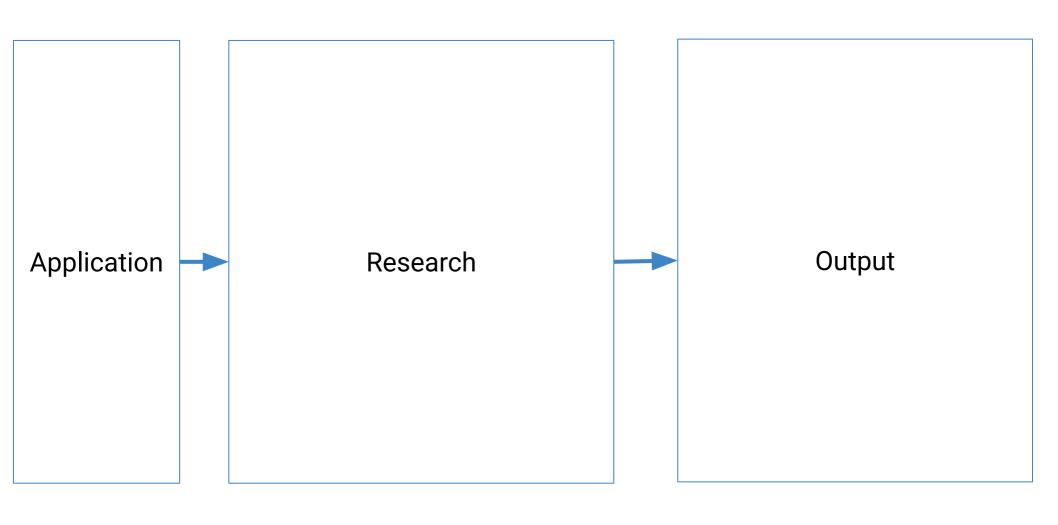


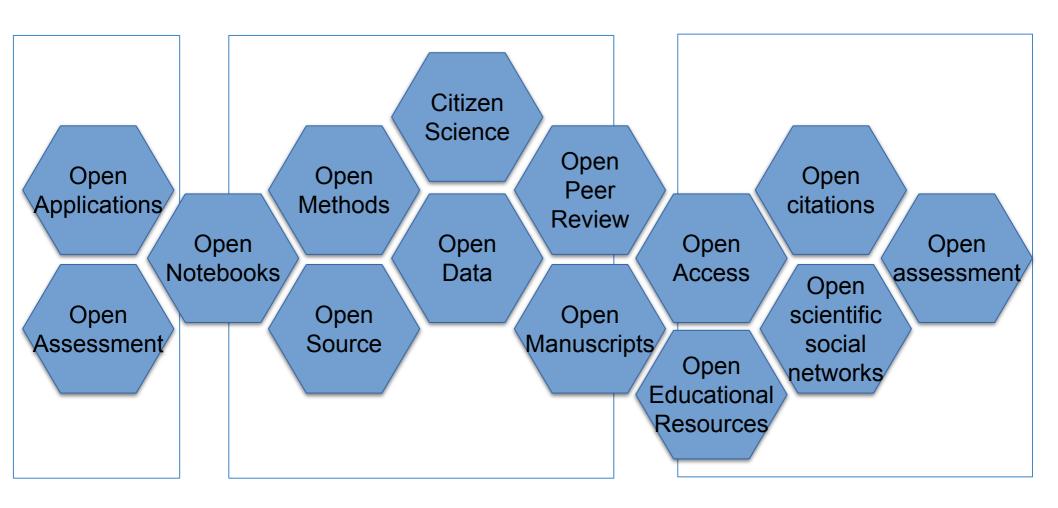
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Open Science ≈ Open Research

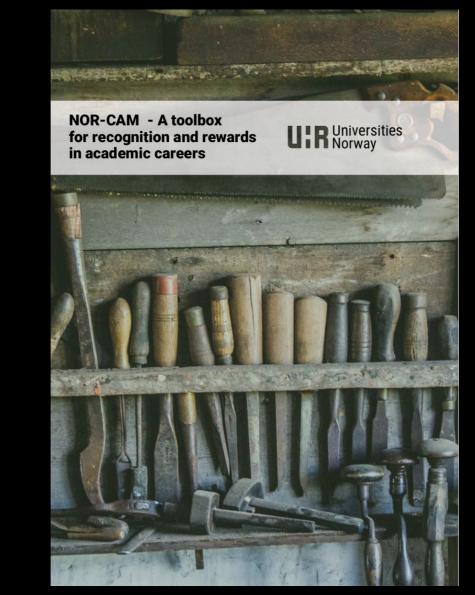






NOR-CAM

Norwegian Career Assessment Matrix







Evaluation of Research Careers fully acknowledging Open Science Practices

Rewards, incentives and/or recognition for researchers practicing Open Science

Written by the Working Group on Rewards under Open Science July - 2017

> Research an Innovation

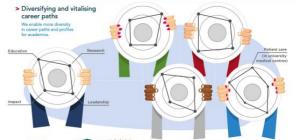


european university association

Inspiration

Room for everyone's talent

towards a new balance in the recognition and rewards of academics



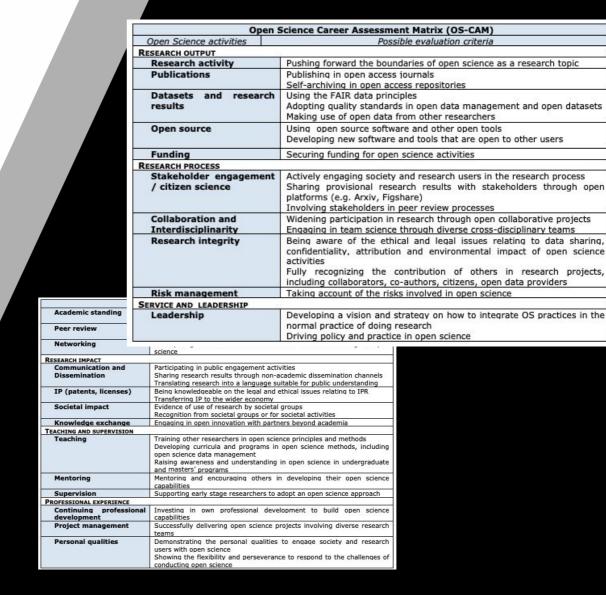


> Stimulating open science
We encourage academics to share their





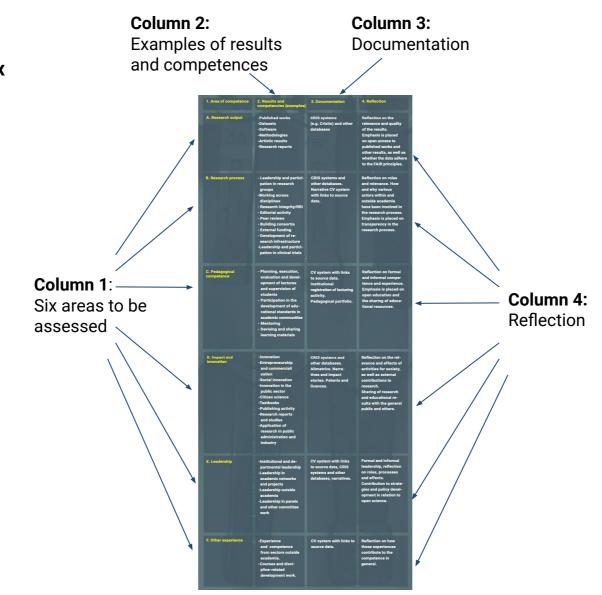
 Stimulating academic leadership We stimulate good academic leadership at all levels. The Open Science Career Assessment Matrix (OS-CAM)



Six principles

- Measure quality and excellence through a better balance between quantitative and qualitative goals
- Recognise several competencies as merits but not in all areas at the same time or by each employee
- Assess all results, activities and competencies in the light of Open Science principles
- Practice transparency in the assessment and visibility of what should be recognised as merit
- Promote gender balance and diversity
- Assist in the concrete practice of job vacancy announcements and assessment processes locally

NOR-CAM - Norwegian Career Assessment Matrix



1. Area of competence	2. Results and competencies (examples)	3. Documentation	4. Reflection
A. Research output	-Published works -Datasets -Software -Methodologies -Artistic results -Research reports	CRIS systems (e.g. Cristin) and other databases	Reflection on the relevance and quality of the results. Emphasis is placed on open access to published works and other results, as well as whether the data adhere to the FAIR principles.

B. Research process

- Leadership and participation in research groups -Working across disciplines - Research integrity/RRI - Editorial activity - Peer reviews - Building consortia - External funding - Development of research infrastructure -Leadership and participation in clinical trials

CRIS systems and Reflection on roles other databases. and relevance. How and why various with links to source actors within and outside academia have been involved in the research process. Emphasis is placed on transparency in the research process.

C. Pedagogical competence

- Planning, execution, evaluation and development of lectures and supervision of students
 Participation in the
- development of educational standards in academic communities
- Mentoring
- Devising and sharing learning materials

CV system with links to source data. Institutional registration of lecturing

activity.

Pedagogical portfolio.

Reflection on formal and informal competence and experience. Emphasis is placed on open education and the sharing of educational resources.

D. Impact and innovation

-Innovation -Entrepreneurship and commerciali sation -Social innovation -Innovation in the public sector -Citizen science -Textbooks -Publishing activity -Research reports and studies -Application of research in public administration and industry

CRIS systems and other databases.
Altmetrics. Narratives and impact stories. Patents and licences.

Reflection on the relevance and effects of activities for society, as well as external contributions to research. Sharing of research and educational results with the general public and others.

E. Leadership

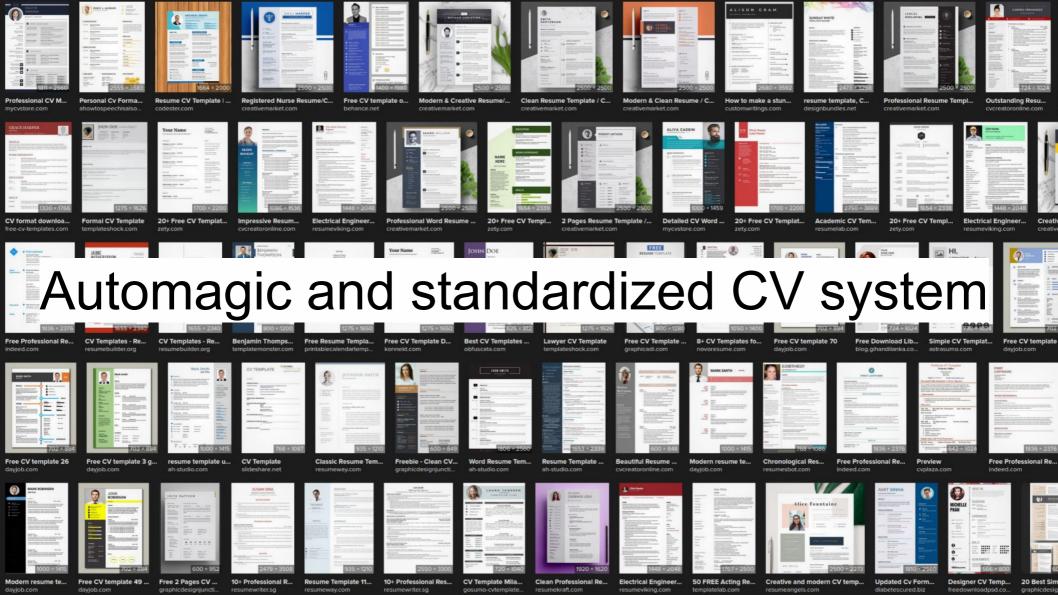
-Institutional and departmental leadership -Leadership in academic networks and projects -Leadership outside academia -Leadership in panels and other committee work

CV system with links to source data, CRIS systems and other databases, narratives. Formal and informal leadership, reflection on roles, processes and effects.

Contribution to strategies and policy development in relation to open science.

F. Other experience
-Experience
and competence
from sectors outside
academia.
-Courses and discipline-related
development work.

CV system with links to
Reflection on how
these experiences
contribute to the
competence in
general.



Automagic and standardized CV system

- User friendly
- Web based
- Retrieve data from different national and international systems
- Integrated with recruitment/assessment systems

