

CERIF in Action (CIA)

Synthesise, standardise and productionise CERIF for Higher Education Institutions

Before we begin

- Wifi: **WOBURNHOUSE**
 - Password: **4x4relay**
- Photos
- Twitter: **#cerifinaction**
- In the event of an emergency
 - No scheduled fire alarm
 - Klaxon
 - Meeting point is outside front entrance
 - Bomb Scare/Terrorist Threat: Verbal directions
- Toilets

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600
YEARS

Project Blog



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bit.ly/cerifinaction

20
2012

CERIF in Action ... in Action!



The CERIF in Action project held its first physical project meeting (after the kick-off) at the University of St Andrews on 19th April 2012, including virtual attendance by some of the partners.

Discussions included progress updates from the HEI and software partners, and a useful brainstorming session put the wheels in motion for the roadmap for adoption.

By Scott Brander • Posted in [Roadmap for Adoption](#), [Steering Group](#)

APR
10
2012

CERIF in Action Paper

The final submission for CRIS 2012 can be accessed below:

http://cerifinaction.files.wordpress.com/2012/04/cris2012_41_full_paper.pdf



By Scott Brander • Posted in [CRIS2012](#), [Dissemination](#), [euroCRIS](#)

APR
4
2012

International Conference on Current Research Information Systems (CRIS2012)



CRIS 2012 conference will discuss recent trends in the development of Current Research

Agenda



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- Aim of the project
- Partners and use cases
- Progress

Aim of the Project

“ ... to consolidate existing work [*at the UK National level*] using CERIF to explore the possibilities of two-way data exchange by producing a stable, reusable system for real-time exchange between two or more live organisational systems using CERIF.”

The National (UK) Perspective

National investment – JISC



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	Jan 10	Jul	Jan 11	Jul	Jan 12	Jul	Jan 13	Jul
EXRI Report								
RMAS								
RIM1								
RIM2								
RIM3								
MRD – research data								
UKRISS								

The National (UK) Perspective



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- Report identifying CERIF as the best option for improving interoperability and exchange of research information
- Cycle of investment in CERIF projects is leading to the evolution of a standard CERIF implementation
- CIA *first step* towards a truly interoperable CERIF-XML
 - Entities, semantics, identifiers

The National (UK) Perspective (cont.)



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- Growth in procurement of CERIF Research Information Systems
 - 0 to 30% in 3 years
- Funders and other bodies engaging with and implementing standard
- Consistency vital if CERIF to support national research base
- CIA will help with maintaining consistency of implementation

Project Partners



Project Timelines

November 2011 – October 2012



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	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12	Oct 12
<ul style="list-style-type: none"> Review CERIF models Define CERIF-XML standard 	Orange	Orange	Orange	Orange	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
Development of Plugins	Light Blue	Light Blue	Light Blue	Green	Green	Green	Green	Green	Light Blue	Light Blue	Light Blue	Light Blue
Testing	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Red	Red	Red	Red	Light Blue	Light Blue
Roadmap for Adoption	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Blue	Blue	Blue	Blue	Blue	Light Blue



Scope of CIA

Major Entities



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Persons

- Researchers
- Authors
- PIs / Co-PIs

Organisations

- Institutions
- Funders
- Publishers

Publications

- Articles
- Conference Papers
- Books

Projects

Funding

- “Pots of money”



Benefits of CIA approach

Stakeholder Perspectives

Higher Education Institutions

- Further embedding central research information or institutional repositories as key strategic systems within their institution

Individual researchers

- Time-saving
- Reduced duplication of effort
- Reduced likelihood of missing data, errors, etc.
- Allows researcher to do their core job: research

Wider research community

- Well-defined standard CERIF-XML model
- Extend to other use cases

Commercial providers

- Competitive advantage for new (and existing clients)
- Shows willingness to engage in open standard for interoperability

Funders

- More streamlined process for collating grant-level outcome information from institutions
- With a view to automated process in future

Project Progress

Phase One



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- Review existing CERIF models
 - JISC-funded
 - Other relevant projects
 - Similarities and differences in approach
 - Issues and how solved
 - Vocabularies used
 - Existence or lack of authority data sources

Comparison of Projects

Phase One



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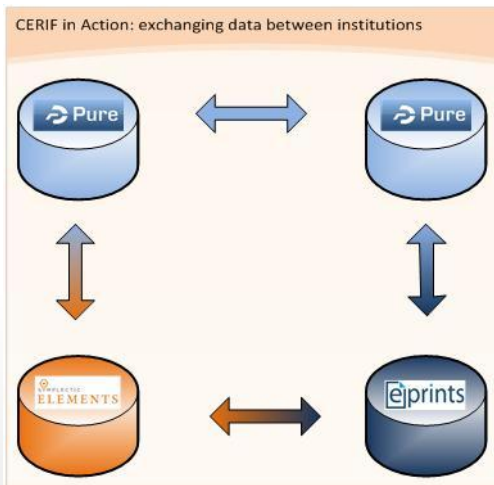
600 YEARS

A	B	C	D	E	F	G	H
Table1 Link Entry	CERIF 1.2 Semantics	CERIF 1.3 Semantics	CRISPool	CRISPool Examples	IRIOS	IRIOS Examples	CERIFv
cfPerson			<ul style="list-style-type: none"> Unique person id INTERNAL; person-[UKPRN]-[Person InstID] Unique person id EXTERNAL; person-[UKPRN]-ext-[simple id] For external authors suggest just create a sequential numeric id Used cfFirstNames as first and middle names, cfFamilyNames as Surname	Internal: "person-10007803-akc" External: "person-10007803-ext-10092169"	Uses generated UUIDs	2f672d85-88d4-40b9-936e-b6e54b7a6a96	Uses employee ID from I
cfPersonName					Similar to CRISPool		Similar to CRISPool
cfPersonName_Person			Not used due to uncertainty or required data				Uses mapping role for Ot
cfPerson_Classification	<ul style="list-style-type: none"> "Male" "Female" 	<ul style="list-style-type: none"> Previous Name Spelling Variant Artistic Name Not used in 1.3	<ul style="list-style-type: none"> "class-scheme-person-types" "class-scheme-hesa-identifiers" "class-scheme-wos-identifiers" 	<ul style="list-style-type: none"> "Internal Person" "External Person" 	Used as personal title	<ul style="list-style-type: none"> "Dr" "Prof" 	Note: HESA IDs are reco
cfElectronicAddress			Unique email address id: email_UKPRN_[Person InstID] (OR: email-[UKPRN]-[Organisation-InstID])	<ul style="list-style-type: none"> "email-10007803-et37" "email-10007803-40SCPHAS" 			
cfPostAddress			Standard		Standard		
cfPerson_OrganisationUnit	<ul style="list-style-type: none"> Affiliation Subaffiliation Head Employee Member Director Deputy Director Dean Principle Head of Department Group Leader Manager Spokesperson Associate Fellow Reviewer 	Same as 1.2, with additional terms: <ul style="list-style-type: none"> Engineer Technician Function 	Used Classification Schemes for Personal Job Titles, Generic Post Titles and Job Families	Job Titles: <ul style="list-style-type: none"> Professor of Photonics Research Assistant Job Families: <ul style="list-style-type: none"> Academic Honorary Emeritus Generic Job/Post Titles: <ul style="list-style-type: none"> Head of School Professor Research Assistant 	Used as Post Title	<ul style="list-style-type: none"> "Reader" "Research Fellow" 	Uses mapping roles for: <ul style="list-style-type: none"> Author Institution (Current) Author Department Author Research Group
cfPerson_ElectronicAddress		Fax Email Phone	Used in conjunction with OrganisationUnit_Electronic	<ul style="list-style-type: none"> "email" "skype" "work" "home" 			Uses mapping roles for: <ul style="list-style-type: none"> Email URI Address
cfPerson_PostAddress							Author Address
cfPerson_Funding	<ul style="list-style-type: none"> Manager Applicant Contact 	<ul style="list-style-type: none"> Manager Applicant Contact Creator 					
cfPerson_ResultPublication	<ul style="list-style-type: none"> Author (numbered) Author (percentage) Creator Contributor Editor Subject Reviewer Translator Publisher 	Identical list to 1.2	Uses similar list to CERIF	<ul style="list-style-type: none"> "is-editor-of" "is-author-of" 			Uses mapping roles for a
cfPersonKeywords							
cfOrganisationUnit			Unique organisation unit id: organisation-[UKPRN]-[Person InstID]	Artificial Intelligence, AI, Human Comp organisation-10007803-40SCPHAS The University of St Andrews	Generated OroUnit ID	"289" The University of St Andrews	Generated OroUnit ID The University of St Andrews
cfOrganisationUnitName			Used in conjunction with Person_ElectronicAddress	<ul style="list-style-type: none"> "skype" 			Uses mapping roles for: <ul style="list-style-type: none"> Institution Unit ID HESA ID Unit Code
cfOrganisationUnit_ElectronicAddress							
cfOrganisationUnit_PostAddress			Used in conjunction with Person_PostAddress	<ul style="list-style-type: none"> "work" "home" 		"SiteAddress"	
cfOrganisationUnit_Funding	<ul style="list-style-type: none"> Contact Manager Issuer Responsible 	<ul style="list-style-type: none"> Contact Manager Issuer Responsible 					

Use Cases

Between institutions

- 1 Exchanging data between partner institutions e.g. when an researcher moves to a new Institution.



Uploading to Research Outcomes System

- 2 Uploading grant-level information to RCUK

