

how to develop a metadata profile with **agility**

<http://www.riox.net>

1. purposeful design
 design to meet a goal
 - design for a **single use-case**
 - solve one problem well
 - avoid 'feature creep'
 - work closely with stakeholders

be **pragmatic**
 - consult **software developers**

Dr Mari Williams, RCUK
The RIOXX guidelines offer clear and practical guidance to organisations wanting to attribute research outcome information to specific funders and research grants in their repositories

Dr Steven Hill, HEFCE
The RIOXX metadata application profile has been developed with input from HEFCE to help repositories to comply with the open access policy for the next REF. We support its uptake and use.

Record ID: oai:eprints.lse.ac.uk:138
 Datestamp: 2010-10-01

Validation Reports

RIOXX Base RIOXX scheme designed for low-level interoperability

This is not a valid RIOXX record

Property	Error
dc:identifier	Minimum of 1 value(s) required for dc:identifier - found 0 values
dc:title	Minimum of 1 value(s) required for dc:title - found 0 values
rioxterms:author	Minimum of 1 value(s) required for rioxterms:author - found 0 values

Toggle Raw XML

```
<?xml version='1.0' encoding='UTF-8' ?>
<record>
<header>
<identifier>
oai:eprints.lse.ac.uk:138
</identifier>
<datestamp>
2010-10-01T08:40:52Z
</datestamp>
<setSpec>
736574733D434F4C4C53:4C53455F435F454F
</setSpec>
<setSpec>
736574733D43454E54524553:4C53455F52435
</setSpec>
<setSpec>
736574733D4445585453:4C53452D4543
</setSpec>
</header>
<metadata>
```

2. open development
 develop openly
 - consult publicly - not with email!
 - think openly - "open notebook"

focus on implementation
 - involve **software developers**
 - support implementation

Software	Basic RIOXX?	Full RCUK?	Report
EPrints 3	Valid (100%)	Invalid (0%)	Report
EPrints 3.1.2.1	Valid (100%)	Invalid (0%)	Report
DSpace	Valid (100%)	Valid (100%)	Report
EPrints 3.2.2	Valid (100%)	Invalid (0%)	Report
EPrints 3.3.10	Valid (100%)	Invalid (0%)	Report
EPrints 3.1.2.1	Partial (99%)	Partial (1%)	Report
EPrints 3.3.12	Partial (97%)	Invalid (0%)	Report

3. continuous testing
 test openly
 - test known implementations
 - test **frequently**
 - test **automatically**
 - make results **public**

1	2	3	4	5
Separate fields for Funder and ProjectID, each separately is multi-value [1..n]	Separate fields for Funder and ProjectID, each is separately multi-value [1..n] & ordering is significant	Composite field for Funder and ProjectID, together - field is multi-value [1..n]	Syntactically rich string containing Funder and ProjectID components - field is multi-value [1..n]	Globally unique projectID - funder can be dereferenced from this - field is multi-value [1..n]
funder funder ... projectId projectId	funder (1) funder (2) ... projectId (1) projectId (2)	funding funder projectId ... funding funder projectId	funder/projectId funder/projectId	funder/projectId funder/projectId
proposed (a compromise but implementable in the timescale)	not viable (ordering easily broken in data exchange)	attractive... (may require some changes to input forms)	fragile (delimiters would need to be encoded where they appear in projectIDs - error prone)	ideal (but doesn't exist... yet. Even better would be a combination of 1 and 5, providing the funder name as a convenience)

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22 Comments RIOXX Website

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