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Using a CRIS to support communication of research: mapping the publication cycle to deposit workflows for data and publications

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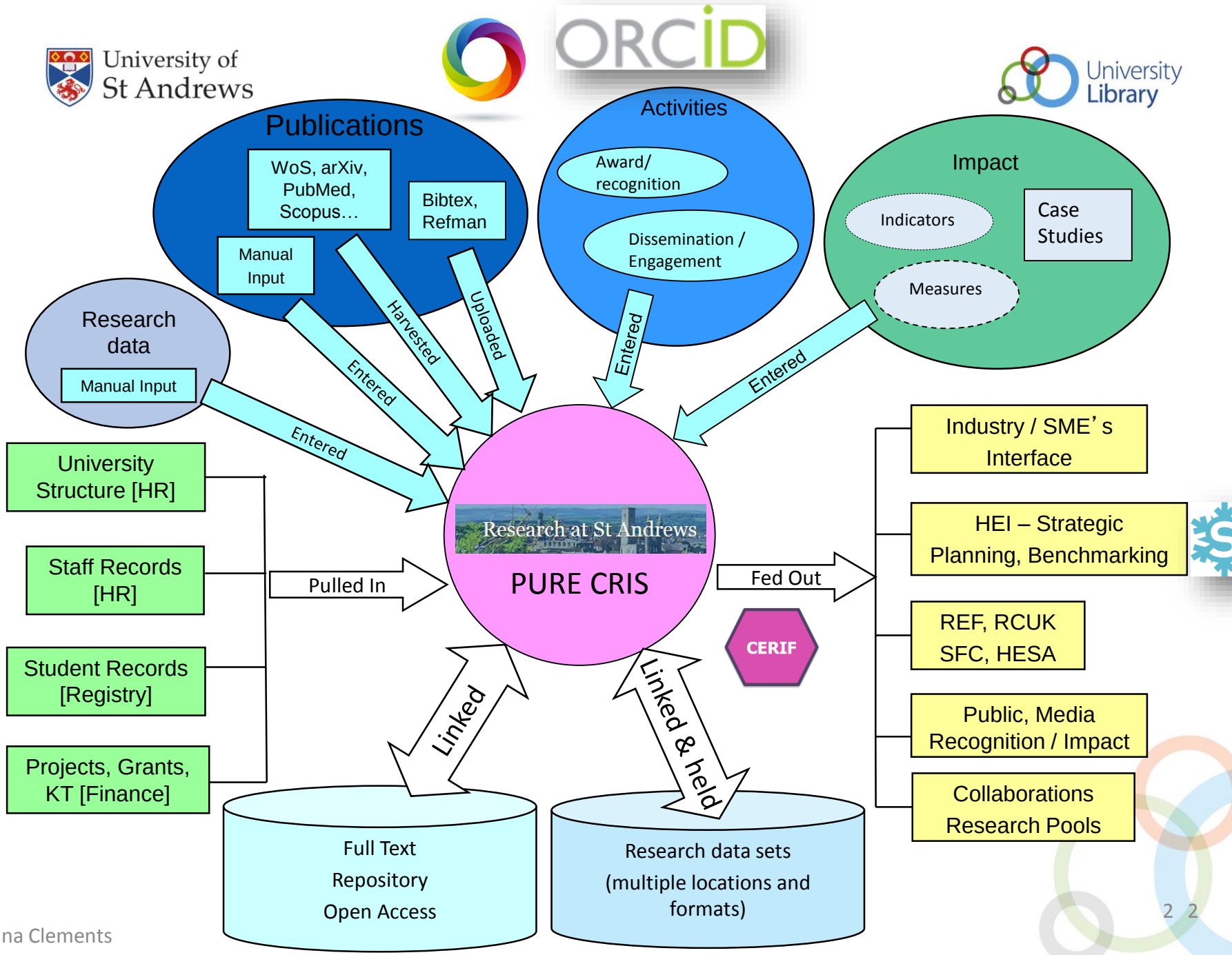
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ORCID
University Library
Publications
WoS, arXiv, PubMed, Scopus…
Bibtex, Refman
Manual Input
Activities
Award/ recognition
Dissemination / Engagement
Impact
Indicators
Case Studies
Measures
Research data
Manual Input
Harvested
Uploaded
Entered
Entered
Entered
Entered
University Structure [HR]
Staff Records [HR]
Student Records [Registry]
Projects, Grants, KT [Finance]
Pulled In
Research at St Andrews
PURE CRIS
Fed Out
CERIF
Linked
Linked & held
Full Text Repository Open Access
Research data sets (multiple locations and formats)
Industry / SME's Interface
HEI – Strategic Planning, Benchmarking
REF, RCUK SFC, HESA
Public, Media Recognition / Impact
Collaborations Research Pools

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Research data requirements

- Funders are: RCUK, EC (Horizon2020), the Royal Society, and others.
- Applies to published results

- **Data Management Plan (DMP):**
  - how researchers intend to comply; what will be shared; where data will be archived; agreements with collaborators
- **Publications:**
  - acknowledge funder (grant number) and include a statement on how to access supporting data (where? On which conditions?)
- **Data:**
  - should be made publicly available
  - should be retained - at least *<10 years>* from last date of access
- **Costs:**
  - could be included in grant applications

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Open Access requirements

- Funders include: RCUK, EC (Horizon2020), the Wellcome Trust, and others
- Policy for the next REF: http://www.hefce.ac.uk/rsrch/oa/
- Applies to published results

- **Publications:**
  - acknowledge funder (grant number)
  - certain publication types need to be OA under certain rules
- **Repository deposit:**
  - should be made publicly available (when?)
  - should be the correct version and comply with copyright (how?)
- **APC costs:**
  - centrally funded by some funders (which?)
  - in some cases costs should be included in grant applications

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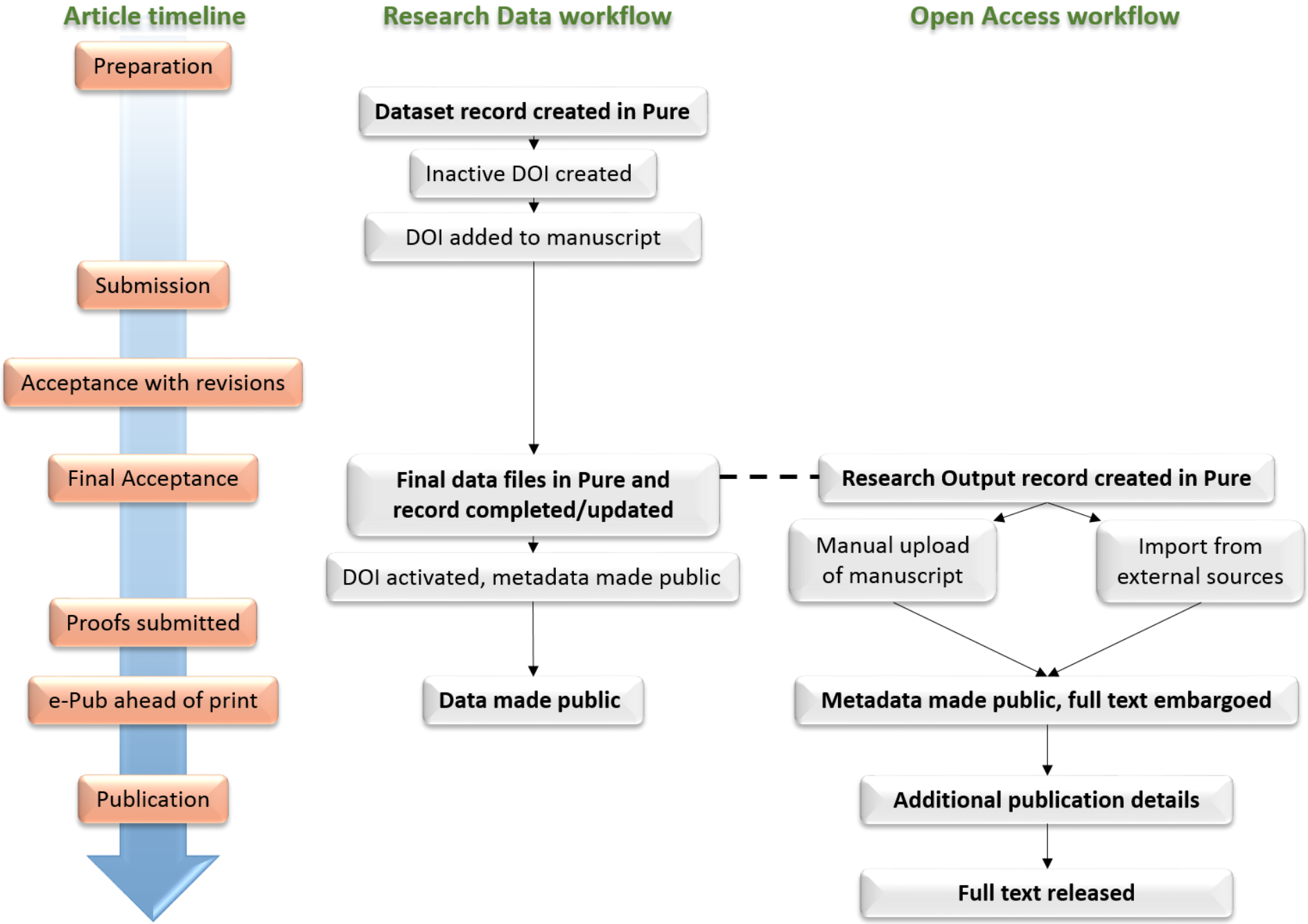
Researchers' questions

OA

- Why do I have to do this?...
- *"Open Access is here: make sure you are ready!"*
- When and how do I upload my article?
- When and how will my manuscript be made public?
- …Do I need to pay?
- …Does my publisher allow this?
- …etc./…

RDM

- Why do we have to do this?
- What data should I deposit?
- What formats should we use?
- How and when should I deposit the data?
- Where and when can I obtain a DOI for my data?
- How do I link, in the CRIS, my data to my publication?


Article timeline
Research Data workflow
Open Access workflow
Preparation
Submission
Acceptance with revisions
Final Acceptance
Proofs submitted
e-Pub ahead of print
Publication
Dataset record created in Pure
Inactive DOI created
DOI added to manuscript
Final data files in Pure and record completed/updated
DOI activated, metadata made public
Data made public
Research Output record created in Pure
Manual upload of manuscript
Import from external sources
Metadata made public, full text embargoed
Additional publication details
Full text released

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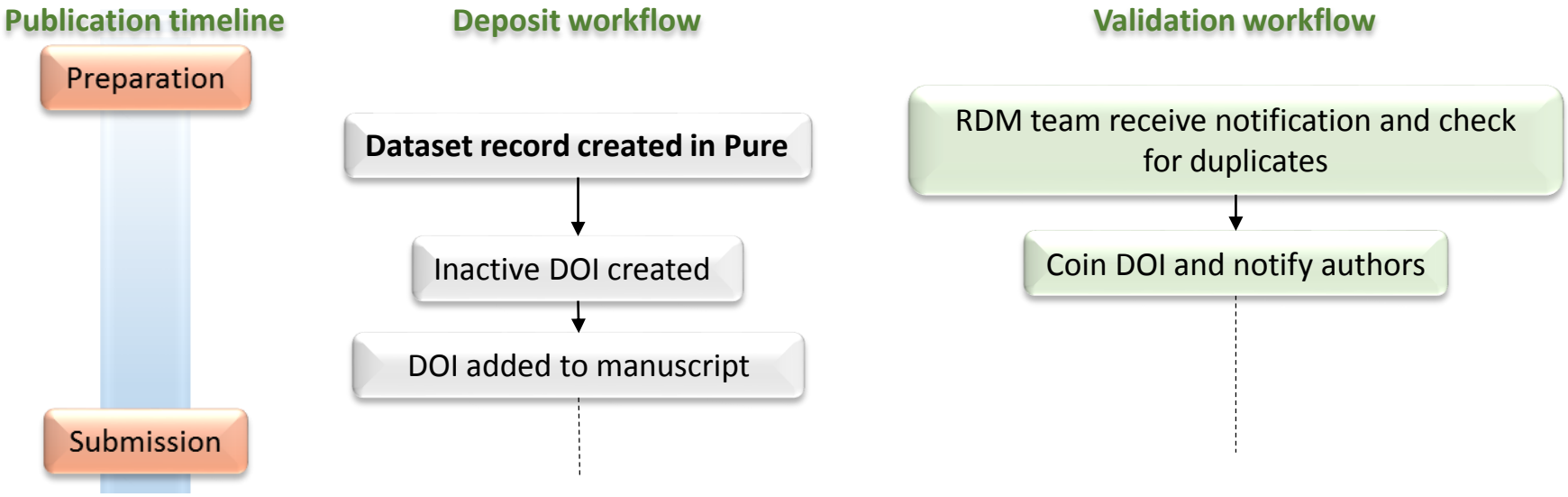
RDM deposit and validation workflow I

Stage 1: pre-acceptance



- Datasets are created both by authors and RDM team
- We do not explicitly offer mediated deposit for datasets
- No support at school level yet

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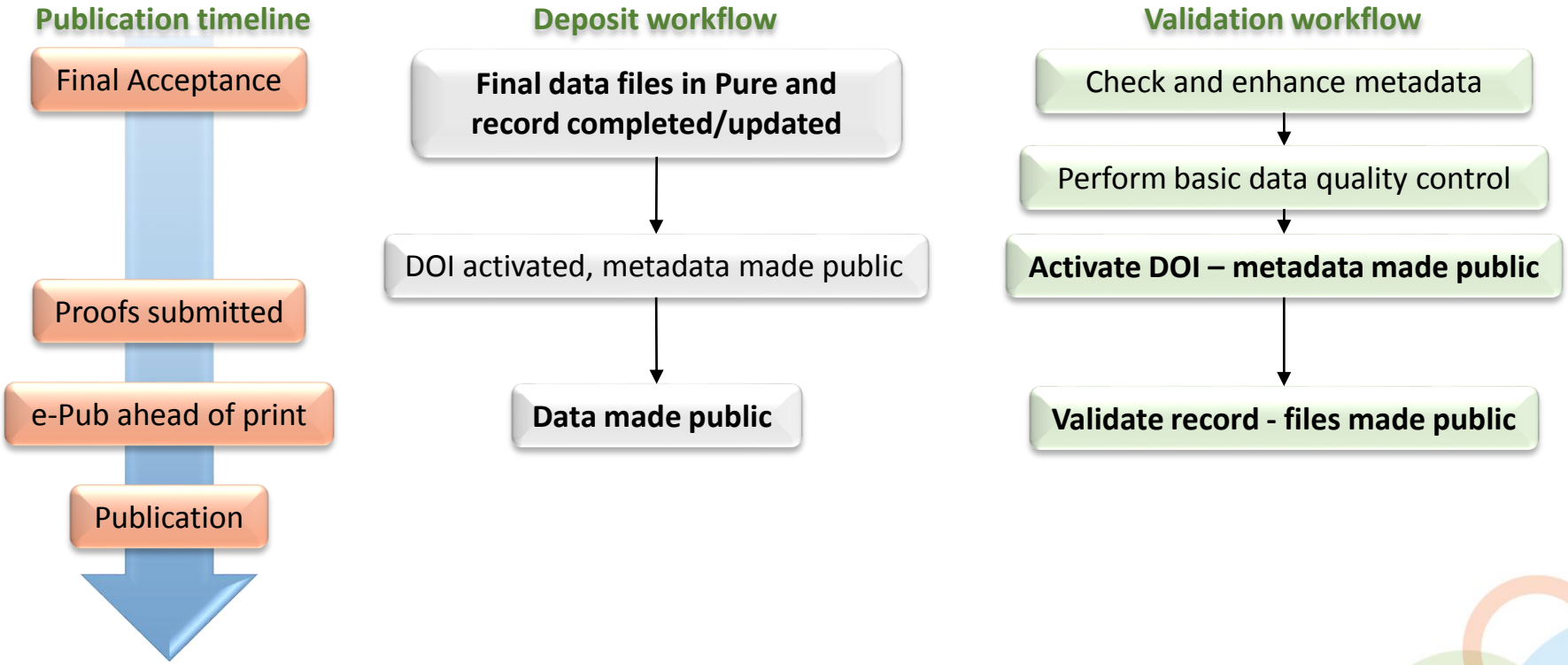
RDM deposit and validation workflow II

Stage 2: post-acceptance



- Pure offers integration with DataCite to activate DOIs

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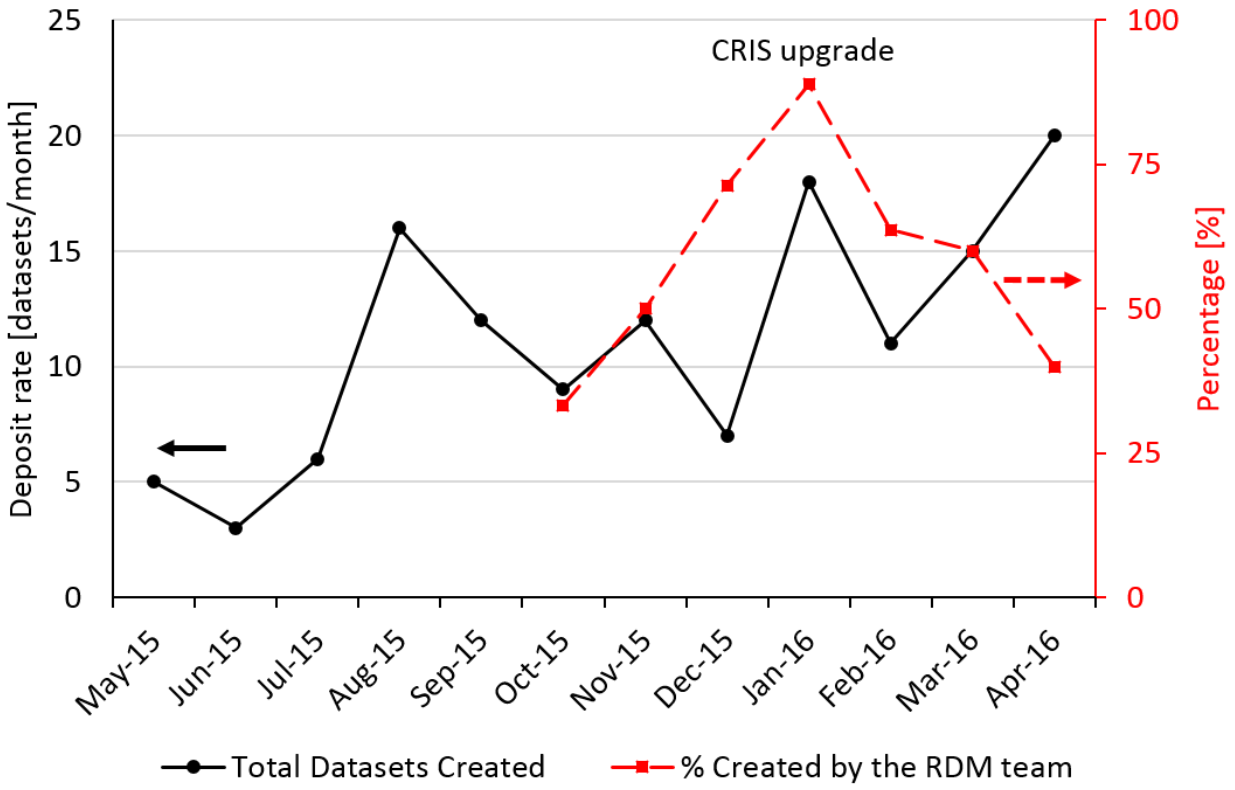
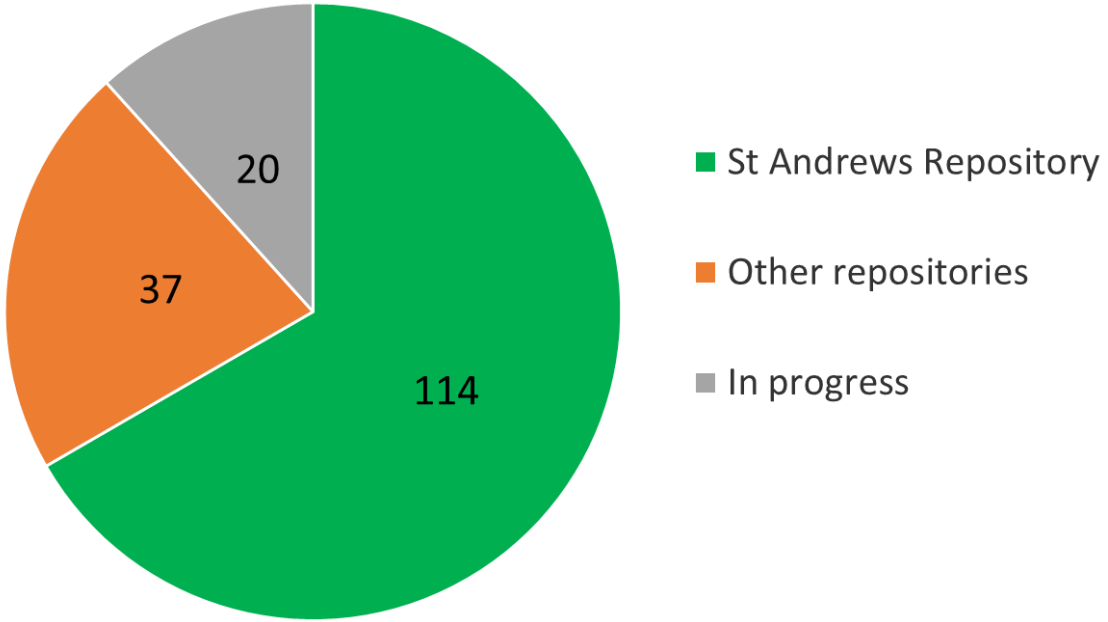
Research data deposit trend



Our datasets since June 2015



- **171** dataset records in Pure
- **114** dataset records with files in St Andrews' repository
- **20** datasets in progress
- **37** datasets deposited elsewhere but with metadata in Pure (CRIS as a catalogue)

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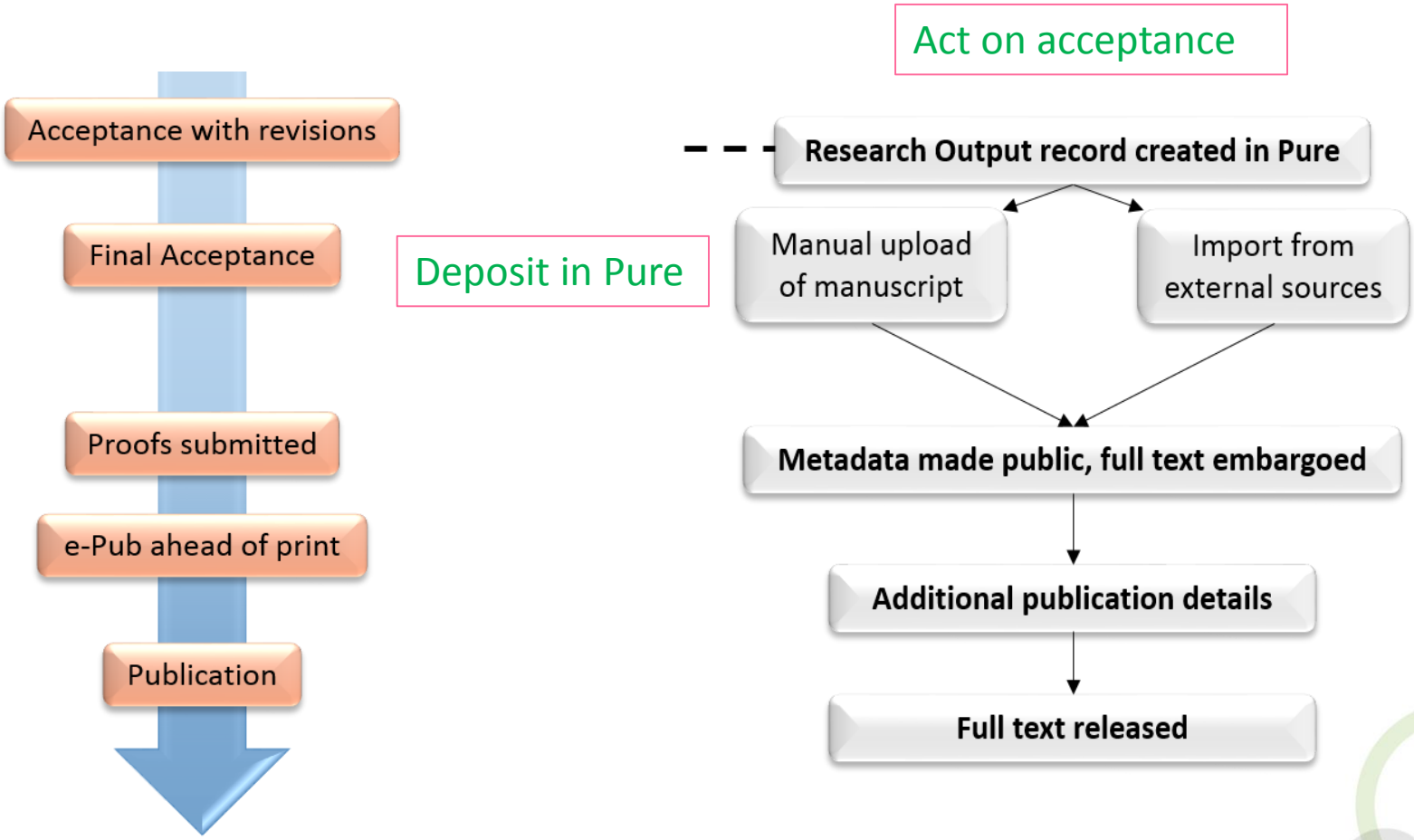
OA deposit workflow



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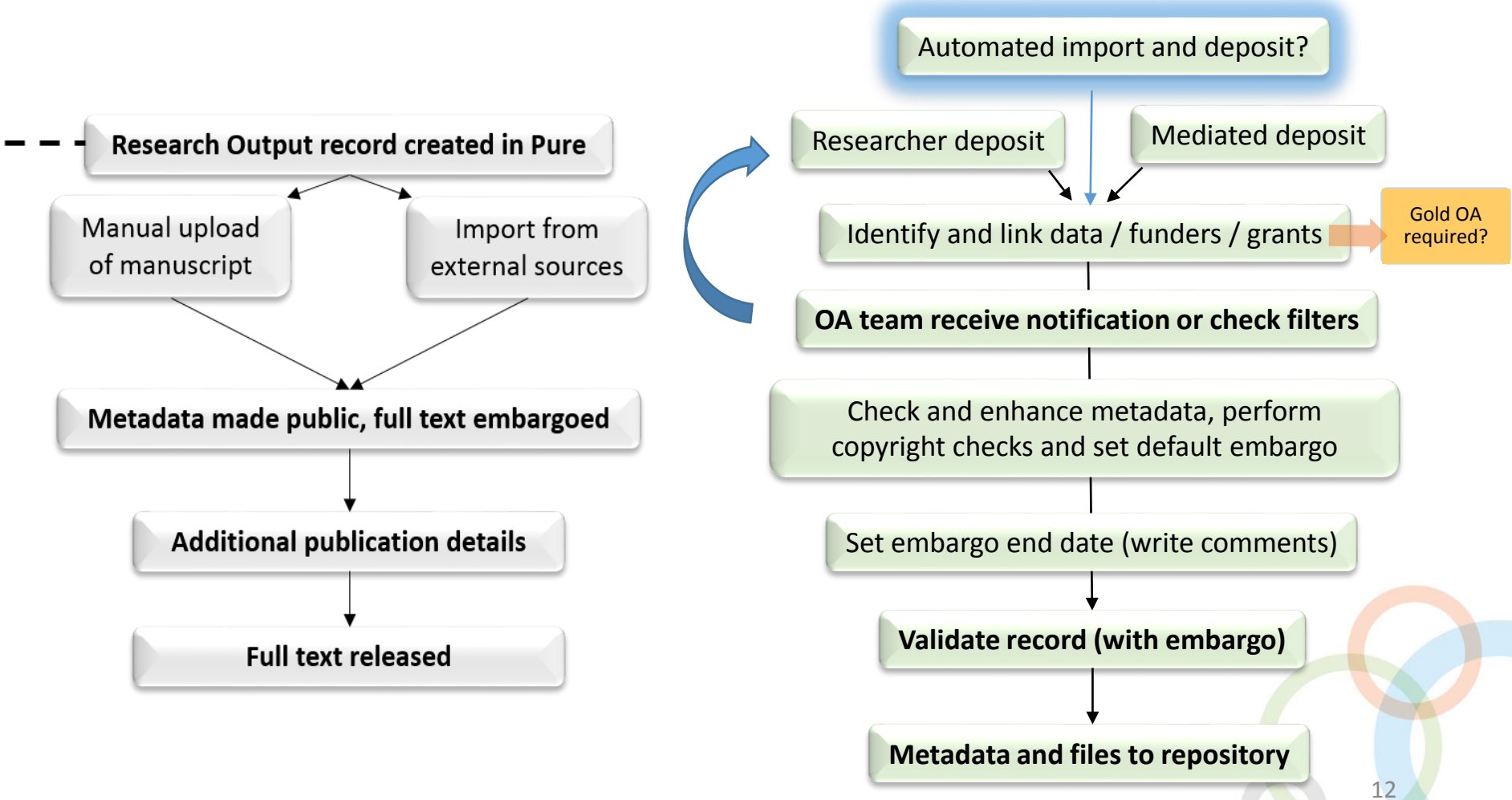
OA roles and validation workflow



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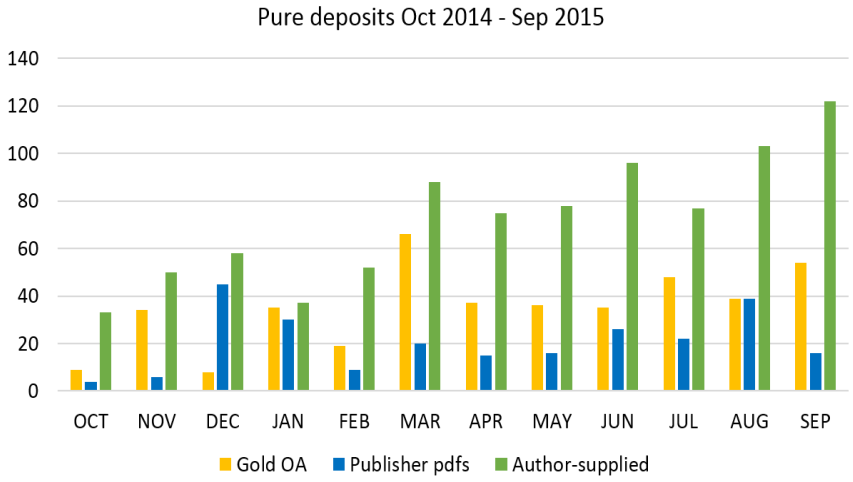
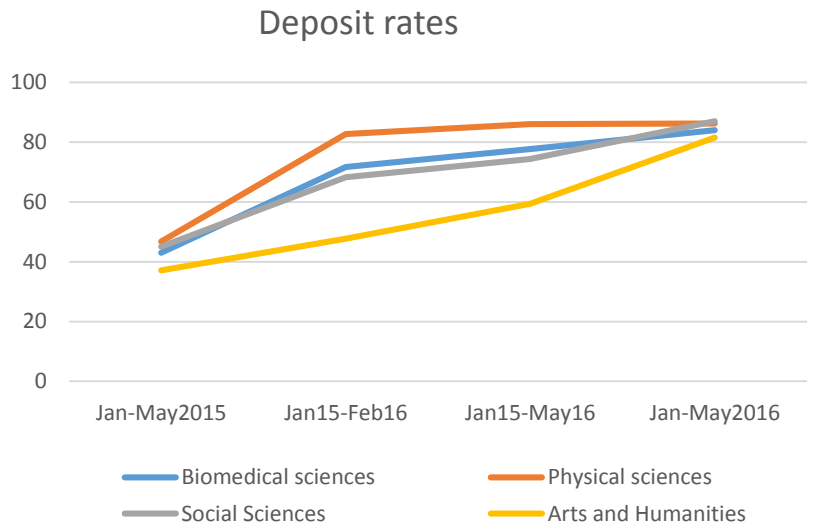
OA deposit trends





- Strategies developed as part of OA Good Practice project: LOCH
  (Lessons in Open Access Compliance for Higher Education)
- Quick wins
- Rise in **author-driven deposits** during pilot phase

- Current deposit rates by subject area
- Early increase in pilot Schools
- Gradual increase in Arts & Humanities

Joint approach

- Delivering joint OA-RDM Pure tutorials:
  - being able to address any questions related to OA and/or RDM
  - giving a complete overview of the processes and overlaps
- Drop-in sessions in schools
  - bringing the service to the researchers
- Cross-team communications
  - Raises awareness in researchers

- Shared staff posts between Library and Research Policy Office
  - brings together all the CRIS administrators

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How does it all look?

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Data underpinning - Dynamic covalent assembly and disassembly of nanoparticle aggregates

Dataset

Overview | Research publications | Funded projects

Associated persons

Stefan Borsley, (Creator)
Euan Robert Kay (Creator)

Associated organisations

School of Chemistry
EaSTCHEM

Contact person

research-data@st-andrews.ac.uk

Documents

Data_10.1039_c6cc00135a.zip

50 MB, multipart/x-zip

DOIs

http://dx.doi.org/10.17630/463d9de9-a8c3-44b4-9eb2-bbc63f9364a6

Description

Data for publication "Dynamic covalent assembly and disassembly of nanoparticle aggregates"; DOI: 10.1039/c6cc00135a

The following file types are included:
- NMR spectroscopy files
- UV-Vis spectroscopy files
- Transmission electron microscopy images

Date made available	4 Apr 2016
Publisher	University of St Andrews

Multiple oscillations in Neoarchaean atmospheric chemistry

Research output: Contribution to journal › Article

Overview | Citation formats | Research data | Funded projects

Author(s)

Gareth Izon ; Aubrey Lea Zerkle ; Yadviga Zhelezinskaya ; James Farquhar ; Robert J. Newton ; Simon W. Poulton ; Jennifer L. Eigenbrode ; Mark Claire

School/Research organisations

Earth and Environmental Sciences
St Andrews Isotope Geochemistry

Abstract

The Great Oxidation Event (GOE) represents a crucial juncture in Earth history, signifying the rise in atmospheric oxygen from parts per million to per cent levels at ~2.45-2.32 billion-years-ago (Ga). Although planetary oxygenation undoubtedly led to the inception of the contemporary Earth system, the trigger(s) and mechanism(s) controlling this chemical reorganisation remain elusive. Quantitative estimates of the atmosphere's composition in the prelude to the GOE are central to understanding this oxygenation event. Previous

More...

DOI

http://dx.doi.org/10.1016/j.epsl.2015.09.018
Final published version

Open Access permissions

Open

Links

Open Access version in St Andrews Research Repository

11

Details

Original language	English
Pages (from-to)	264-273
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Early online date	4 Oct 2015
DOIs	http://dx.doi.org/10.1016/j.epsl.2015.09.018
State	Published - 1 Dec 2015
Additional links	Supplementary material

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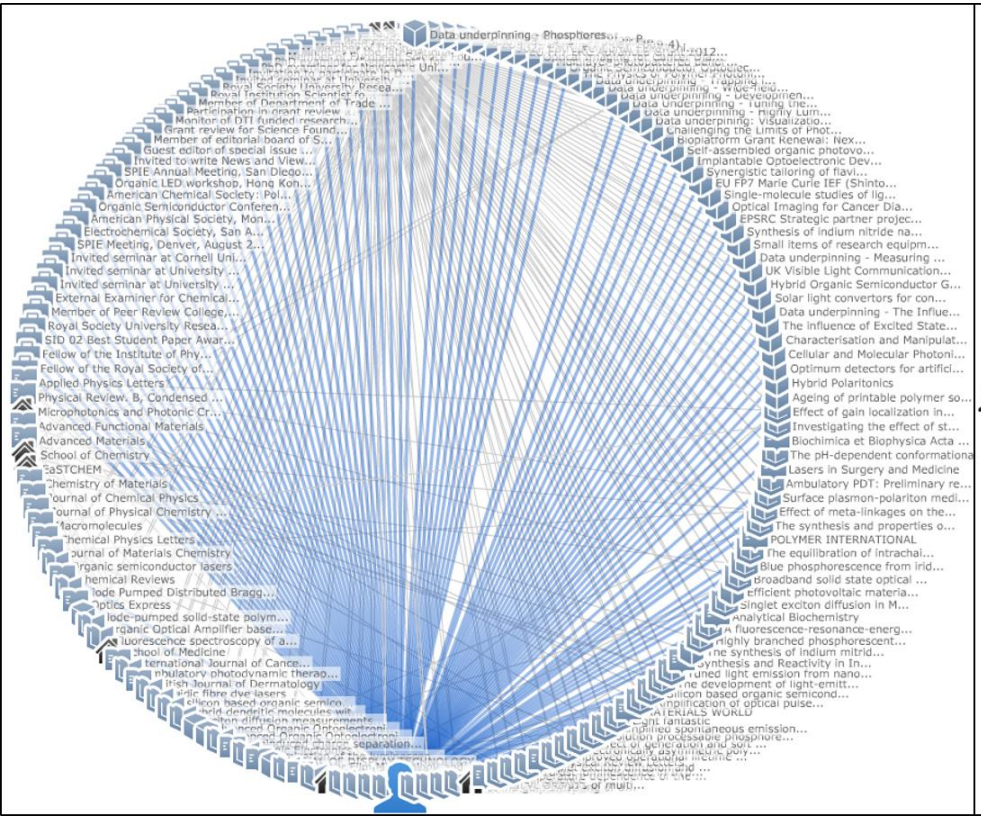
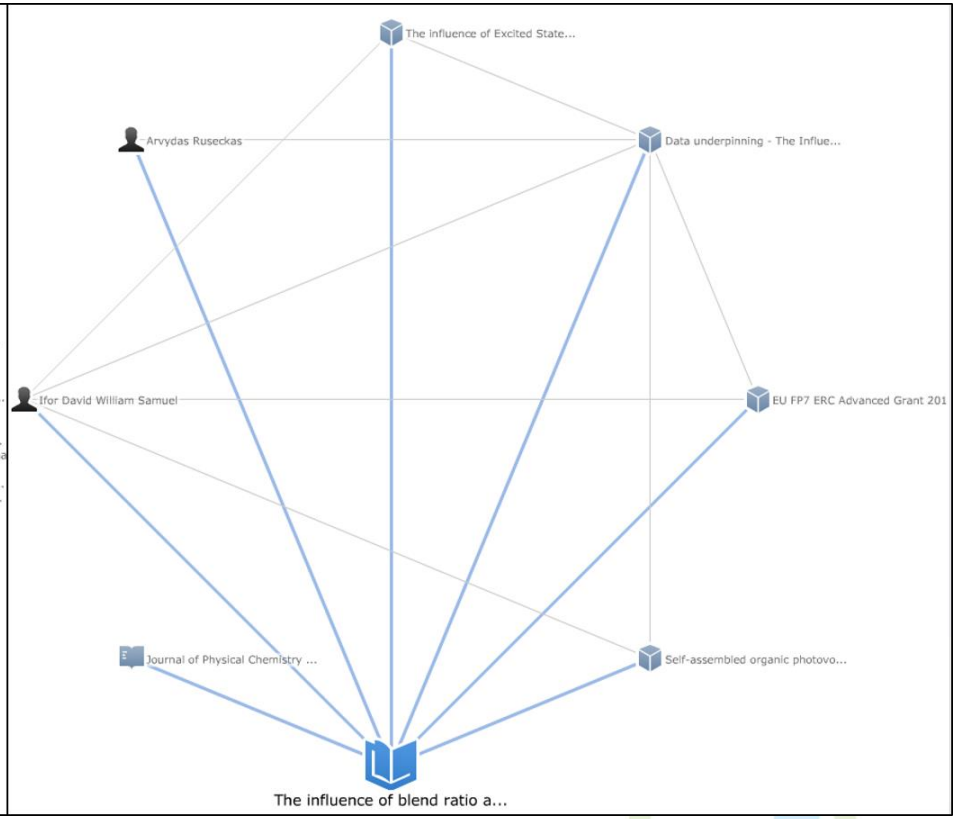
‘Graph of relations’





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Thank you for listening

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