

Open Careers need open metrics

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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

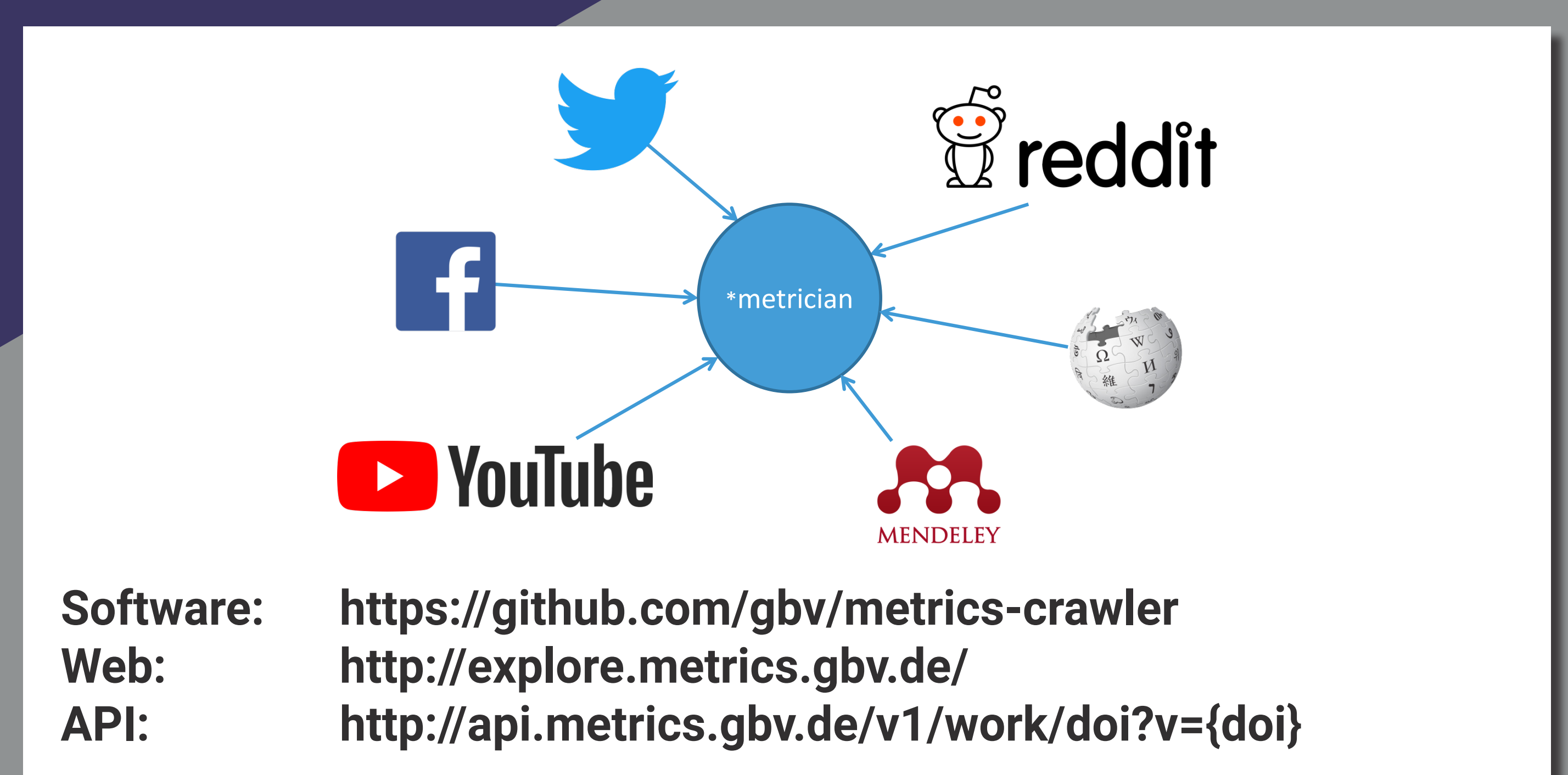
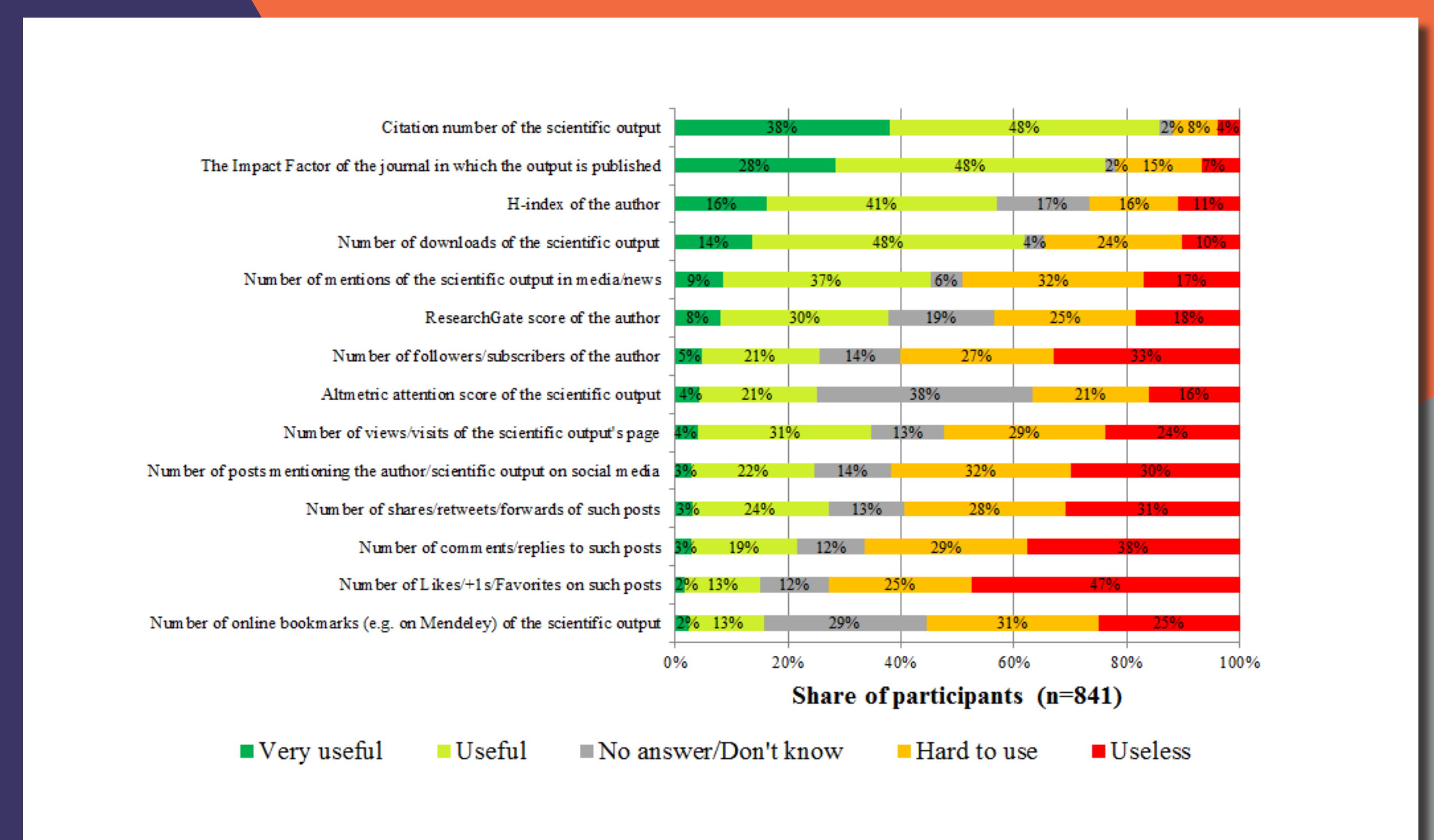
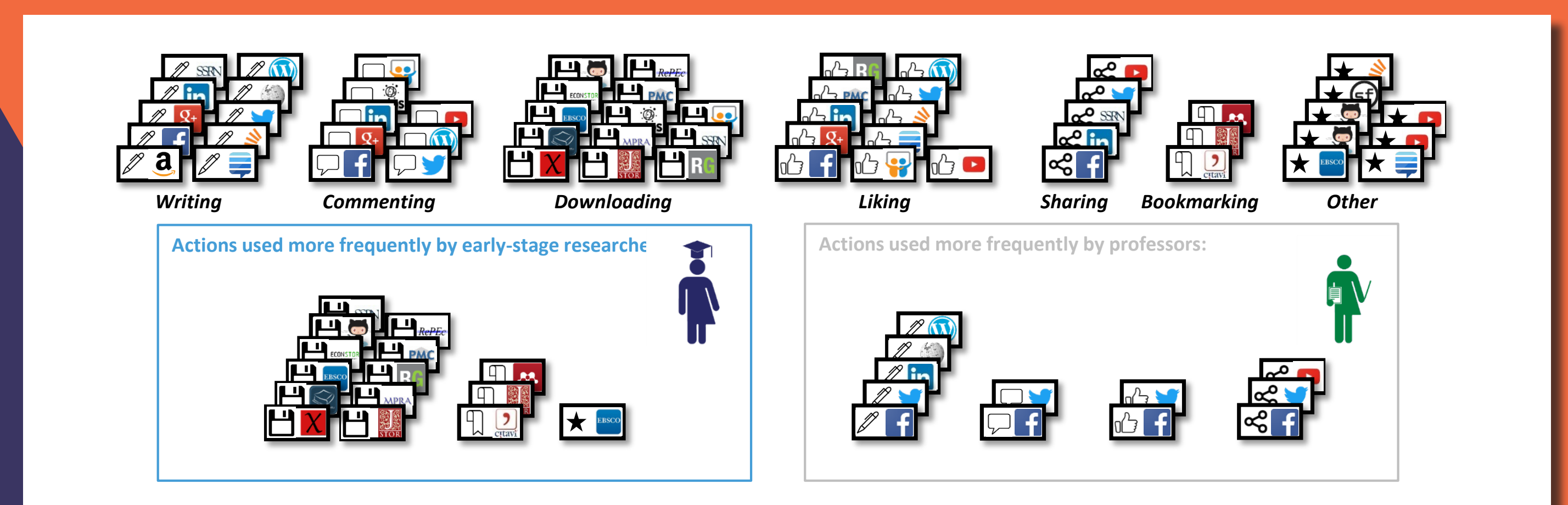
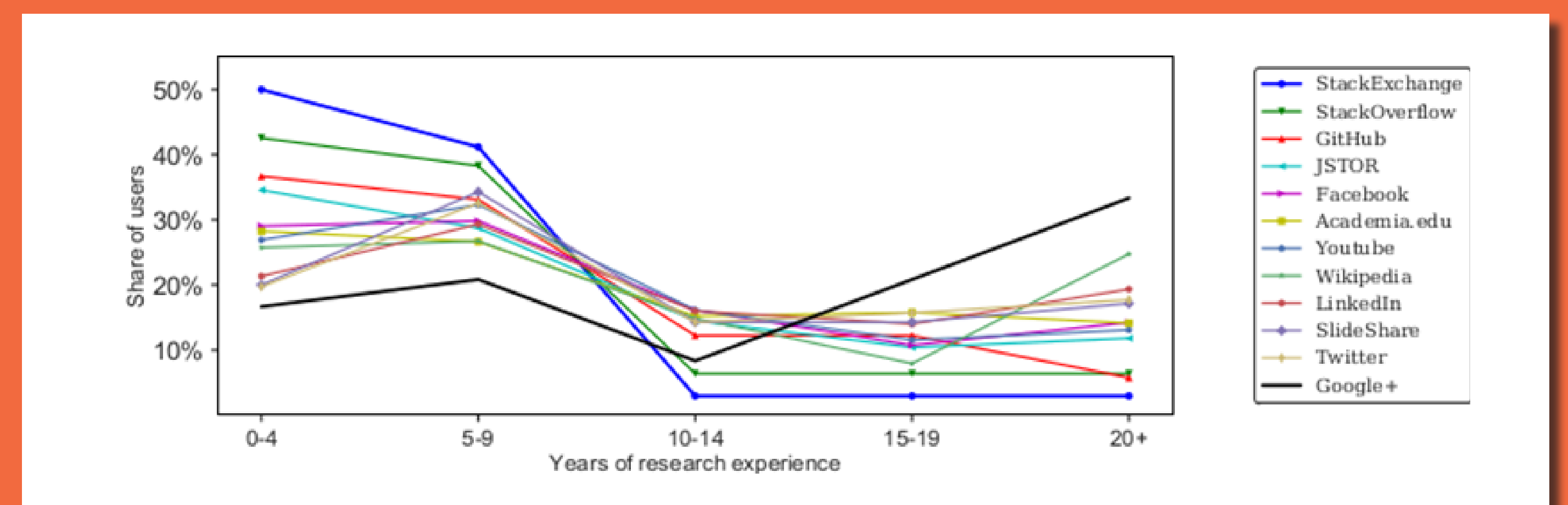
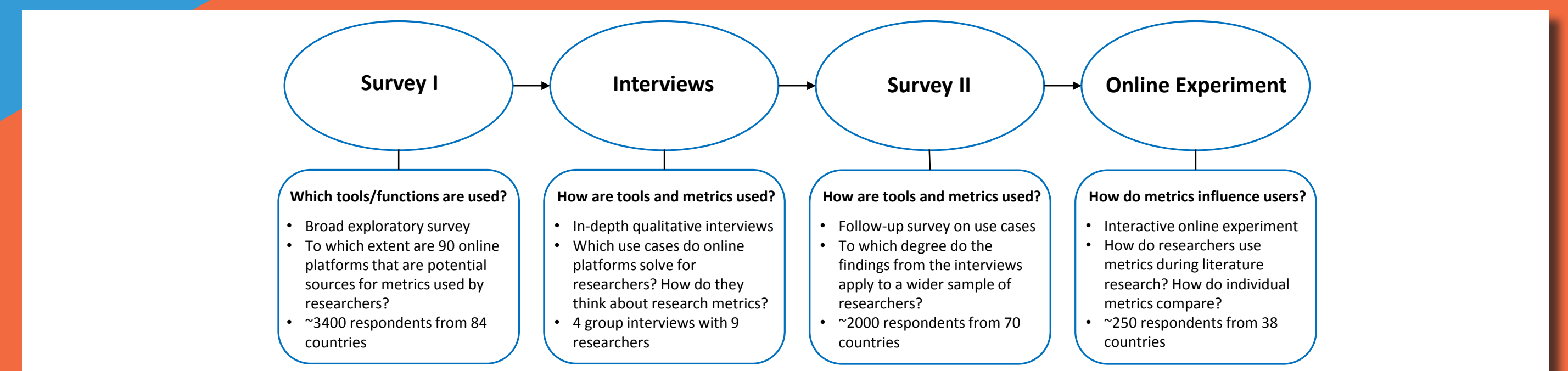
Occurrences on platforms difficult to identify:

- 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



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