# Open Careers need open metrics

OAI11 - Workshop on Innovations in Scholarly Communications, Univ. of Geneva, 19-21 Jun 2019 MEasuring The Reliability and perceptions of

Indicators for interactions

with sCientific productS



#### **METHODS**

- **User Surveys, Group Interviews, Experiments**
- **Prototyping**

# FINDINGS I - USAGE OF SOCIAL MEDIA PLATFORMS Users of different career stages:

- Select different platforms for communication
- Use different functions on the same platform

BEHAVIOUR ON SOCIAL MEDIA PLATFORMS IS COMPLEX AND DIVERSE WHICH PROHIBITS SIMPLE AGGREGATIONS

# **RECOMMENDATIONS I Check for applicability:**

- Select platforms depending on user behaviour and weight functions according to exhibited patterns
- Avoid simple one-dimensional metrics and check aggregations for their validity

### FINDINGS II - USE AND CONCERNS TOWARDS METRICS **Alternative metrics are:**

- Not yet widely known among researchers
- Used with considerable caution

#### HELP RESEARCHERS BECOME METRIC-WISE

#### **RECOMMENDATIONS II**

To gain trust and acceptance by researchers:

- Provide context and greater openness
- Explain application areas, strengths and limitations

# FINDINGS III - TECHNICAL CHALLENGES

Occurrences on platforms difficult to identify:

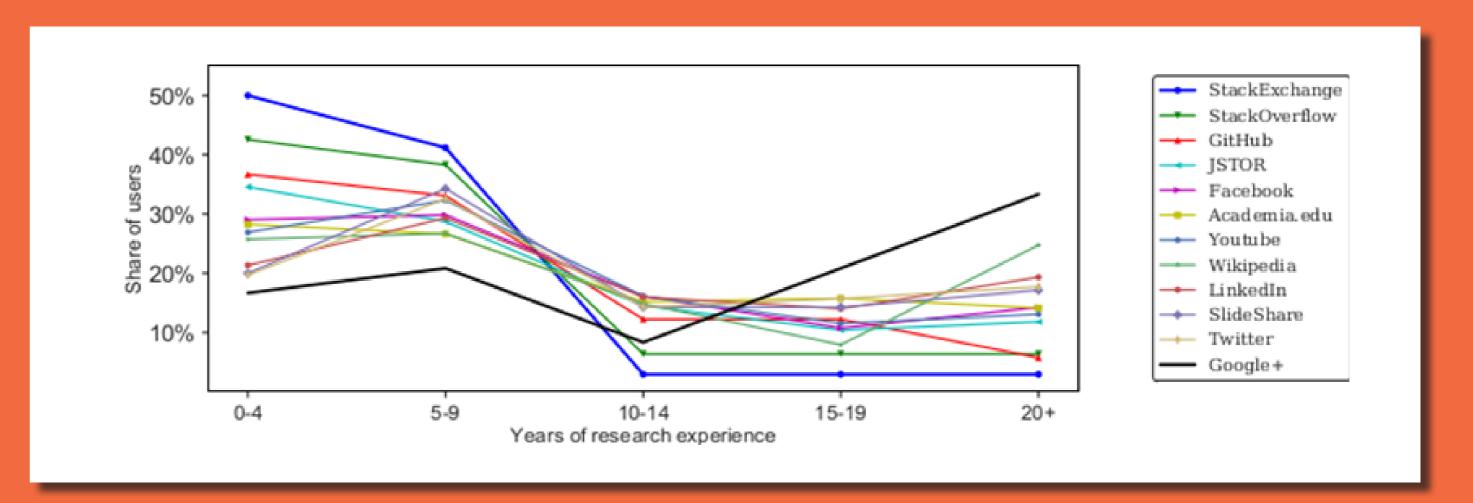
- Different habits of identifying papers
- Inconsistent or no use of identifier systems

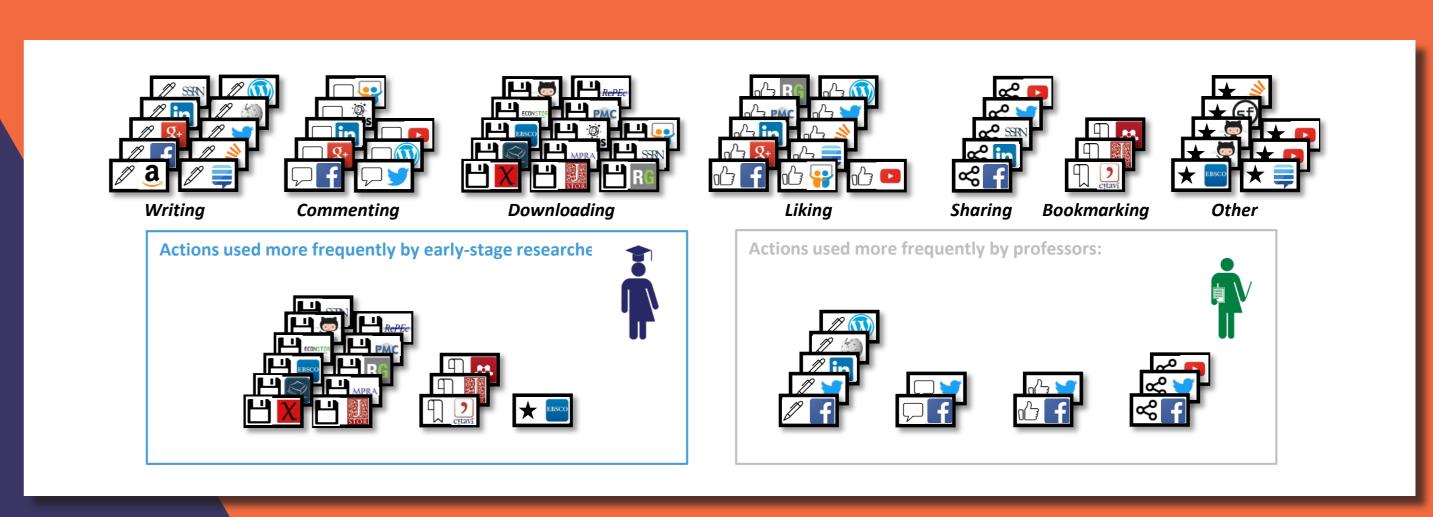
### **QUALITY VARIES WITH DATA SOURCES**

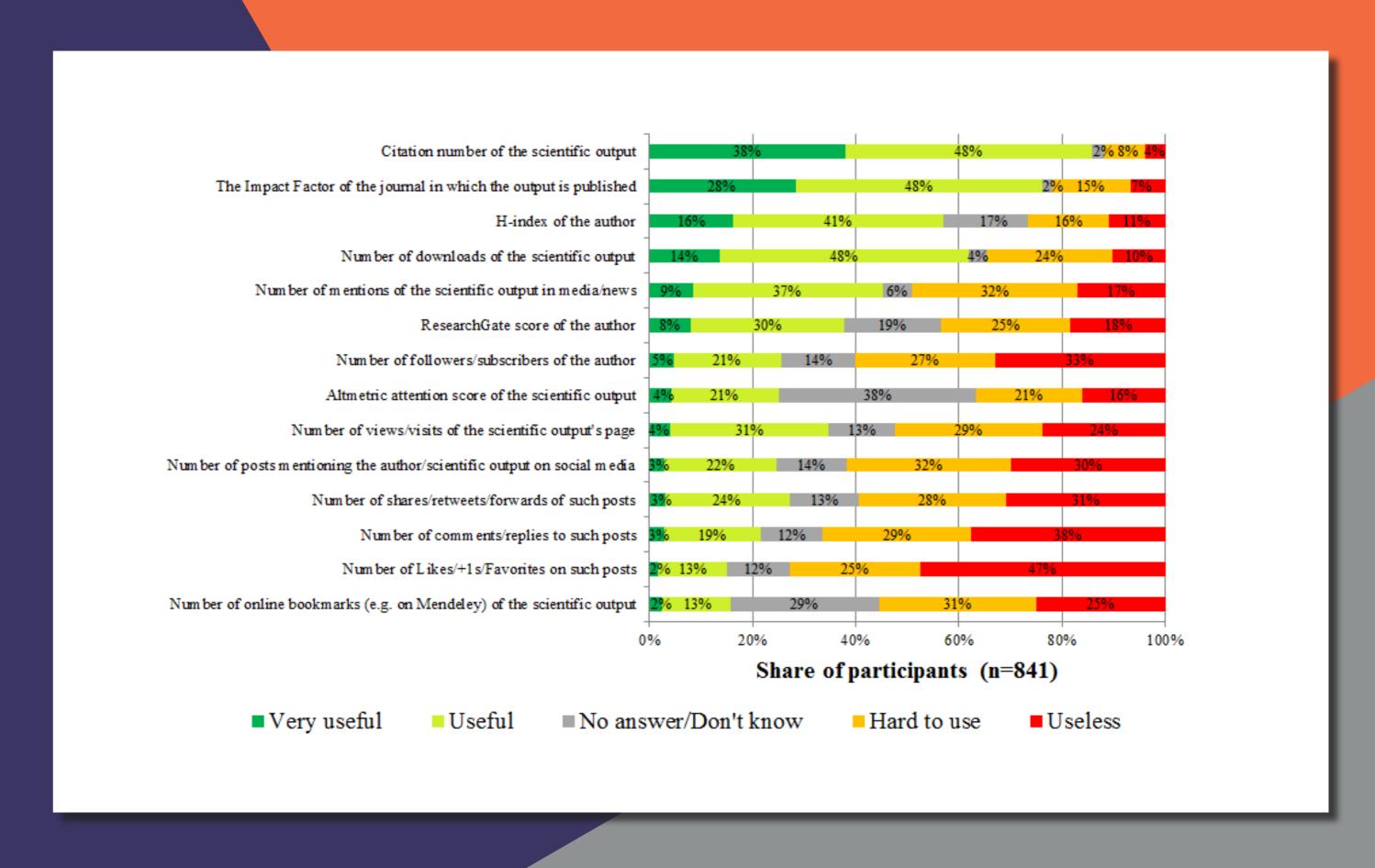
#### **RECOMMENDATIONS III**

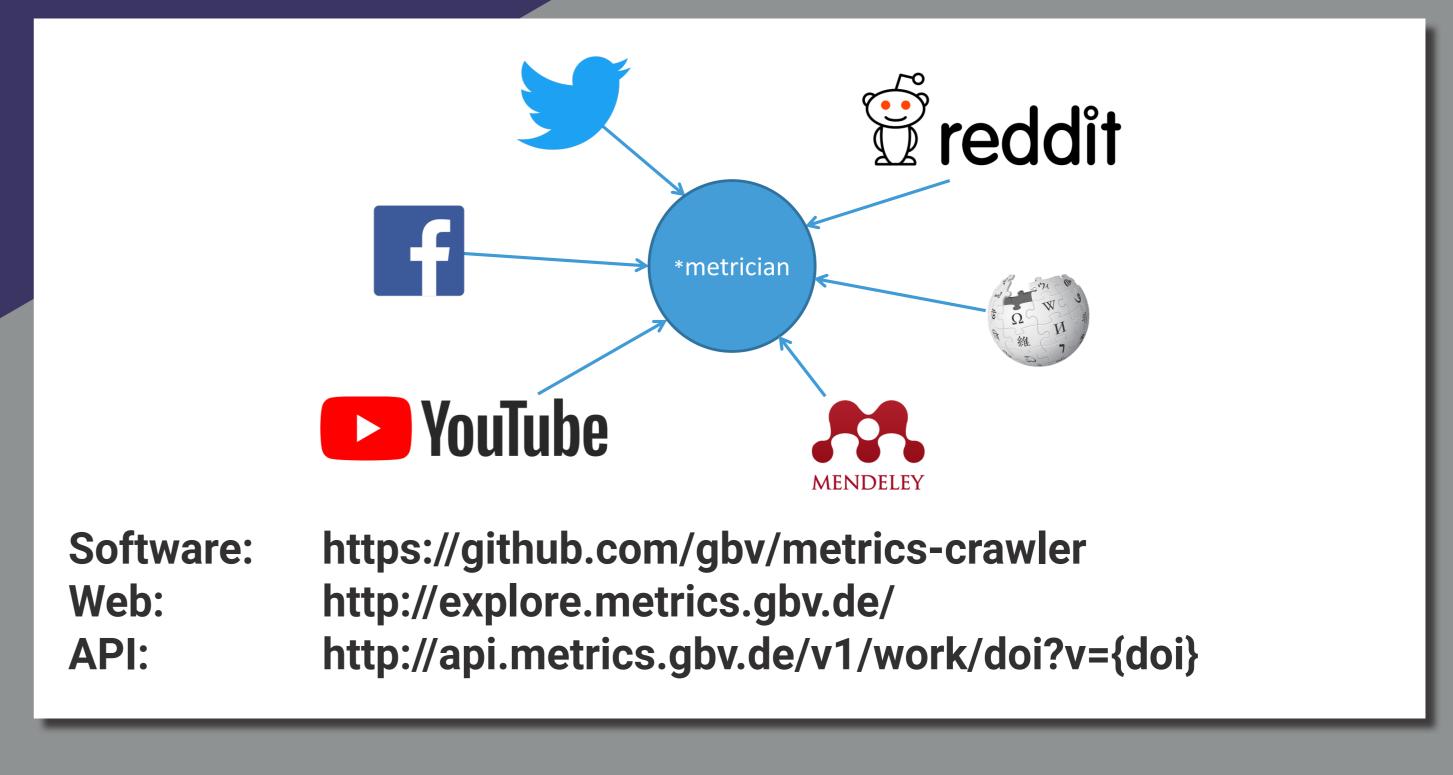
- Develop standardizations in altmetric "citations"
- Promote use of identifiers

#### Survey I **Interviews** Survey II **Online Experiment** Interactive online experiment In-depth qualitative interviews Follow-up survey on use cases Broad exploratory survey Which use cases do online To which degree do the How do researchers use platforms solve for findings from the interviews metrics during literature platforms that are potential sources for metrics used by research? How do individual researchers? How do they apply to a wider sample of think about research metrics? researchers? metrics compare? 4 group interviews with 9 ~2000 respondents from 70 ~250 respondents from 38



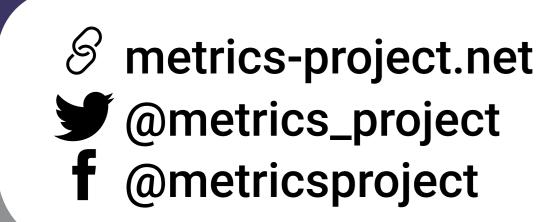






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