**Introduction**

In the empirical sciences, data has traditionally been an integral part of scholarly publishing. In recent decades rapid technical developments, such as digital data and high-throughput techniques, have dramatically altered the scholarly publishing paradigm. This requires new approaches in order to ensure the availability and usability of research data. Various technical solutions in use or proposed to date offer promise but do not yet provide sufficient benefit and incentives for the data producers themselves and so take up among researchers is still relatively low. The concept of Publishing Data is undergoing a renaissance as part of scholarly communication and on the base of new and proven technologies such as establishing persistent identifiers for datasets. Publishing data offers a strong incentive for researchers to share their data and benefits the wider community through a focus on data quality.

The impact on citation rates is beginning to be demonstrated through bibliometric studies of research articles that include underlying data or are based on secondary reuse of existing datasets such as in astronomy.

The Publishing Data Interest Group brings together all stakeholders involved in publishing research data including researchers, discipline specific and institutional data repositories, academic publishers, funders and service providers. The following 4 initial Working Groups are being developed through the RDA in partnership with the ICSU-WDS and are currently developing Case Statements under the umbrella of the Publishing Data Interest Group. New Working Groups can be formed or join the Interest group as it develops.

**Workflows for Archiving and Publishing Data**

Jonathan Tedds, Kim Finney, John Helly, Hylke Koers, Fiona Murphy, Amy Nurnberger, Lisa Raymond, Mary Vardigan, Eva Zanzerka

- Investigate current workflows for archiving and publishing data
- The role of QA/QC and peer-review in the publication process
- The role of science publishers/journals in the data publication process
- Barriers to implementation

**Deliverable:** Provide a range of generic and discipline specific workflows for data publication identifying roles, resources and stakeholders

**The Costs of Publishing Data**

Ingrid Dillo, Simon Hodson, Barbara Sierman, Frank Toussaint, Mark Thorley, Kim Finney, Anita de Waard, Eva Zanzerka

- Investigate current cost structures for archiving and publishing data
- Elaborate a business model based on open access which compensates for the additional costs due to data publication

**Deliverable:** Recommendations for funding organisations

**Bibliometrics Including Published Data**

Kerstin Lehnert, Euan Adie, Jan Brase, Ross Cameron, Cyndy Chandler, Ingeborg Meijer, Fiona Murphy, Lyubomir Penev, Fiona Nielsen, Nigel Robinson, Mary Vardigan

- General requirements for citability of scientific data (granularity, citation information and persistent identification)
- Current citation practice in data centres and literature

**Deliverable:** Recommendations for data publishers and academic publishers

**Data Publication Services**

Hylke Koers, David Carlson, John Helly, Francisco Hernandez, Caroline Martin, Lyubomir Penev, Nigel Robinson, Johanna Schwarz, Eva Zanzerka, David Anderson, Juanle Wang

- Existing service components to be used as building blocks
- Relevant content and interoperability standards
- Interoperability requirements for data centres (registration, metadata and data services)

**Deliverable:** Infrastructure and organisation for a one-for-all cross referencing service for academic publishers and providers of bibliometric services

Scan to visit the Publishing Data Interest Group website: [https://rd-alliance.org/internal-groups/publishing-data-ig.html](https://rd-alliance.org/internal-groups/publishing-data-ig.html)

Scan to join the DATA-PUBLICATION mailing list: [http://jiscmail.ac.uk/DATA-PUBLICATION](http://jiscmail.ac.uk/DATA-PUBLICATION)