



# Software Source Code IG Update

10<sup>th</sup> RDA Chairs Meeting, Bethesda

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# Software Source Code IG update (1/3)

## › Purpose

- › Forum to discuss issues on management, sharing, discovery, archival and provenance of software source code
- › Special attention to source code that generates research data and plays an important role in scientific publications

## › Aims

- › Develop a consistent metadata profile for discovery of software, source code, algorithms and other software artefacts
- › Review existing metadata for describing source code if they are already in place, especially those metadata that link source code to data and research publication;
- › Investigate if there is a need for additional specific metadata for software in order to make it citable, findable and accessible
- › Review existing schemas for identifying software artefacts Identify and promote an identification schema specifically adapted to track software artefacts
- › Collect and publish use cases of current examples and practices
- › Develop guidelines for managing, describing and publishing software source code
- › Liaison with other groups in RDA which express interest in issues specifically related to software source code

# Software Source Code IG update (2/3)

- What has been accomplished to date
  - Sessions at 10<sup>th</sup> and 11<sup>th</sup> Plenary Meetings
  - Summary of metadata frameworks for description and discovery of source code
  - Spin-out of Software Source Code Identification WG (joint with FORCE11 SCI WG)
    - From work on software citation, discovery, publication and preservation
- What issues, challenges, problems, have been encountered (technical and/or operational)?
  - Large overlap of community with FORCE11 Software Citation Implementation WG
    - Have held monthly Software Citation Implementation WG calls which have often been broader in scope than just citation, SCI WG has spun out task forces
    - May make more sense for there to be a monthly joint “community call” covering Software Source Code IG and SCI WG
  - Timezones... our active membership are spread across the globe
- Is your work related to/coordinated with other WG/IGs?
  - Potential for coordinating with + extending work in other groups to include software
    - Data Versioning WG
    - DMP Common Standards WG / Exposing DMP WG / Active DMP IG
    - RDA/WDS Cert of Digital Repositories IG / Preservation e-Infrastructure IG
    - Reproducibility IG

# Software Source Code IG update (3/3)

- How does your work fit into the RDA mission?
  - “RDA builds the social and technical bridges that enable open sharing and re-use of data.”
    - Research software and research data are both fundamental to contemporary research
    - Software source code provides the framework for executable and human readable knowledge
  - Research Software Alliance (ReSA)
    - Recognition of the importance of research software as a valuable research output in its own right is lagging behind that of research data
    - Steering committee: Michelle Barker, Dan Katz, Neil Chue Hong, Catherine Jones, Andrew Treloar, Karthik Ram, Chris Mentzel and Scott Henwood
    - Mission: to foster a community of organizations that are concerned with research software to collaborate in 1) improving the social and technical environment where research software is developed and maintained, and 2) improving research software