

*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

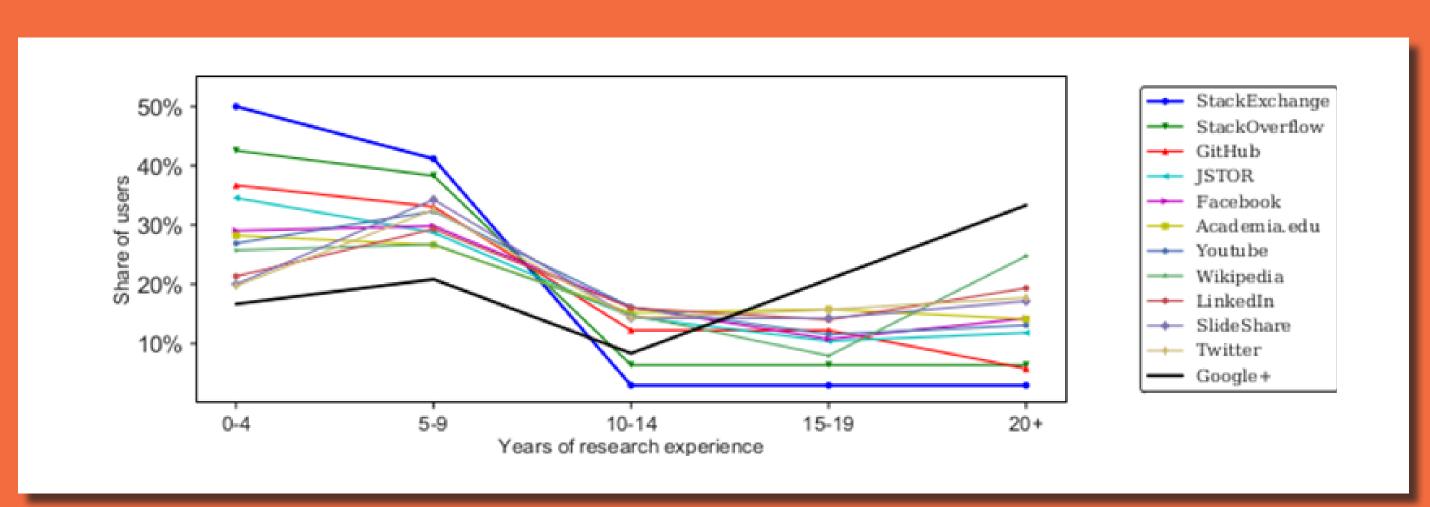
Inconsistent or no use of identifier systems

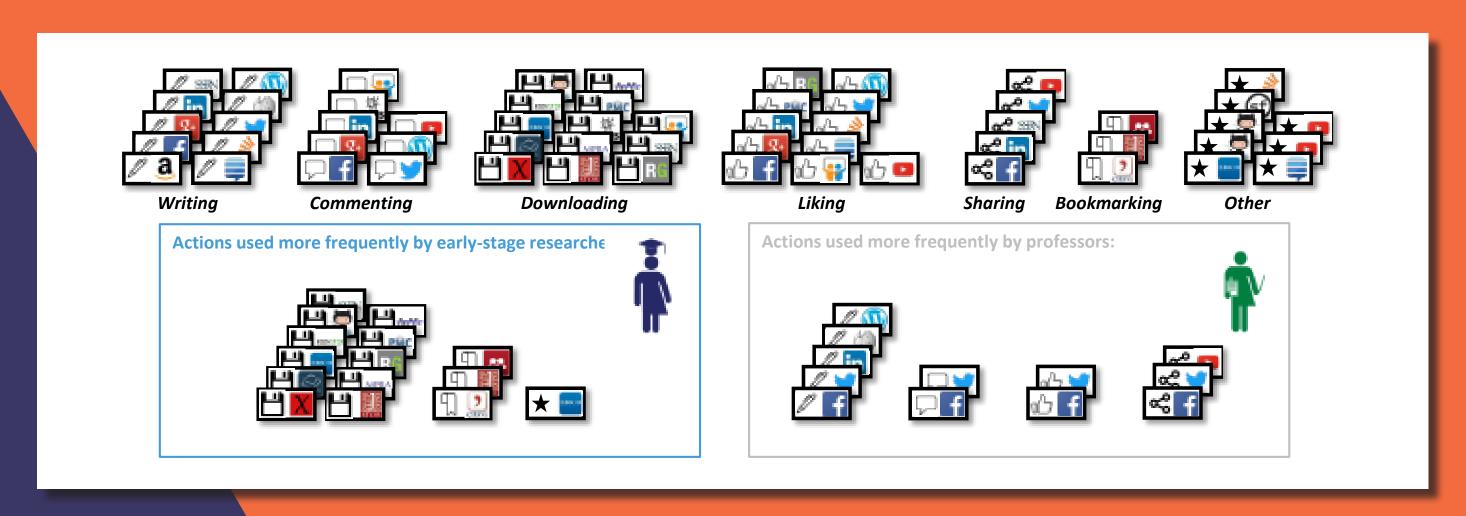
QUALITY VARIES WITH DATA SOURCES

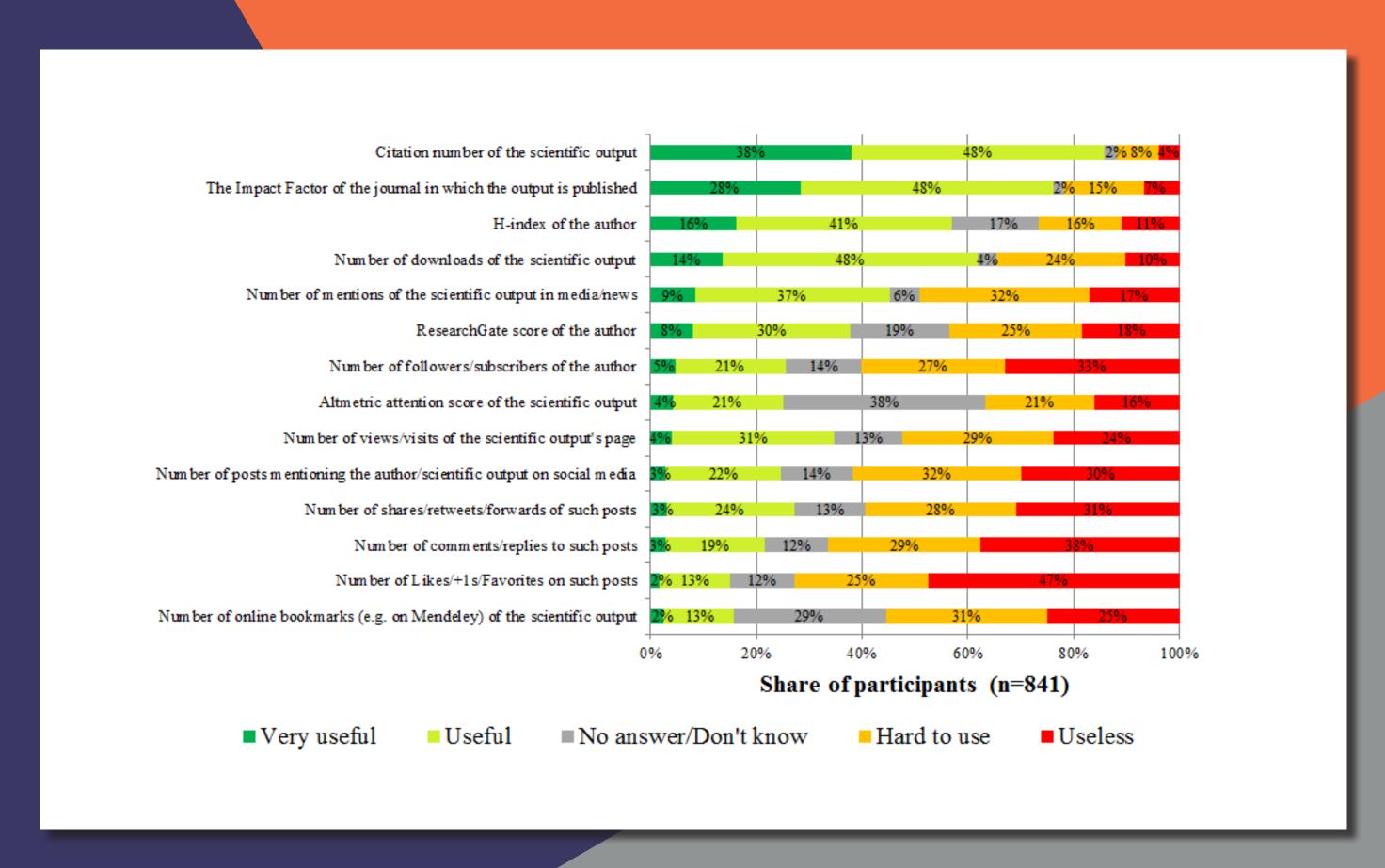
RECOMMENDATIONS III

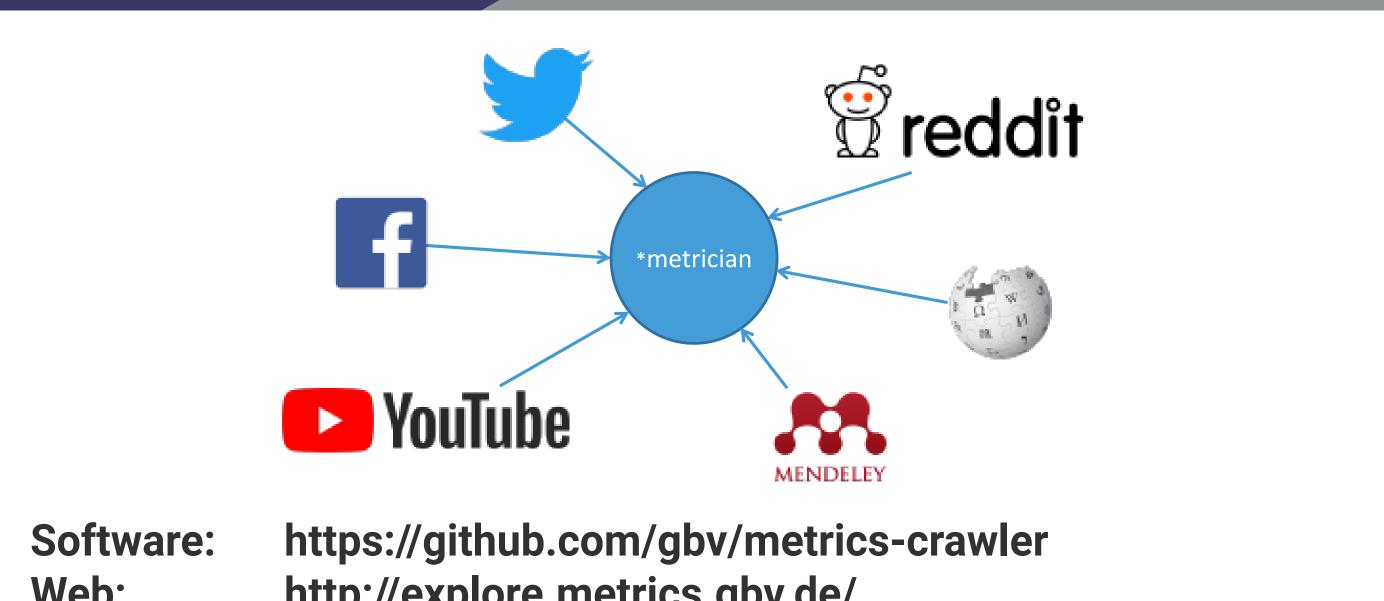
- Develop standardizations in altmetric "citations"
- Promote use of identifiers

Survey I Interviews Online Experiment Survey II How do metrics influence users Broad exploratory survey In-depth qualitative interviews Follow-up survey on use cases To which extent are 90 online Which use cases do online To which degree do the How do researchers use findings from the interviews platforms that are potential platforms solve for metrics during literature researchers? How do they apply to a wider sample of research? How do individual think about research metrics? researchers? metrics compare? 4 group interviews with 9 ~2000 respondents from 70 ~250 respondents from 38 researchers







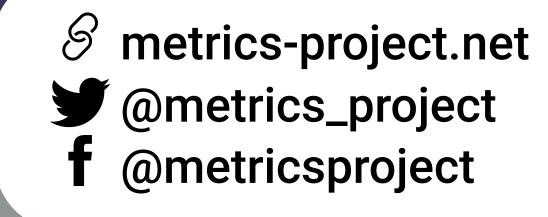


http://explore.metrics.gbv.de/ Web:

http://api.metrics.gbv.de/v1/work/doi?v={doi} API:

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