

Horizon 2020 Policy Support Facility



MLE on Open Science EC-BE Open Science conference

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Goals of Mutual Learning Exercises

Mutual Learning Exercise

1

Address challenges related to the implementation of Open Science

2

Identify good practices, lessons learned and success factors by analysis and discussion of member states' experiences

3

Promote policy learning from each other

4

Provide high level advice and assistance from external experts in fine-tuning or implementing change in the design of current policy system

5

Follow a modular approach with country visits, workshops, etc.



MLE on Open Science

Jan 2017 – Jan 2018, 13 countries



Frank Miedema
Chair



Katja Mayer
Rapporteur and
expert



Sabina Leonelli
Expert



Kim Holmberg
Expert

Three topics:

1. The potential of altmetrics – alternative (i.e. non-traditional) metrics that go beyond citations of articles – to foster Open Science
2. Incentives and rewards for researchers to engage in Open Science activities
3. Guidelines for developing and implementing national policies for Open Science

<https://rio.jrc.ec.europa.eu/en/policy-support-facility/mle-open-science-altmetrics-and-rewards>





**Armenia
Austria
Belgium
Bulgaria
Croatia
France
Latvia
Lithuania
Moldova
Portugal
Slovenia
Sweden
Switzerland**



MLE on Open Science: 4 Thematic reports

Different types of Altmetrics (Kim Holmberg)	Altmetrics and Rewards (Kim Holmberg)	Incentives and Rewards to engage in Open Science Activities (Sabina Leonelli)	Implementing Open Science: Strategies, Experiences and Models (Sabina Leonelli)
<p>Conclusions:</p> <ul style="list-style-type: none"> • Altmetrics are not yet being used for research evaluation purposes. • Altmetrics hold a lot of promise, but it is too early to use them for research evaluation and decision making. • More research is needed. 	<p>Issues are:</p> <ul style="list-style-type: none"> • Not enough evidence • Limitations of (proprietary) data sources • Methods are not yet open 	<p>The report suggests that incentives and rewards should be applied to three groups of key stakeholders: (1) researchers; (2) research-performing institutions and funding bodies; and (3) national governments.</p>	<p>This report</p> <ul style="list-style-type: none"> • proposes a National Roadmap for the Implementation of Open Science • outlines key priorities and principles underpinning the implementation of Open Science at the national level • reviews existing experiences in developing and supporting OS activities and related policies • summarises the strategies, lessons learnt and models

<http://europa.eu/!bj48Xg>



Roadmap for Open Science Implementation

Map	Identify key stakeholders and Open Science champions
Plan	Devise national strategy through consultation with stakeholders
Incentivize	Change reward system to incentivize all aspects of Open Science
Promote	Encourage critical and informed thinking
Support	Participate in international initiatives
Implement	Implement strategy, starting from Open Access
Monitor	Monitor and tackle emerging issues as they arise





Mutual Learning Exercise

Open Science: Altmetrics and Rewards

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Rapporteur: Katja Mayer

Final Report

1. INTRODUCTION
2. METHODOLOGY
3. BACKGROUND OPEN SCIENCE
 - The status of Open Science in Europe – implementation and aspiration
 - Altmetrics
 - Incentives and rewards
 - National initiatives for open science
4. POSITIONS AND PERSPECTIVES FROM MEMBER STATES AND PARTICIPATING COUNTRIES
5. LESSONS LEARNED
 - Key concerns and best practice
 - Priorities
 - Roadmap for the implementation of Open Science
 - Conclusions and Next Steps



MLE conclusions

> **The implementation of Open Science is part of a bigger picture.**

Now is the time to discuss roles and functions of science in society, setting agenda and missions for science and innovation based on openness.

> **National strategies for the implementation of Open Science are essential.**

We need to better understand and align the links between Open Science policies and general STI policies.

> **We need Open Science champions and role models**

to foster the uptake of Open Science practices and to create a sustainable transition towards more openness.

> **Open Science is enhancing knowledge markets and improving innovation.**

Synergies of scholarly commons and the commercial exploitation of research outputs need systematic study.



MLE conclusions (*cont.*)

MLE participants call on the European Commission to continue its important role in fostering Open Science by

- making Open Science provisions a key part of FP9;
- coordinating infrastructure provision, training and the development of common standards (as in the current initiatives around the European Open Science Cloud);
- devising innovation policies based on the development of scholarly commons;
- promoting European Open Leadership



THANK YOU VERY MUCH!

