***metrics** MEasuring The Reliability and perceptions of Indicators for interactions with scientific products

**Reliability and perception of open metrics**

**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

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Software: https://github.com/gbv/metrics-crawler
Web: http://explore.metrics.gbv.de/
API: http://api.metrics.gbv.de/v1/work/doi?v={doi}

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