Persistent identifiers – the needs of Funders

Gerry Lawson (NERC), Barcelona
Thursday 6th September 2012
Summary requirements

- **Research funding** – identifying co-funders and follow-on funding
- **Research eligibility and reporting** – identifying organisations & departments
- **Research application reviewing** – identifying expertise and conflicts of interest
- **Research facilities** – identifying eligibility for use of facilities international facilities & financial equivalents of facilities time
- **Research outputs & impacts** – identifying collaborators and co-authors, attribution of impact
- **Research publication payments** – identifying which organisation and country paid the APC on OA publications
- **Research outputs linked to research grants** - is there a need for a grants DOI service
- **Research careers** – how to track career development and national strength of disciplines
- **Research classifications** – national and international classifications to identify synergies and overlap
Identifying Funders (1)

- Thompson – Web of Science
- Elsevier- (FundRef)
- National collaborations (e.g. UK Funders Forum, AMRC, LWEC)
- EU – via ERA-Nets

<table>
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<tr>
<th>Funding Agency</th>
<th>Grant Number</th>
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<tr>
<td>NERC</td>
<td>NE/F004753/1 NE/D013305/1 NE/C002105/1</td>
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<td>Ramon y Cajal Fellowship</td>
<td>RYC-2008-03664</td>
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<td>Generalitat de Catalunya</td>
<td>2009SGR142</td>
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M.D. was supported by the Aquatic Ecology by Research MSc programme within SBCS, Queen Mary University of London hosted by J. G. Y.-D., M.T., D.M.P., and G.W. acknowledge the financial support of NERC (grant nos. NE/F004753/1 and NE/D013305/1) and J.M.M. the financial support of a Ramon y Cajal Fellowship (RYC-2008-03664) and Generalitat de Catalunya grant (2009SGR142). The experiment was made possible thanks to the support of the NERC Fellowship Scheme (NE/C002105/1) awarded to J.M.M., and the hosting of the facilities by the Freshwater Biological Association.
Identifying Funders (2)

• EU Research Organisations
  – European Research Council; JRC; European Science Foundation; Science Europe; ERA-Nets; thematic groups - e.g. PEER, EuroGeoSurveys, ASSEMBLE, )

• EU Publication Databases
  – CORDIS; DRIVER; OpenAire

• EU Datacentres (e.g. Co-Data, “Riding the Wave”)
### Identifying Funders 3 (ERA-Nets)

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<th>Coordination Action (CA)</th>
<th>Specific Support Action (SSA)</th>
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Identifying Research Organisations

- Higher Education Institutions (164 in the UK)
- Independent Research Organisations (56 recognised by RCUK)
- Research Council Institutes (BBSRC 6, MRC 33, NERC 6, STFC 5)
- Research Organisations (RCUK fund 268 – including some overseas, but 460 have applied to NERC)
- UK “Departments” (1542 for NERC alone)
- HECFE “Campus Information” will clarify UK HEI department names annually from 2013 – and map in % terms to “Cost Centres” and REF “Units of Assessment”
- Make use of EU “Participant Identification Code” (PIC)?
Identifying Reviewers

- Matching internal “College” members to applications
- Identifying external reviewers
- Identifying conflicts of interest
- Journals have similar needs for reviewers
- Use Subject classifications – e.g. RCUK 3-tier ‘research classification’
- NERC is investigating Elsevier-Collexis ‘fingerprinting’
Research Facilities

• NERC (and STFC/MRC) provides ships, aircraft and a range of analytical equipment
• Link outputs to facilities
• International collaboration crucial
• Provide cash equivalent of competitively awarded facility time to Funding Councils for Research Excellence Framework
• Link people <> grants <> facilities <> data
Research Outcomes

• Outcomes from RCUK grants are attributed grants/projects/programmes in **ROS** (AHRC, BBSRC, ESRC, EPSRC) and **Research Fish** (MRC, STFC)
• NERC is joining ROS from 1/1/2013 (2012 collection campaign)
• NERC **Citation Study** (2003-2010)
• ORCID will be integrated in ROS asap (should funders register all grant-holders?)
• Research Outputs:
  – Publications (book, journal, conference, report, other)
  – Other (bio/medmical, creative, electronic, physical, research materials, other)
  – Collaboration (partnership, panel, committee networks)
  – Further funding
  – Staff development
  – Dissemination
  – Intellectual Property (IP, exploitation mechanism)
  – Recognition (prize, medal, honorary degree, fellowship of learned society, editorial board, panel, other award)
  – Impact (summary, policy, business, third sector)
Open Access APC Payments

• Standard article-level metadata needed – hopefully in conjunction with publishers:
  – OA symbols on publishers sites
  – Access metadata in CrossRef (APC, Subscription free)
  – Copyright metadata in CrossRef (e.g. CC-BY)
  – Research funder information in FundRef
  – APC payment in FundRef (?)

• Need for publishers to disseminate metadata to repositories and aggregators (DRIVER, BASE etc) – either a) Repository Junction service, b) CrossRef Metadata service; c) WoS Web Service; d) SciVerse Web Services?

• Need for ‘faceted’ searches needed from aggregators – including Funder and GrantID fields?
Research Careers (RCUK/HESA/Vitae)

- UK Early careers survey of 4500 PhD leavers/yr (HESA)
- UK Longer-term survey of careers of selected PhDs (HESA)
- Sustainability of the UK research workforce (RCUK)
- What do researchers do (RCUK)
- Study on mobility and careers of EU Researchers
- MORE2 Project (mobility of European Researchers)
Eu Research by Sectors

Proportion of Researchers by Sector (EuroStat 2010)
Researchers by EU Country 2010

1.54 million researchers in Europe (Eurostat 2010) – A challenge for ORCID!