### **Horizon 2020 Policy Support Facility**



## **MLE on Open Science EC-BE** Open Science conference

#### Brussels 21/11/2018

#### **Kim Holmberg**

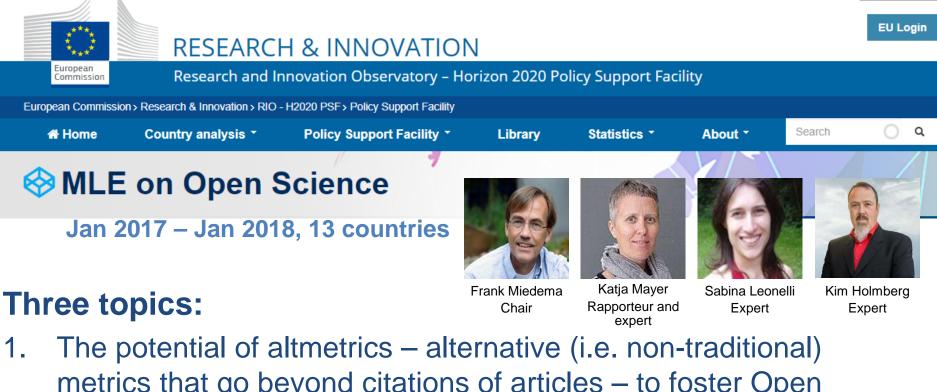
Senior researcher, PhD RUSE - Research Unit for the Sociology of Education University of Turku, Finland

# **Goals of Mutual Learning Exercises**

## Mutual Learning Exercise







- 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** 



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## **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)
<ul> <li>Conclusions:</li> <li>Altmetrics are not yet being used for research evaluation purposes.</li> <li>Altmetrics hold a lot of promise, but it is too early to use them for research evaluation and decision making.</li> <li>More research is needed.</li> </ul>	<ul> <li>Issues are:</li> <li>Not enough evidence</li> <li>Limitations of (proprietary) data sources</li> <li>Methods are not yet open</li> </ul>	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.	<ul> <li>This report</li> <li>proposes a National Roadmap for the Implementation of Open Science</li> <li>outlines key priorities and principles underpinning the implementation of Open Science at the national level</li> <li>reviews existing experiences in developing and supporting OS activities and related policies</li> <li>summarises the strategies, lessons learnt and models</li> </ul>

### http://europa.eu/!bj48Xg

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# **Roadmap for Open Science Implementation**

Мар	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		

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#### Mutual Learning Exercise

Open Science: Altmetrics and Rewards

Horizon 2020 Policy Support Facility



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!**

