

Make OA flow: using identifiers as open connectors for Open Access.

[Josh Brown](#) - Director of Partnerships, ORCID

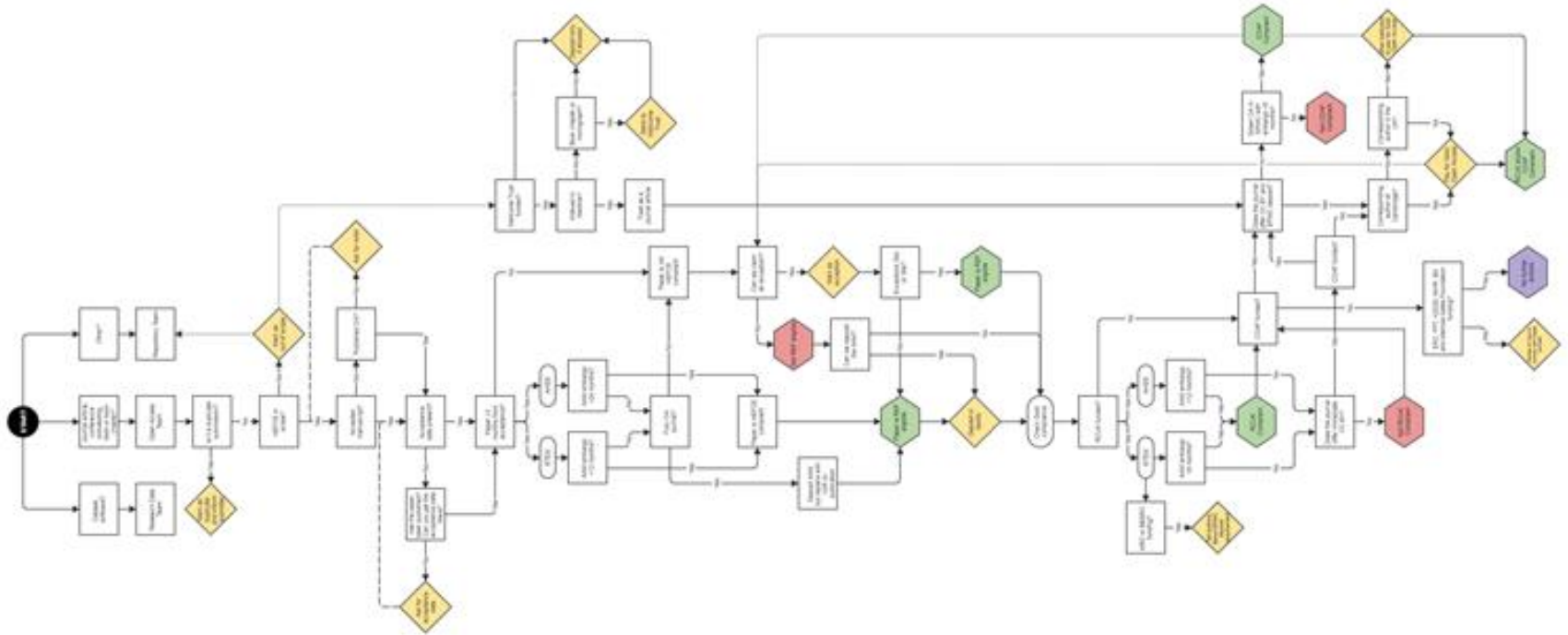
[Neil Jacobs](#) - Head of open science and research lifecycle, Jisc

[Rachael Lamme](#)y - Head of Community Outreach, Crossref

Overview

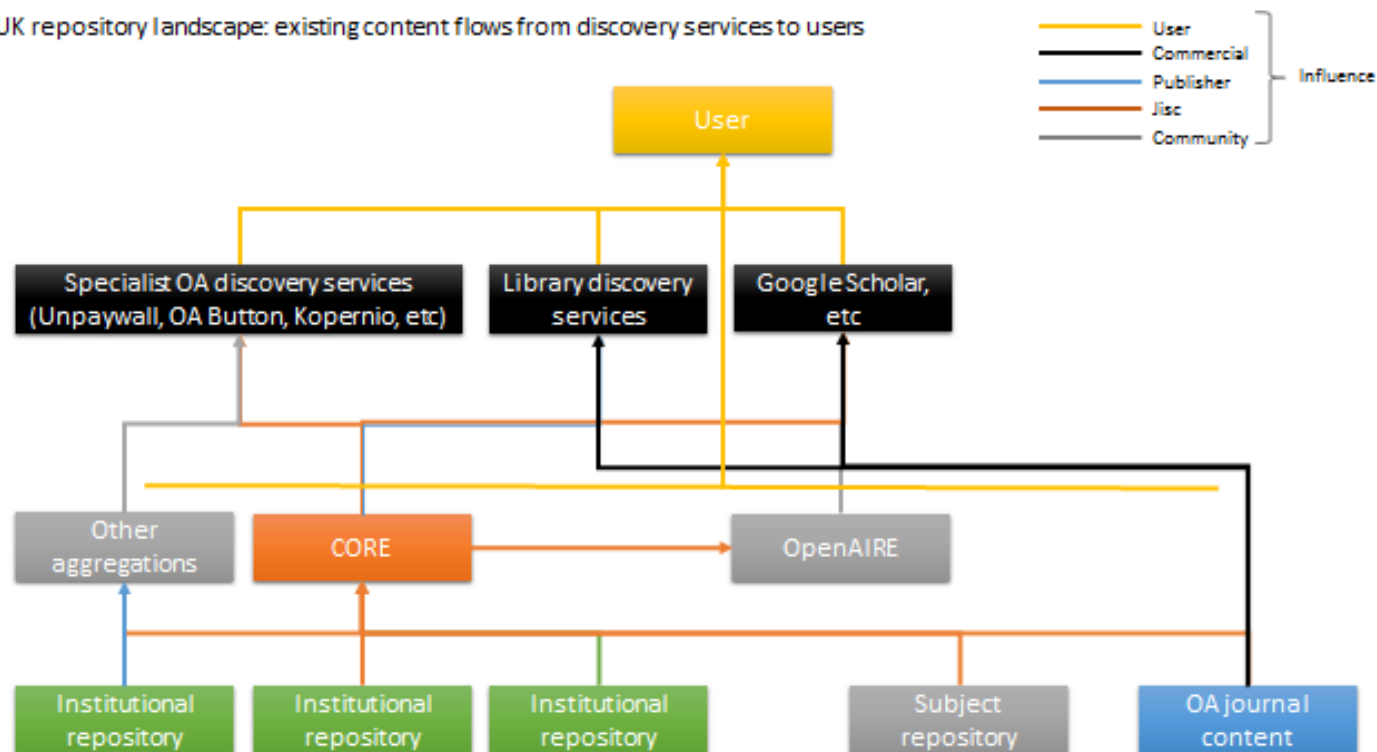
- 1) The problem
- 2) Making OA flow using identifiers
- 3) What works now, and how to make it work for you
- 4) Discussion and report back
- 5) What is on the horizon?
- 6) Discussion and report back
- 7) Wrap up

The problem (1) getting OA material out



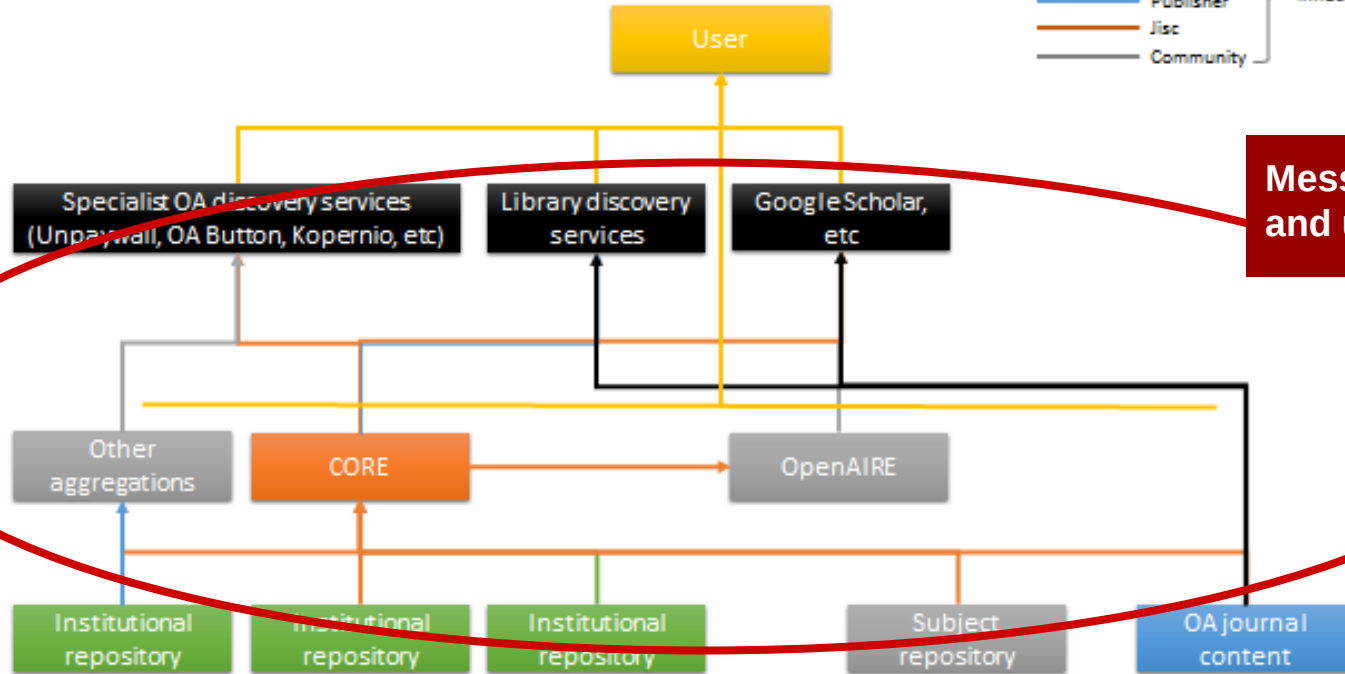
The problem (2) finding the OA material

UK repository landscape: existing content flows from discovery services to users



The problem (2) finding the OA material

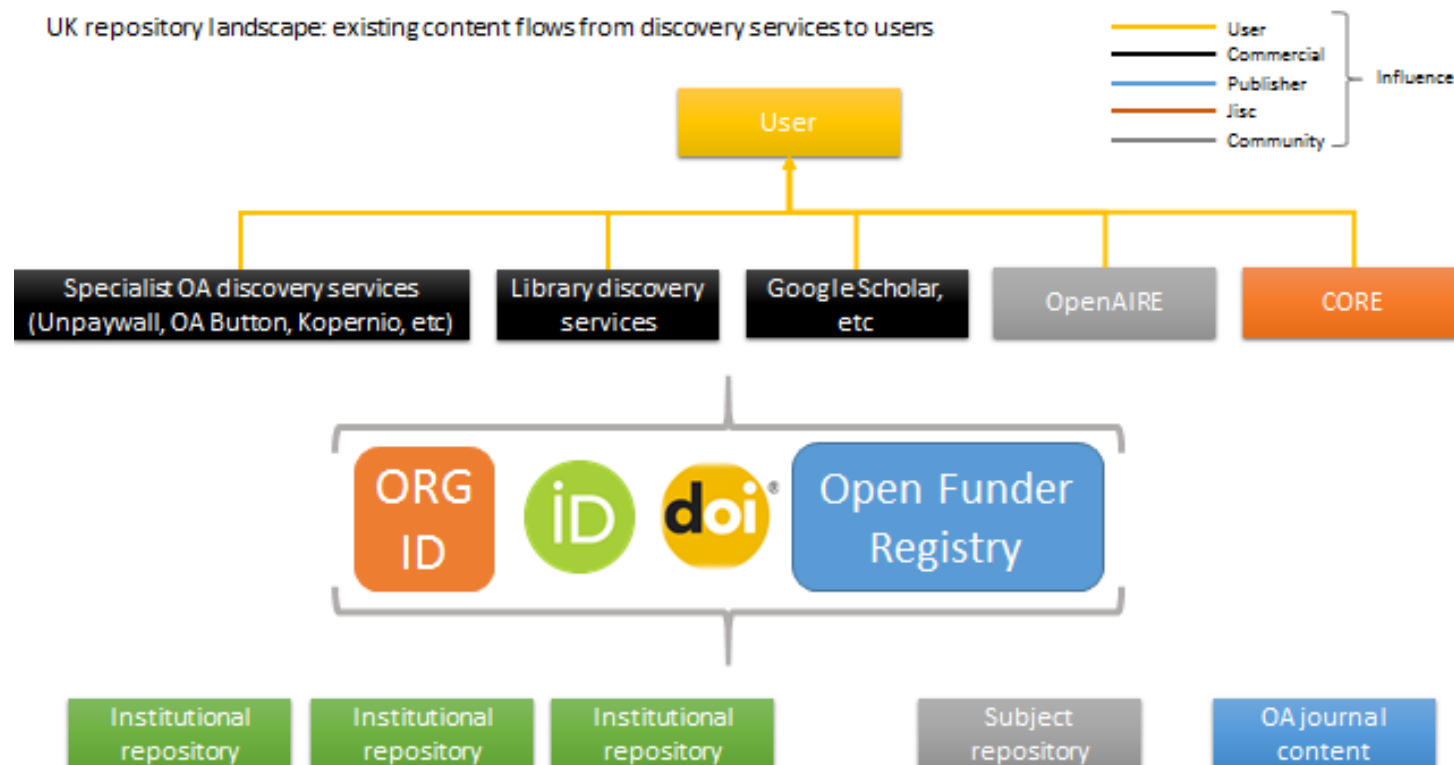
UK repository landscape: existing content flows from discovery services to users



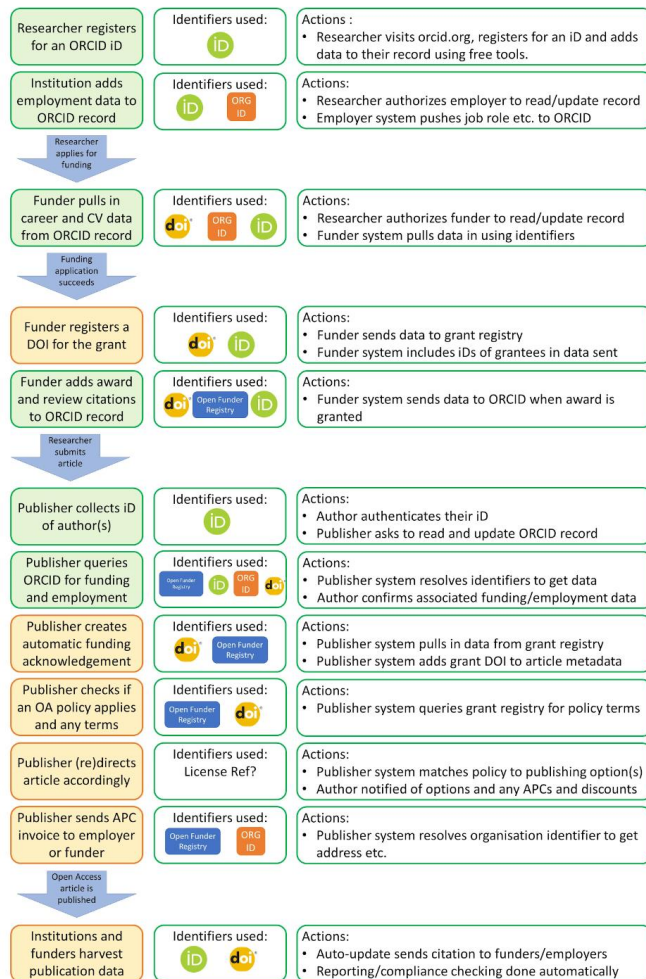
Messy, lossy and unreliable

The problem (2) finding the OA material

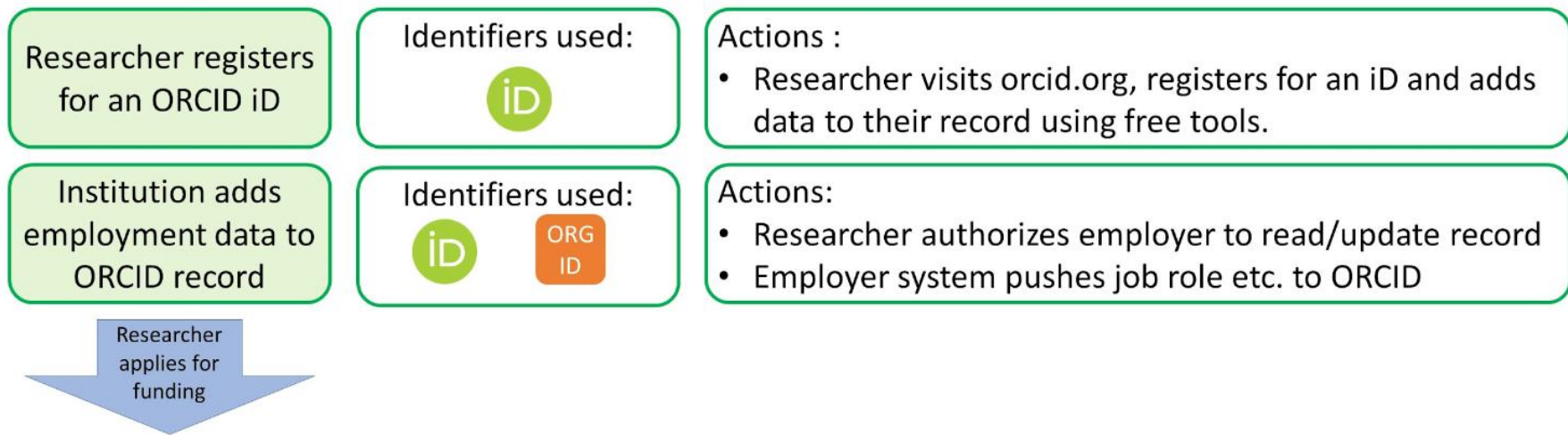
UK repository landscape: existing content flows from discovery services to users



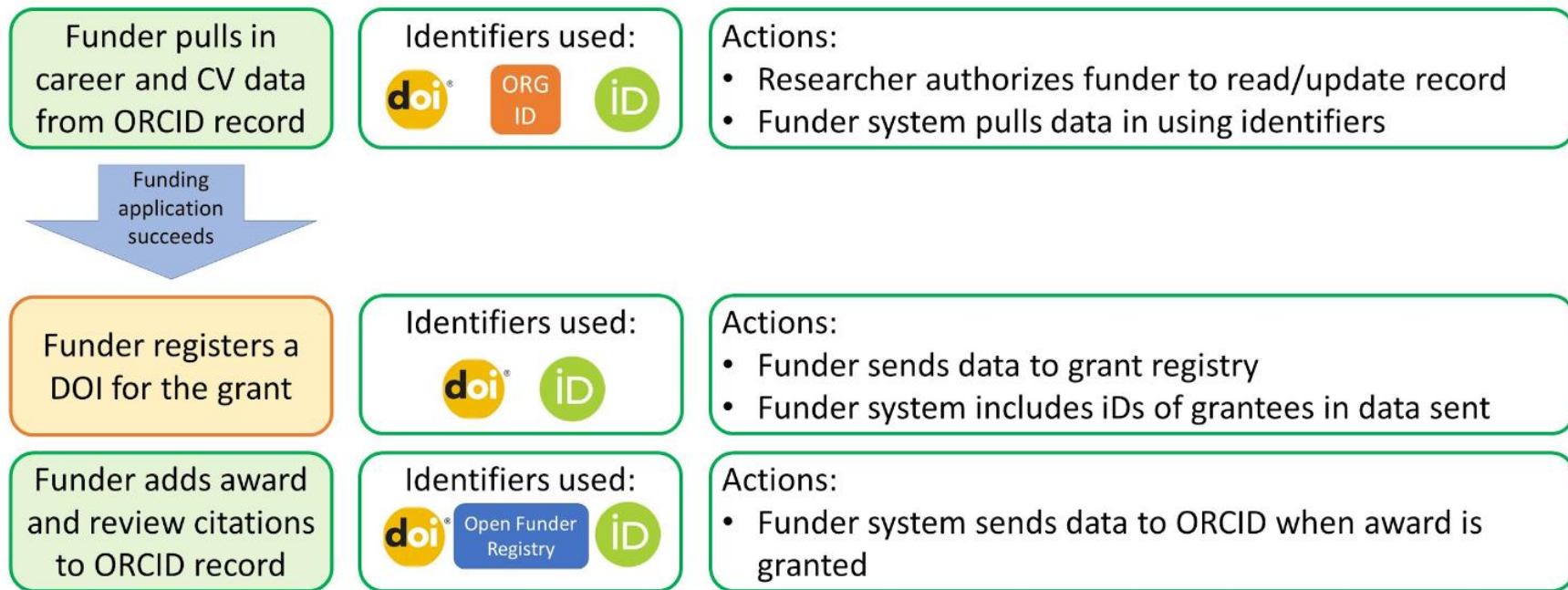
Identifiers in OA publishing



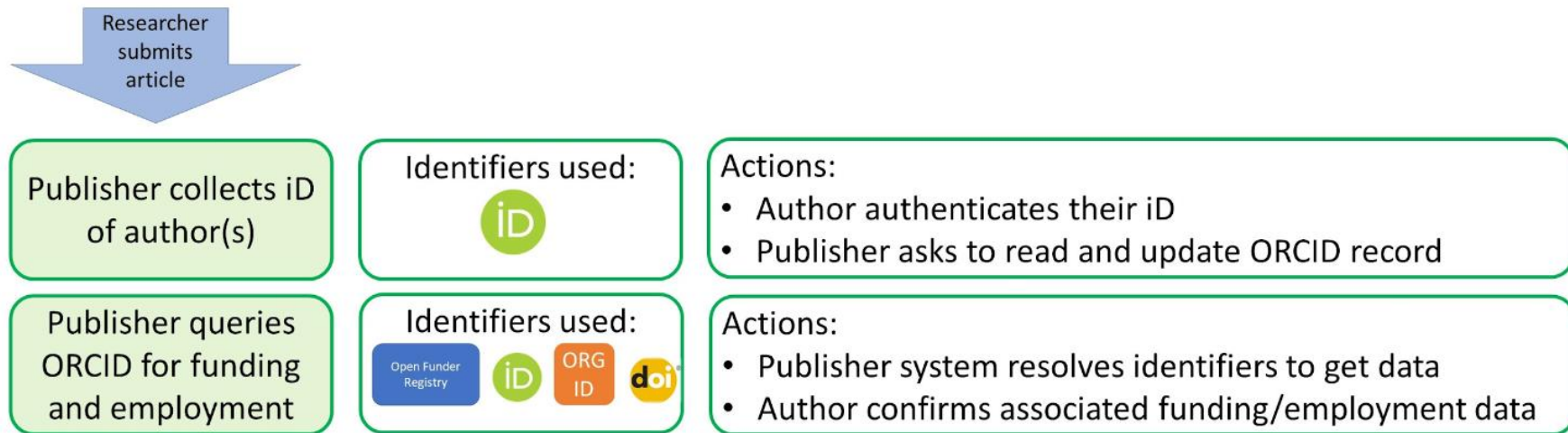
1: Laying the foundations



Step 2: supporting research



Stage 3: Communicating research



Step 4: opening up the research

Publisher creates automatic funding acknowledgement

Identifiers used:



Open Funder Registry

Actions:

- Publisher system pulls in data from grant registry
- Publisher system adds grant DOI to article metadata

Publisher checks if an OA policy applies and any terms

Identifiers used:

Open Funder Registry



Actions:

- Publisher system queries grant registry for policy terms

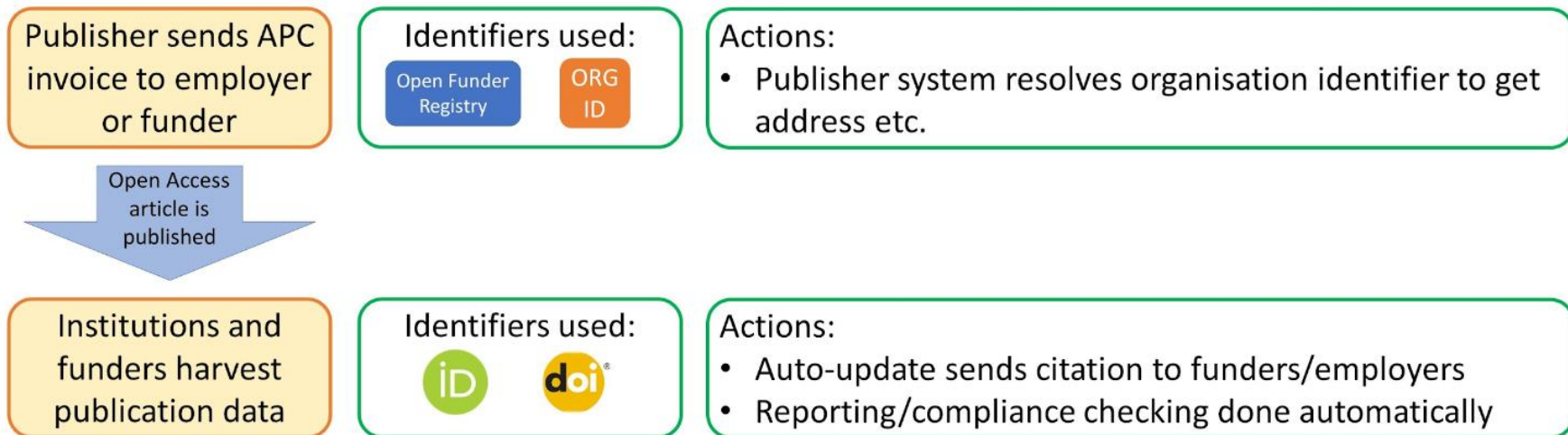
Publisher (re)directs article accordingly

Identifiers used:
License Ref?

Actions:

- Publisher system matches policy to publishing option(s)
- Author notified of options and any APCs and discounts

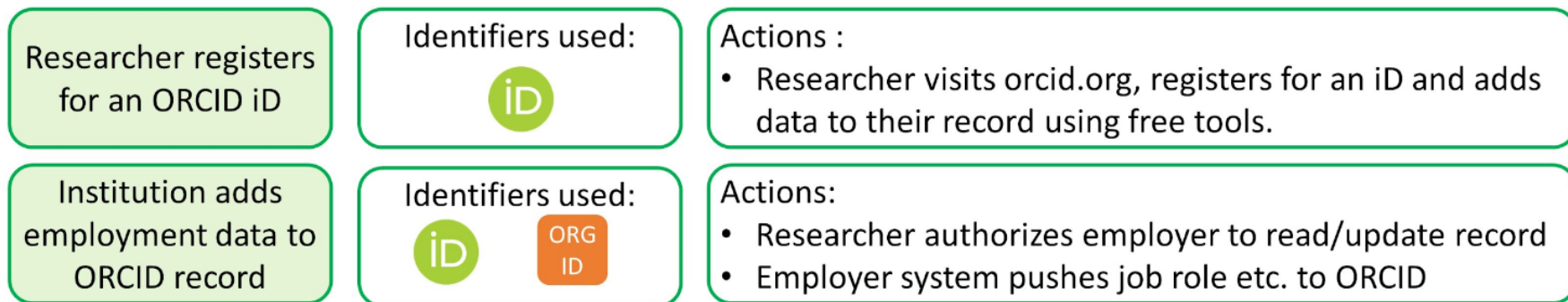
Step 5: reporting the research



What works NOW?

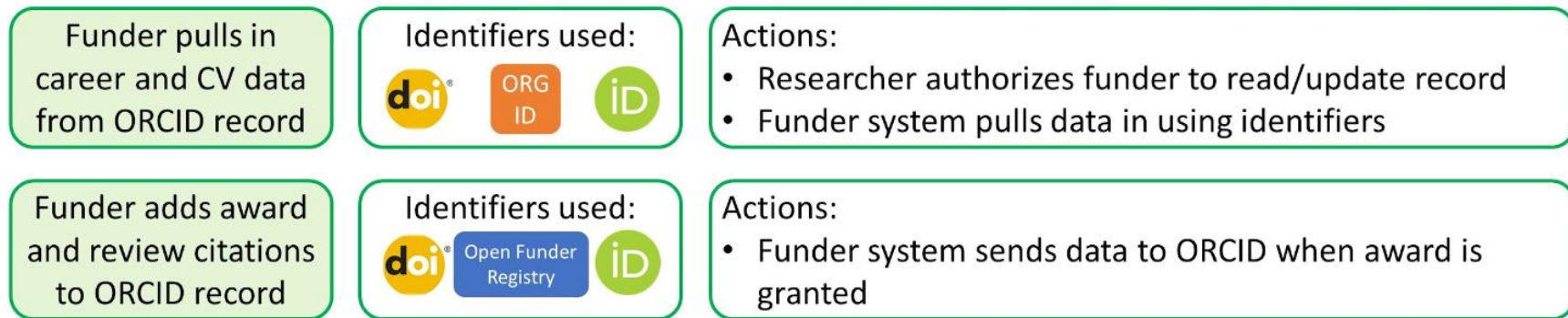
*(make a note where you dis/agree that
this is currently working in practice)*

Adding identifier connections via ORCID



- Researchers can easily register for an ORCID iD.
- ORCID members (78% of which are research performing organisations) can add employment information, linked to an organisation identifier to an ORCID record.

Linking people to grants



- Funders can reuse information from ORCID records.
- Funders and researchers can add funding information, linked to an organisation and grant identifier to an ORCID record.

Embedding identifiers in articles



- Researchers can link their ORCID iDs to their publications.
- Publishers can reuse information from ORCID records.
- Identifiers can be embedded in articles and metadata.

What is on the horizon?

Persistent identifiers for grant funding

Funder registers a DOI for the grant

Identifiers used:



Actions:

- Funder sends data to grant registry
- Funder system includes iDs of grantees in data sent

- Crossref and DataCite are developing open registries of DOIs for grants linked to funding information.
- DOIs are a well understood technology and funders, repositories and publishers alike can resolve DOIs to get to the information attached to them.
- Funders will be able to use the DOI registry to publish data in a reusable way.

Reusing grant metadata automatically

Publisher creates
automatic funding
acknowledgement

Identifiers used:



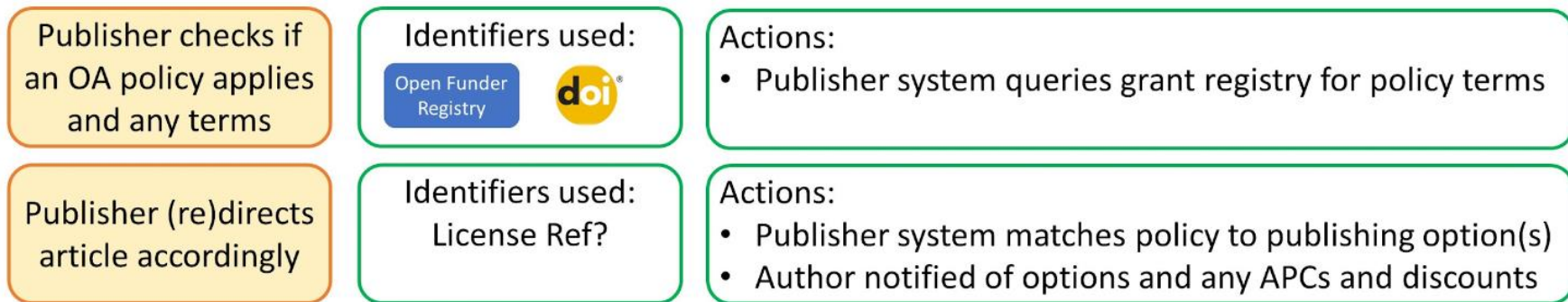
Open Funder
Registry

Actions:

- Publisher system pulls in data from grant registry
- Publisher system adds grant DOI to article metadata

- Publishers will be able to use the ORCID iDs of their authors to check for grants.
- Grant metadata will be available via the DOI, including organisation identifiers.
- Machine readable citations and human readable funding acknowledgements could be generated automatically

Let the machines check the requirements.



- Funders could attach links to OA policy requirements or license terms to the grant DOI.
- Specific licenses and policy features can have their own identifier.
- Simple 'plugins' for manuscript management systems can use the identifiers to ensure articles go to policy-compliant journals.

Streamline the billing process

Publisher sends APC invoice to employer or funder

Identifiers used:

Open Funder Registry

ORG ID

Actions:

- Publisher system resolves organisation identifier to get address etc.

- Publisher systems could pull addresses and other data from organisation identifiers.
- Invoices could contain the ORCID iD of the author, explicitly link an article to grant funding using the DOI.
- Research performing organisations will be better able to manage and track APC payments.

Simplify compliance checking and reporting

Institutions and funders harvest publication data

Identifiers used:



Actions:

- Auto-update sends citation to funders/employers
- Reporting/compliance checking done automatically

- Articles and datasets with associated identifiers for people and funding can be picked up by simple searches.
- Citations for articles can be automatically added to researchers' ORCID records, triggering a notification to their employer and/or funder.
- Funders will be able to aggregate information at the level of the individual grant.
- Researchers will check for gaps, rather than filling in everything.