



RECOLLECT: TECHNICAL OUTPUTS FROM THE RESEARCH DATA @ESSEX PROJECT

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JISC MANAGING RESEARCH DATA PROGRAMME WORKSHOP, BIRMINGHAM
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PROJECT BACKGROUND

- Research Data @ Essex project
- Jisc MRD project piloting an RDM infrastructure at the University of Essex
- UK Data Archive lead, working with support services at the university
- Project strands focusing on:
 - Policy
 - Training & guidance
 - **Technical & repository**



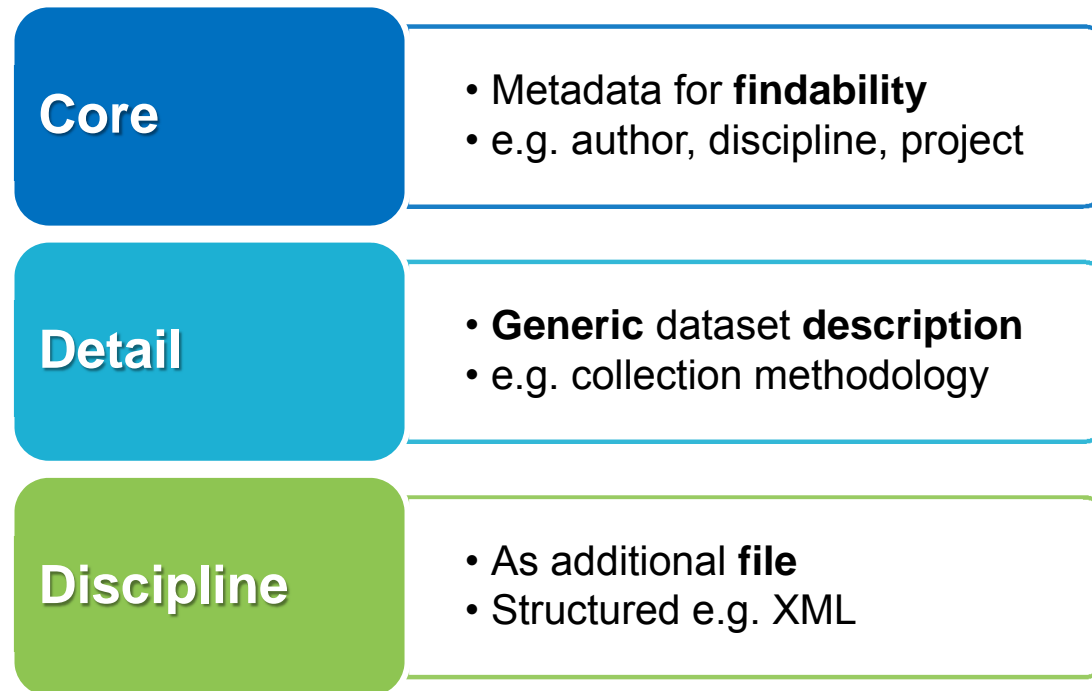


OUR APPROACH

- Reusable outputs that could meet the needs of both Essex and UK higher ed. more widely
- Drawing on UK Data Archive's expertise as a national data centre
- Two key technical outputs:
 - 1. Metadata profile (mapped to components)**
 - 2. ReCollect research data plugin for EPrints**

METADATA PROFILE

- Define a set of generic metadata elements to allow the effective description of research data



Based on JISC IDMB project outputs, Southampton University

METADATA PROFILE

- Uptake within MRD community of DataCite core as minimal metadata standard
- But no consensus as to further detail
- Minimising barriers for researchers to deposit data
 - ...while satisfying requirements for re-use

I have no time, depositing data needs to be quick and easy!

I want to use this dataset, but I can't understand it!

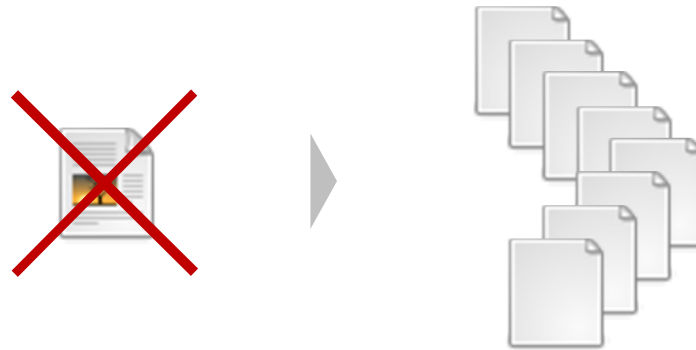
METADATA PROFILE

- We took standards based approach, producing:
 1. **Metadata mapping** between relevant schema
 2. **Metadata profile** built from mapped elements
- Standards that we mapped:
 - **DataCite** – minimal mandatory metadata (discovery)
 - **INSPIRE** – basic contextual information
 - **DDI 2.1** – further descriptive detail e.g. collection methodology

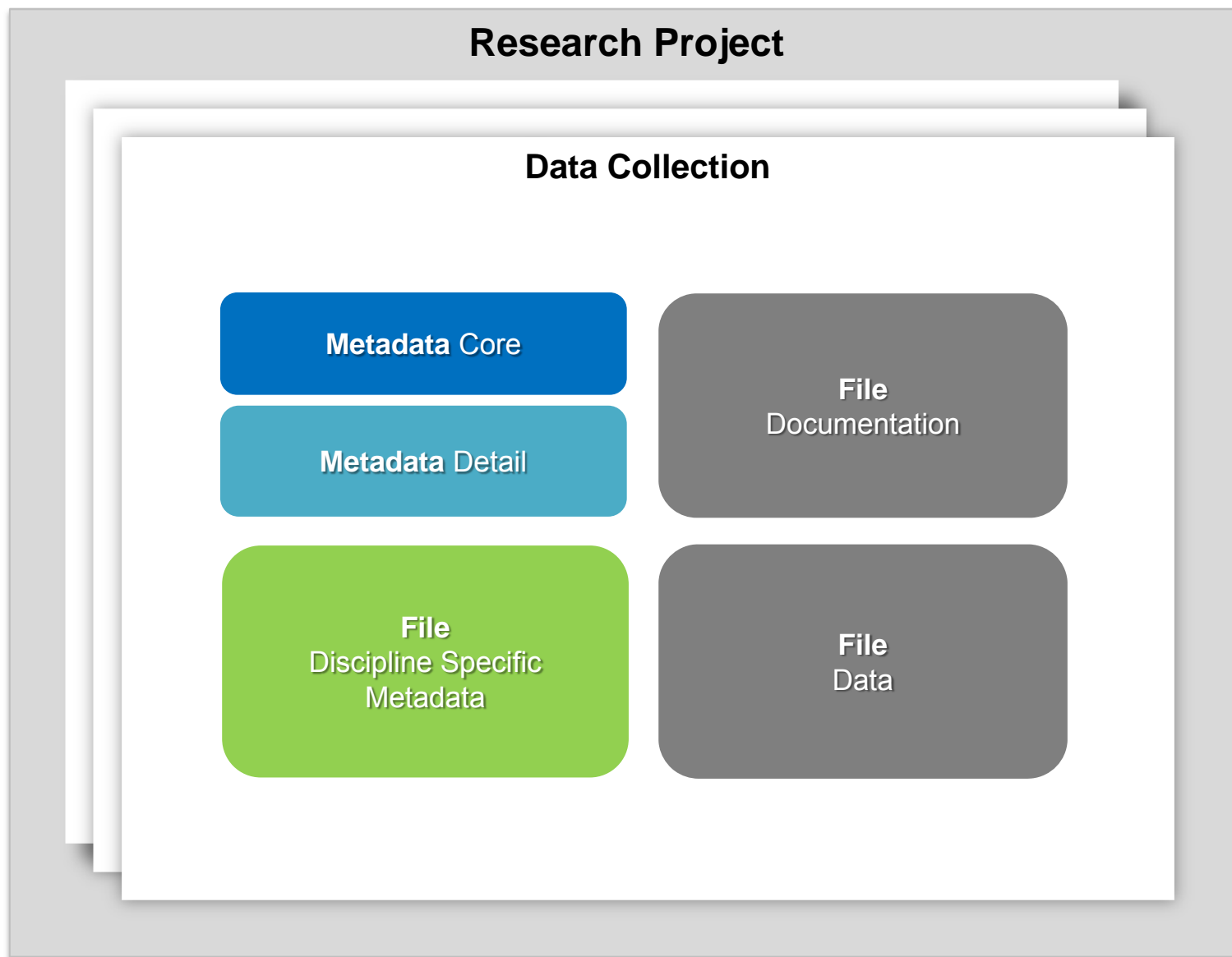


REPOSITORY

- EPrints is a widely used, open source institutional repository solution
 - Geared toward article type deposits
- Development work at Essex to adapt for data
 - Complex and varied data collections from a wide range of disciplines



OBJECT MODEL



RECOLLECT



ReCollect

RESEARCH DATA PLUGIN FOR EPRINTS

**EPrints
tailored
for research
data**

**Enhanced
presentation
of data
collections**

**Standards
based
descriptive
metadata**

**One click
install via
Bazaar 'app
store'**

bazaar.eprints.org
or install via EPrints admin interface

UK DATA ARCHIVE

Sample Data: Bioimaging - Surface Receptors

Laissue, Philippe (2012) *Sample Data: Bioimaging - Surface Receptors*. [Data Collection]. Research Data Essex, University of Essex.
<http://researchdata.essex.ac.uk/id/eprint/77> (Unpublished)

Collection description

PLEASE NOTE THAT THIS IS A SAMPLE DATA COLLECTION MADE VISIBLE FOR DEMONSTRATION PURPOSES ONLY. Confocal microscopy derived images of cells, used to demonstrate the development of a novel method for the quantified, superresolved, three-dimensional colocalisation of histocompatibility class I receptors.

Keywords: Colocalisation, quantification, confocal microscopy, surface receptors, bioimage informatics

Subjects: [Biological Sciences > Biology > Cell Biology](#)

Divisions: [Faculty of Science and Engineering > Biological Sciences, School of](#)

Depositing User: RD Admin

Date Deposited: 22 Aug 2012 10:58

Revision: 78

URI: <http://researchdata.essex.ac.uk/id/eprint/77>

[+ Additional details](#)

Available Files

Data

[+ data_tiff.zip](#)

[+ data_nd2.zip](#)

Documentation

[+ doc_thumbnails.zip](#)

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data_tiff.zip

Visible to: Repository staff only

Content: Data

Document description: Images (TIFF format)

Metadata: 5

Revision:

Mime-Type: application/zip

File size: 2175Mb

data_nd2.zip

Documentation

doc_thumbnails.zip

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Additional details

	Creators	Email	
Creators:	Laissue, Philippe	plaussue@essex.ac.uk	
Type of data:	Image		
	Contribution	Name	Email
Contributors:	Contributor	Obara, Boguslaw	UNSPECIFIED
	Contributor	Asma, Jabeen	UNSPECIFIED

Edit item: Sample Data: Bioimaging - Surface Receptors

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Embargo date:

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ADDITIONAL MATERIALS

- Supporting project outputs include:
 - **Repository user documentation**
 - **Essex data repository policies**
 - **Report on repository development** including design rationale and user testing
- All published (or very shortly to be published) via blog and project website



LOOKING FORWARD

- Metadata profile
 - A work to be built upon by community
- ReCollect banner carried forward by community
 - Various institutions looking at adopting
 - Wider 'joined-up-ness' of approaches



CONTACT

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W: www.data-archive.ac.uk/about/projects/rd-essex/
