



# Software Source Code IG

[bit.ly/RDA10SoftwareIGNotes](http://bit.ly/RDA10SoftwareIGNotes)

RDA10, Montreal

# Session Aims

- › The aims of this session are:
  - › Analyze existing metadata frameworks for the description of source code and identify gaps
  - › Analyze existing metadata frameworks for the discovery of source code and identify gaps
  - › Identify potential use cases of current practice in managing, sharing, discovery, and archival of software source code

# Session Agenda

- 14:00 – 14:10 Short introduction to the group and its aims (10 minutes),  
*Neil Chue Hong / Roberto Di Cosmo*
  
- 14:10 – 14:20 Introduction to current metadata frameworks for description and discovery of source code (10 mins),  
*Morane Gruenpeter*
  
- 14:20 – 15:05 Parallel discussion and gap identification of description / discovery metadata (45 minutes)
  
- 15:05 – 15:20 Collection of potential use cases (15 mins)
  
- 15:20 – 15:30 Summary of results (10 minutes)

## › 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

## › Held Birds of a Feather (BoF) session at RDA9

## › In community review

- › <https://www.rd-alliance.org/group/software-source-code-ig/case-statement/software-source-code-interest-group-charter>

# Objectives – software as a 1<sup>st</sup> class citizen

- 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

- › Provide an extensive background for RDA members on software source code development, sharing, management, versioning, reproducibility and preservation in order to foster the emergence of shared standards across the research community on how to describe, identify, find and attribute software source code.
- › Co-Chairs
  - › Neil Chue Hong, Software Sustainability Institute / University of Edinburgh
  - › Julia Collins, National Snow and Ice Data Center
  - › Roberto Di Cosmo, Software Heritage / INRIA
  - › Mingfang Wu, Australian National Data Service









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