



# Basic Common Certification Requirements and Procedures

research data sharing without barriers  
[rd-alliance.org](http://rd-alliance.org)

- What is the problem?  
To harmonize basic certification requirements and procedures, ultimately setting the stage for a global shared framework including other standards
- Who is impacted (specific domains, professions, etc.)?  
All domains where data are collected, preserved and available for re-use by scientists, policy makers, etc.
- What are the ramifications of not having the problem resolved?  
Lack of trust in data repositories  
Data which could be re-used are not available (or lost) or preserved for future potential reuse

- Describe the Working Group structure (how many members, diversity of experience, geographies, etc.)  
WG began with 4 members from WDS and 4 from DSA with support from the WDS-IPO but has expanded to include several external members; WDS with Earth and Space Sciences background and DSA with Humanities and Social Sciences; from Europe, USA, China, South Africa, Australia, (Japan).
- Describe the deliverable
  - Common Basic certification requirements/criteria
  - Implementation plan for Common Procedures
  - Testbed – “Real-world” valuation of Common Requirements and Procedures

- Who is impacted as a result of this deliverable
  - Include potential scenarios demonstrating acceleration of innovation (cross-domain collaboration), time savings, economic savings, etc.
- Will provide a step towards having more coherent, increasingly stringent and compatible standards for repository certification
- DSA–WDS certification standard adoption will create a critical mass of certified repositories across a range of domains and disciplines
- Data Collectors, Funders, Publishers and Users – deliverable inspires trust, which is at the heart of sharing and archiving data

- Who are the adopters and how have they used the deliverable?

ICSU World Data System

Data Seal of Approval

- **C**ommon **L**anguage **R**esources and **T**echnology **I**nfrastructure (CLARIN)
- IOC International Oceanographic Data and Information Exchange (IODE) programme

Other repositories

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# How You Can Endorse

- Reiterate who could use this deliverable

Data repositories (data centres, data analysis services) – and also Funders, Collectors, Publishers and Users

- Provide instructions on how to access and use them
  - Common Basic certification requirements/criteria (<http://tinyurl.com/pm9sflp>)
  - Implementation plan for Common Procedures (<http://tinyurl.com/os6vb94>)
  - Testbed – “Real-world” valuation of Common Requirements and Procedures
  - Also through DSA and WDS web-sites
  - Testbed results through WG web pages

# Next Steps and Contact Information

- Are there plans to further evolve this deliverable?
  - Complete testbed activity
  - Resolve “Needed” items in the Common Procedures document
  - Conduct outreach to other standards such as nestor Seal and ISO 16363
  - Envision new global Framework for Certification
- Is there an IG or WG that individuals can join on a related topic?
  - IG on Repository Audit and Certification
- Who can individuals contact to learn more about this deliverable?
  - Mary Vardigan – [vardigan@umich.edu](mailto:vardigan@umich.edu)
  - Lesley Rickards – [ljr@bodc.ac.uk](mailto:ljr@bodc.ac.uk)
  - Rorie Edmunds – [rorie.edmunds@icsu-wds.org](mailto:rorie.edmunds@icsu-wds.org)