# Proposal for ICSU-WDS/RDA WG on a Registry on Mediation Components

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## Background

There exists within RDA’s information landscape:

1. Multiple service protocols
2. Multiple content standards for data and meta-data
3. Multiple vocabularies and ontologies
4. Multiple brokering approaches/technologies for mediation exist which are largely incompatible
5. Project-driven limitations leads to lack of sustainability, loss of expertise, code, and infrastructure

## Need

Define a collection of mediation components that can interoperate through well-defined existing interface specifications and applicable standards to support implementation of a universal mediation capability.

Define a testbed environment for testing interoperability of mediation alternatives leading to recommendations for application areas. The focus will be on meta-data and data brokering across data systems that address different disciplines and scopes.

Mediation functions to be supported:

1. Discovery and access including harvesting and synchronous distribution
2. Content transformation for both meta-data and data
3. Content enhancement and Linked Open Data enablement through vocabularies and ontologies
4. Application to popular protocols and service definitions.

## Work Plan

1. Registry of mediation options that allow components to be shared and improved.
2. Test environment to examine existing and future capabilities
3. Test protocols for evaluations
4. Address Governance of the registry and the test environment.

## Deliverables and Milestones

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| **Task or Deliverable** | **Expected Timelines** |
| Registry of mediation options  | 3 months  |
| Test environment - initial/third party implementation | 9 months/12 months |
| Protocols for the test environment | 10 months |
| Governance of registry and test environment  | 14 months |
| Recommendations and report | 18 months |

## Participants

* Michael Diepenbroek (PANGAEA)
* Wim Hugo (SAEON, WDS-SC)
* Stefano Nativi
* Health
* Life Sciences
* Humanities including social sciences
* TBD

Notes of discussion:

1. We are not developing a brokering architecture nor Framework – rather we are looking at a registry of components.