Towards Researcher Participation in Research Information Systems

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Background

This poster presents the design of an ongoing collaborative research project supported by an IMLS National Leadership Grant and an OCLC/ALISE LIS Research Award. The project explores researcher participation in research information management (RIM) systems (e.g., Google Scholar, ResearchGate, ORCID).

Accurate research data and information identification and determination are essential for effective grouping, linking, aggregation, and retrieval of digital scholarship; evaluation of the research productivity and impact of individuals, groups, and institutions; and identification of expertise and skills.

Grounding in the online communities and information quality literature, the project will examine how researchers use RIMs and what motivate them to contribute to those systems. Findings of this study will inform the design of mechanisms of researcher engagement in online research information curation in RIMs and institutional repositories.

Research Questions

1. Why do researchers use an online research identity management system(s)?

2. Why do researchers participate or do not participate in online research identity management systems and related communities?

Theoretical Framework

Self-Determination Theory (Ryan & Deci, 2000)
- Motivations
  1. Amotivation
  2. Extrinsic motivation
  3. Intrinsic motivation
- Needs
  1. Feeling competent
  2. Feeling autonomous
  3. Feeling related to others in social world

Diffusion of Innovation Theory (Rogers, 2002)
- Attributes of Innovations
  1. Relative advantage
  2. Compatibility
  3. Complexity
  4. Trialability
  5. Observability

Use Participation Data Quality

Mixed-Methods Approach
- Literature Review
- In-depth Semi-Structured Interviews
- A large-scale survey

Sampling Criteria
- Employees and students of institutions classified as “RU/VH” in the Carnegie Classification
- Candidates’ home institution has an institutional repository
- Candidates must have at least one peer-reviewed research publication

Information Quality Framework (Stvilia et al., 2007)
- Activity Types
- Quality Problem Sources
- Quality Assurance Actions
- Criteria
- Quality Reference Sources

Sponsors:

