



UK Ocean Acidification
Research Programme

UK Ocean Acidification Research Programme
1st Annual Science Meeting: Cambridge 6-7 January 2011

Welcome & Introduction
Harry Elderfield (Cambridge)





UK Ocean Acidification
Research Programme

The UK Ocean Acidification Research Programme has been funded by NERC, Defra & DECC to

- increase understanding of processes
- reduce uncertainties in predicting impacts
- improve policy advice



Programme schedule

- 2008 NERC Council approval of Theme Action Plan;
Funders' commitments (NERC, Defra, DECC); programme
planning starts
- 2009 Science Plan and Implementation Plan; call for bids.
Knowledge Exchange Coordinator appointed
- 2010 Awards announced in May; most projects start Sept – Dec.
Science Coordinator appointed
Participation in meetings at Bremerhaven and Monaco
- 2011 **First programme Annual Science Meeting: 6-7 Jan.**
Funding for US-UK exchange visits.
Research cruise around UK/Ireland (June-July)
- 2012- Fieldwork and laboratory studies to include research cruises
in Arctic (2012) and Southern Ocean (2013)
- 2014 End of Programme

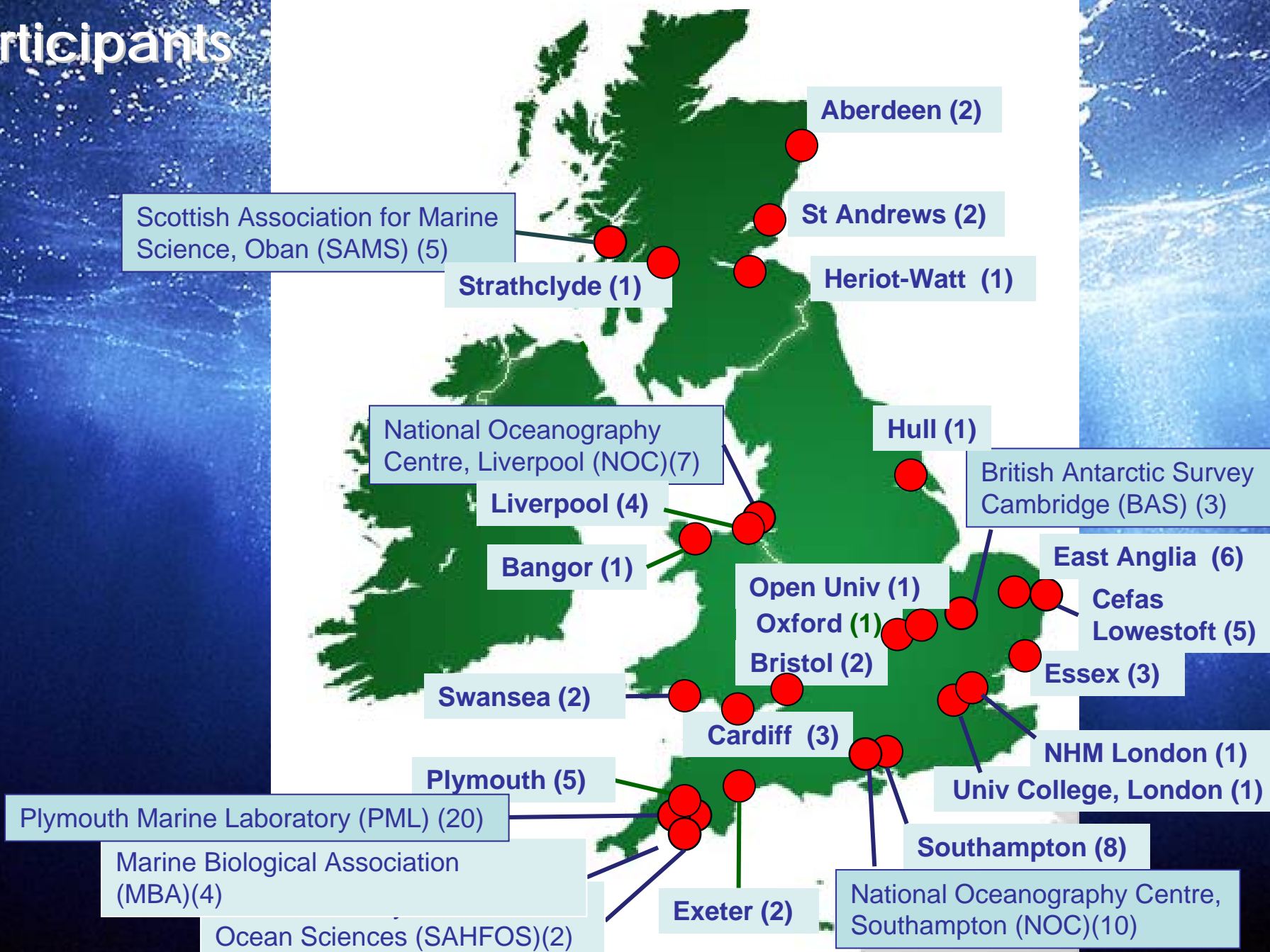


Funding history

- Science Plan and Implementation Plan published
- Seven science deliverables matched to funded consortium projects
- Partnerships within consortia
- Studentships additional to consortia
- 120 researchers at 26 sites in UK

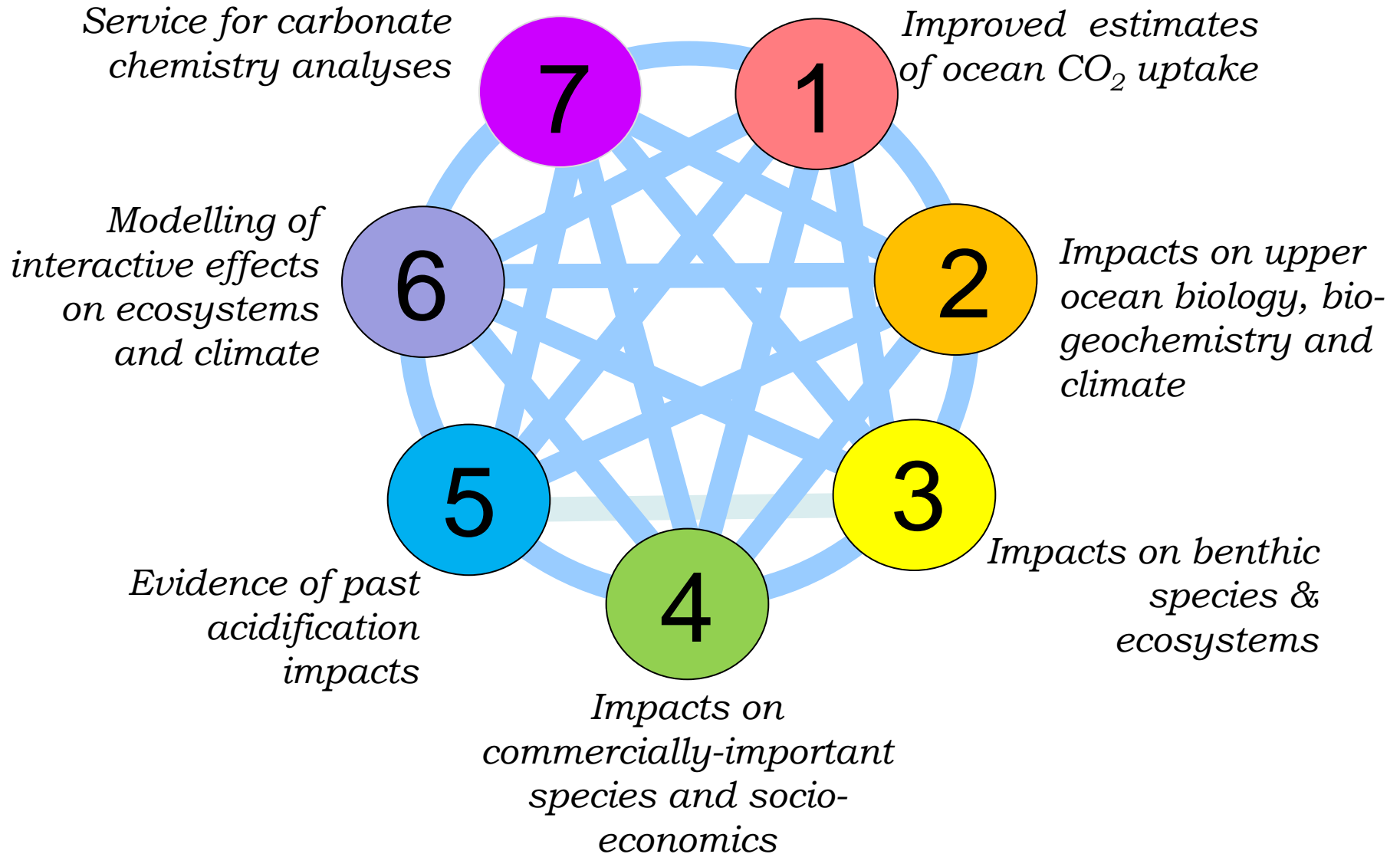
UKOARP participants

~120 researchers at 26 sites



UKOARP structure

Seven science deliverables



UKOARP structure

Sessions at 1st Annual Science Meeting
will summarise consortia components

Ocean acidification carbonate chemistry facility. *Led by Eric Achterberg, Southampton*

Observations and synthesis to establish variability and trends of oceanic pH. *Led by Andrew Watson, Univ of East Anglia*

7

1

CO₂ - carbon cycle-climate interactions . *Led by Andy Ridgwell, Bristol*

6

2

Ocean acidification impacts on sea surface biology, biogeochemistry and climate. *Led by Toby Tyrrell, Southampton*

Regional ecosystem & bio-geochemical impacts of ocean acidification. *Led by Jerry Blackford, PML*

5

3

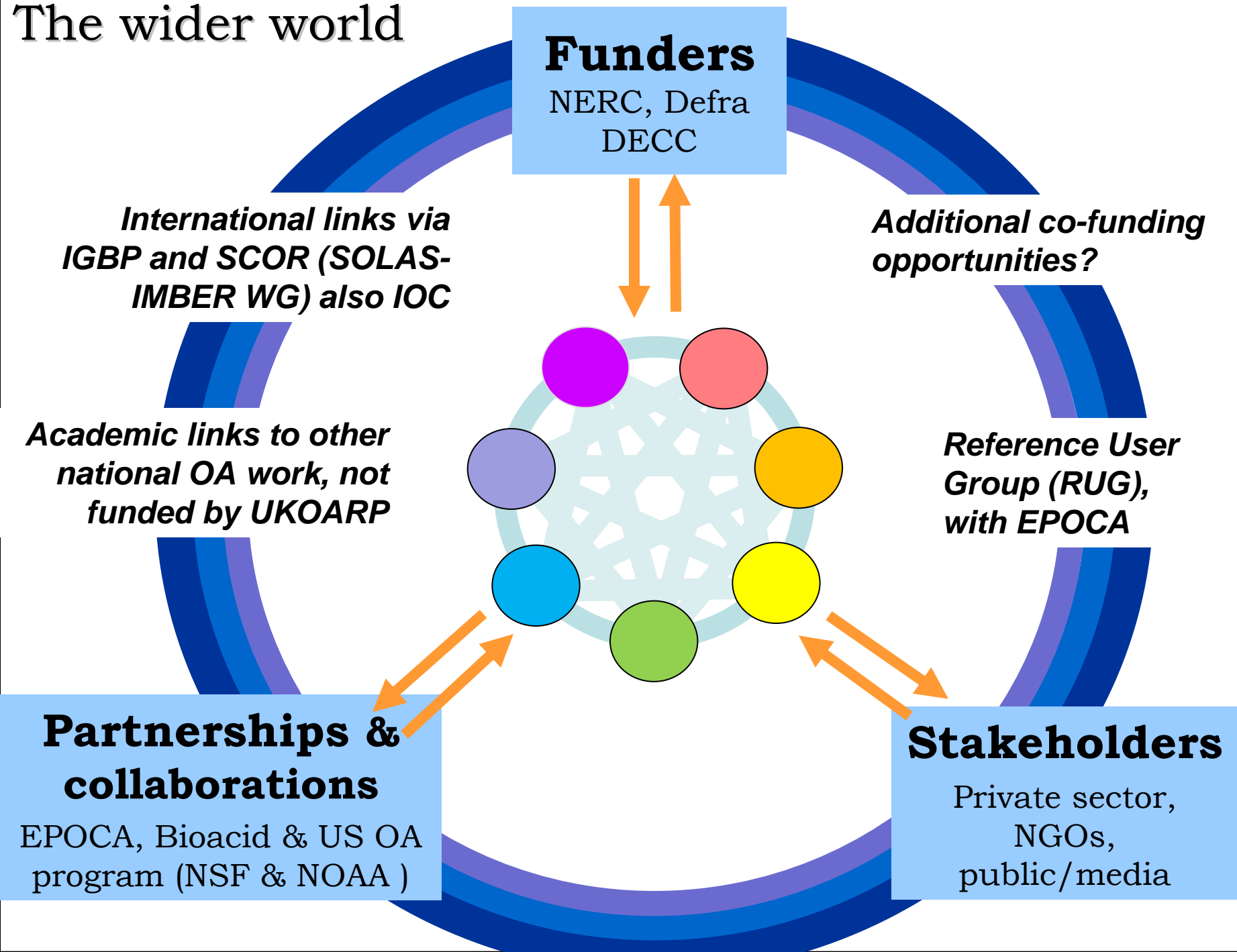
Abrupt ocean acidification events. *Led by Paul Pearson, Cardiff*

4

Impacts of ocean acidification on key benthic ecosystems, communities, habitats, species and life cycles. *Led by Steve Widdicombe, PML*

Improve understanding of impacts on commercially-important species at population-to-ecosystem level, and socio-economic implications . *Led by Kevin Flynn, Swansea*

The wider world





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UKOARP Management summary

Science Coordinator	Phillip Williamson
Knowledge Exchange Coordinator	Carol Turley
Programme Administration	Jessica Batchelor

Advisory structure: Programme Advisory Group (PAG)

Advice from scientists, stakeholders, programme PIs

Executive structure: Programme Executive Board (PEB)

Representing Funders and PAG

Reference User Group

Joint with EPOCA and BIOACID



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