

# The Future of **Openness in Research**

#### **Commentary on Keynote** Seminar on bibliometrics, 22 September 2020

Erika Lilja, Project Manager INVEST Research Flagship Center, University of Turku

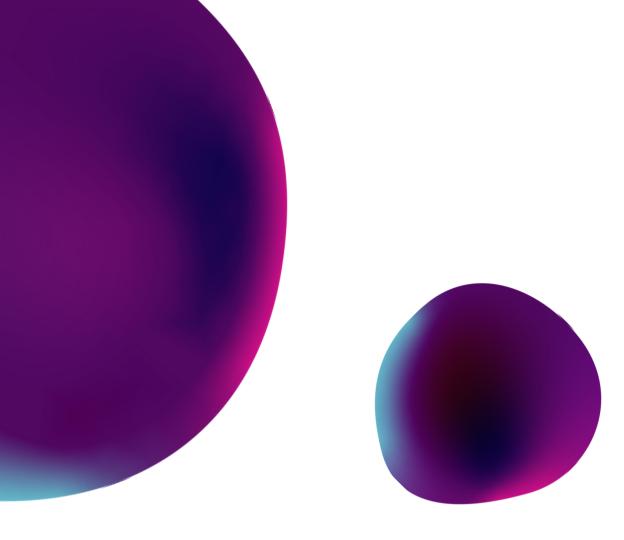


The genuine risk of focusing exactly on measurable things and availability of data on open research outputs.

Availability of data?

## **Openness is central in how research is** conducted.

Not only in how research results and outputs are disseminated.





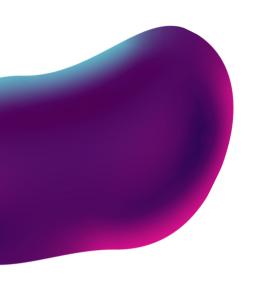
Openness is inherently positional and relational and it comes in degrees and varieties of disclosure, collaboration, dissemination, sharing, and reuse.

Gaps between open science policy and research practice exist.

Researchers have difficulties in coping with open science policy implementation.

# Policy-Practice Divide

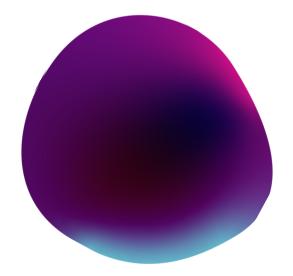
Whose openness measures are we developing and whose values are we promoting, if open science policies cannot recognize the diversity of openness on the level of research practices?



### Focus

on recognizing open science pathways and on creating assessment frameworks, qualitative methods and tools for demonstrating open interaction throughout the research process.





# research evaluation systems Mimic current research impact



Develop comprehensively. evaluation initiatives.



### Excellent science driving societal wellbeing

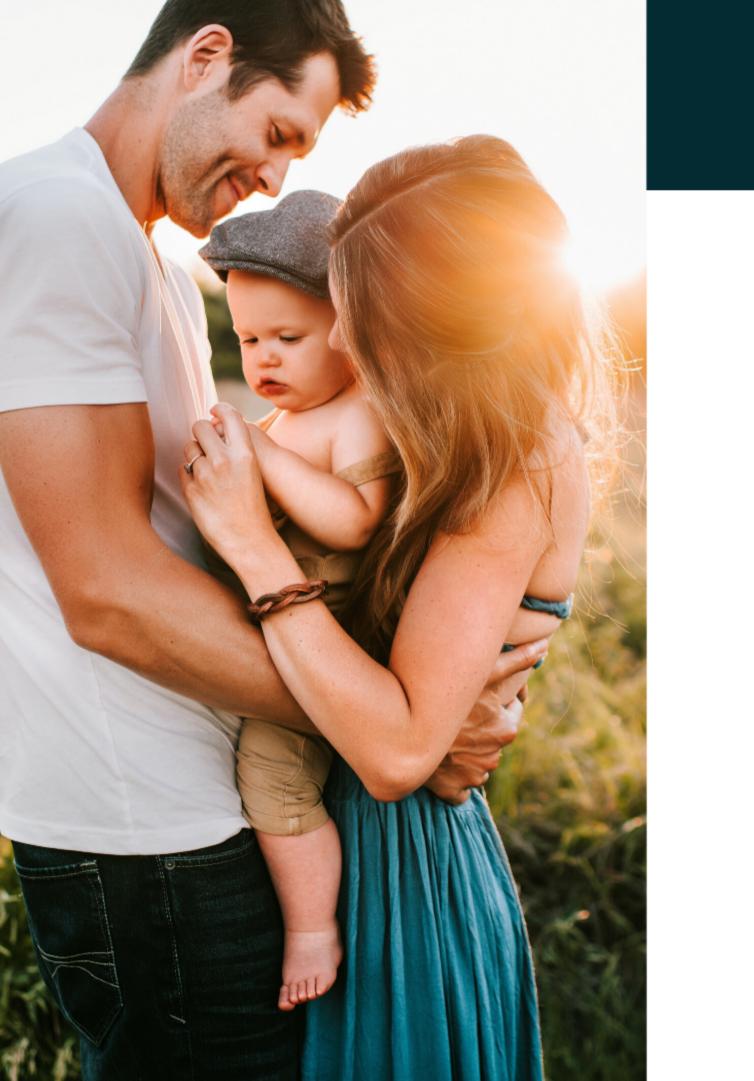
#### Guide to societal relevance, impact and its evaluation

Erika Lilja, Jani Erola, Christina Salmivalli, André Sourander, Pasi Moisio, Mikko Niemelä, Olli Kangas



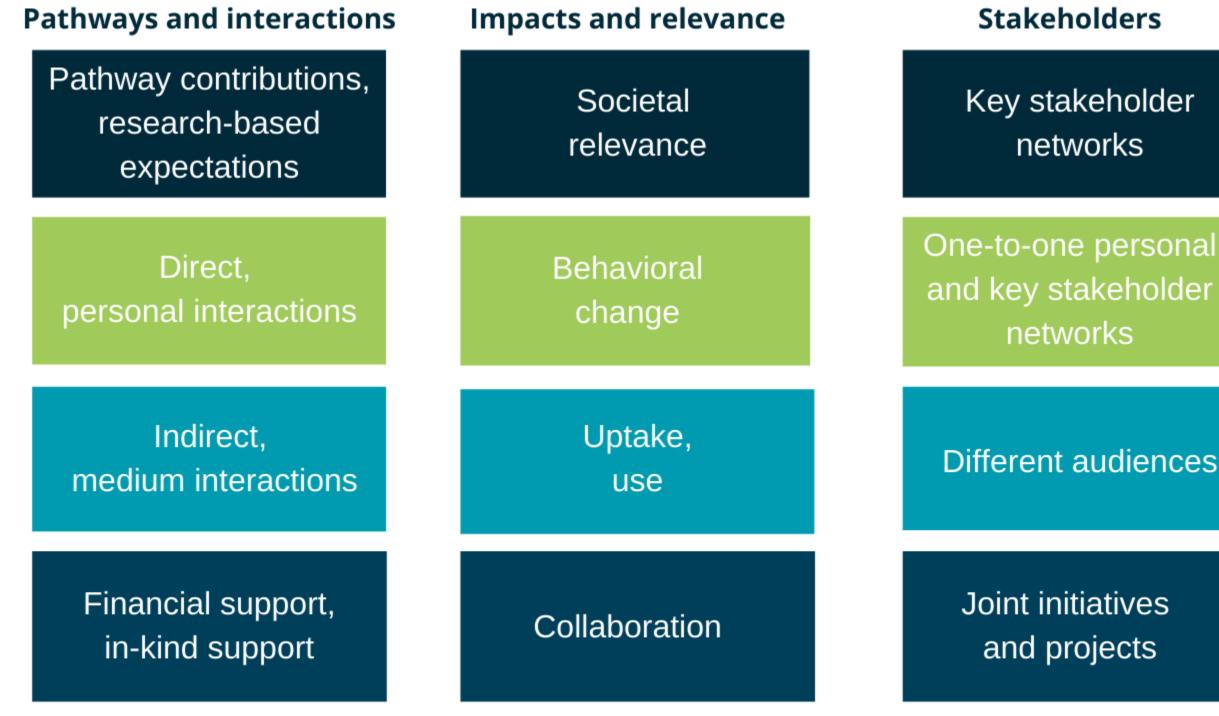


Finnish institute for health and welfare



# Assessing impact and societal relevance

SIAMPI and ERIC guidelines offer us approaches to modify for INVEST social impact assessment purposes. The assessment approach is based on concrete data about the key elements in the production of social impact: pathway contributions, productive interactions and stakeholders. Data is collected through qualitative and quantitative methods.



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**NVEST** 

Key stakeholder networks

#### Different audiences

#### **Assessment tools**

Narratives, reviews, testimonials, quantitative data collection

Focus groups, surveys, interviews, intervention research

Quantitative data collection, documents

Annual reports, other documents



# Work in progress!





#### 11 Media engagements

Regular interaction Number and quality of events organised / Media interviews / Media hits

#### 13

education and training Degree education: Number of MPINVEST students / degrees / Study and semina ofessional train Number of participants

12

Expert

#### Collaborators

Number of INVEST key collaborators and quality of collaborations / Descriptions of the successfullness of the collaboration New company collaborato



#### 14 **Trademarks**

Number of curren

and new INVEST

trademarks and

related aims and

description of

onerations

Licensing

15

agreements

Number of curren and new INVEST agreements an elated aims and operations

Social innovations Number of current and new INVEST

16

social iinnovations and description of related aims and operations

#### 19 Fundina

Other Academy of Finland funding / External in-kind contribution to the flagship / Other foreign / Other Finnish / University/research institute's funding / Business companies / Business Finland / EU

#### 20 Staff, visiting staff and jobs created

Staff: Professors / Researchers / Postdoctoral Researchers / Postgraduate student / Assisting personnel / Impact personnel / Female % / Foreigners % / New international recruits / New tenure track positions / Number of INVEST visiting fellows / Jobs created /

### **Quantitative data collection**

- 20 main categories, of which 4 use bibliometrics, over 90 subcategories
- INVEST definition for open access to publications
- Open metadata, sharing research data (not publicly but for other researchers)
- Shared use of research infrastructure, facilities and other resources

DPINVEST doctora DPINVEST doctora



#### 08

#### Practitioner engagements

Regular interaction with rofessionals / Number and uality of practitioner event

#### 09

Policy engagement

Regular interaction with policy experts and decision makers / Number and quali

#### 10

#### Public engagements

Regular interaction with public / Number and quality of events organised / Socia

rs / Researc

#### 17

#### Stakeholder contributions

Financial contributions / Direct involvement / Facility sharing / Equipment, resources or data reserves provided by national or international research infrastructures used / Other resources shared

#### 18

#### Contextual response analysis (CRA)

Bibliometric analysis of the social impact or use in several domains, including parliament, news media, scientific literature and among societal users of selected INVEST publications 2019 - 2024 and 2019 - 2027.



#### MACRO-NARRATIVE THEME

01 INTERVENTIONS

Testing, developing and implementing universal and targeted INVEST interventions and building capacity to create well-being and enhance life skills. Producing information on the reach, uptake, implementation and cost-effectiveness of the past and ongoing interventions.



#### MACRO-NARRATIVE THEME

#### 02 IDENTIFIED GAPS

Identifying macro-level gaps in services provided by the welfare state institutions. Identifying micro-level gaps and ineptitudes in benefit and services provided by the welfare state institutions. Producing and disseminating information on gaps and effects of the welfare state.

MACRO-NARRATIVE THEME

#### 04 WELLBEING AND SKILL DEVELOPMENT

Developing wellbeing skills and new practices for public services. Increasing the skills of various professionals through social innovations to support children and adolescents. Enhancing life skills among adolescents.

#### META-NARRATIVE

#### 05 NEW WELFARE STATE MODEL

Identifying the adverse conditions and provided cost-efficient interventions to avoid negative wellbeing outcomes and responding to the needs of the basic social security renewal program and ongoing health and social services reform. Increasing social investments giving vulnerable groups better tools to cope in different phases of life. Improving the efficiency of the current welfare state institutions and conditions for research-based policymaking and transforming the welfare model from compensation to prevention.

### Qualitative data collection: narratives

- Meta-narrative
- Macro-narrative themes
- Micro-narratives

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#### MACRO-NARRATIVE THEME

#### 03 DEEPENED UNDERSTANDING

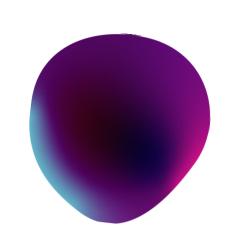
Deepening the understanding on welfare state efficiency in reducing the negative outcomes that are related to many of the structural family disadvantages experienced during the early life course. Emphasising social investments giving vulnerable groups better tools to cope in different phases of life rather than merely compensating problems through income transfers.

npact indicators



# Skills development. Professional training.





# Thank you!

erika.lilja@utu.fi

