



The ADMIRE Project  
- A Data Management Infrastructure for Research at the  
University of Nottingham  
*DCC RoadShow*  
*7<sup>th</sup> February 2012*

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Centre for Research Communications  
University of Nottingham



# ADMIRe

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- To establish and pilot a sustainable research data management infrastructure for the University of Nottingham
- A major component of service support for the institution
- Steered by a research data management policy endorsed at the highest level.
- Infrastructure will support the full research data lifecycle, acknowledging and responding to differing practices across disciplines.

# ADMIRe aims to

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- Improve research data management capability
- Extend opportunities for data reuse
- “Open up” research data (in line with JISC programme objectives)
- Adopt and encourage national standards
- Work across University boundaries and committees
- Use existing expertise from within and without

# RDM - Impact for institutions

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- Research Data lost, ignored and untapped
- Response necessary as a requirement of grant
- Competitive grant advantage for compliance
- Clarity with investment IPR
- Competitive commercial advantage with IPR
- Strategic alignment with global changes
- Requires different service divisions to work together
- Incentive for more closely integrated knowledge management



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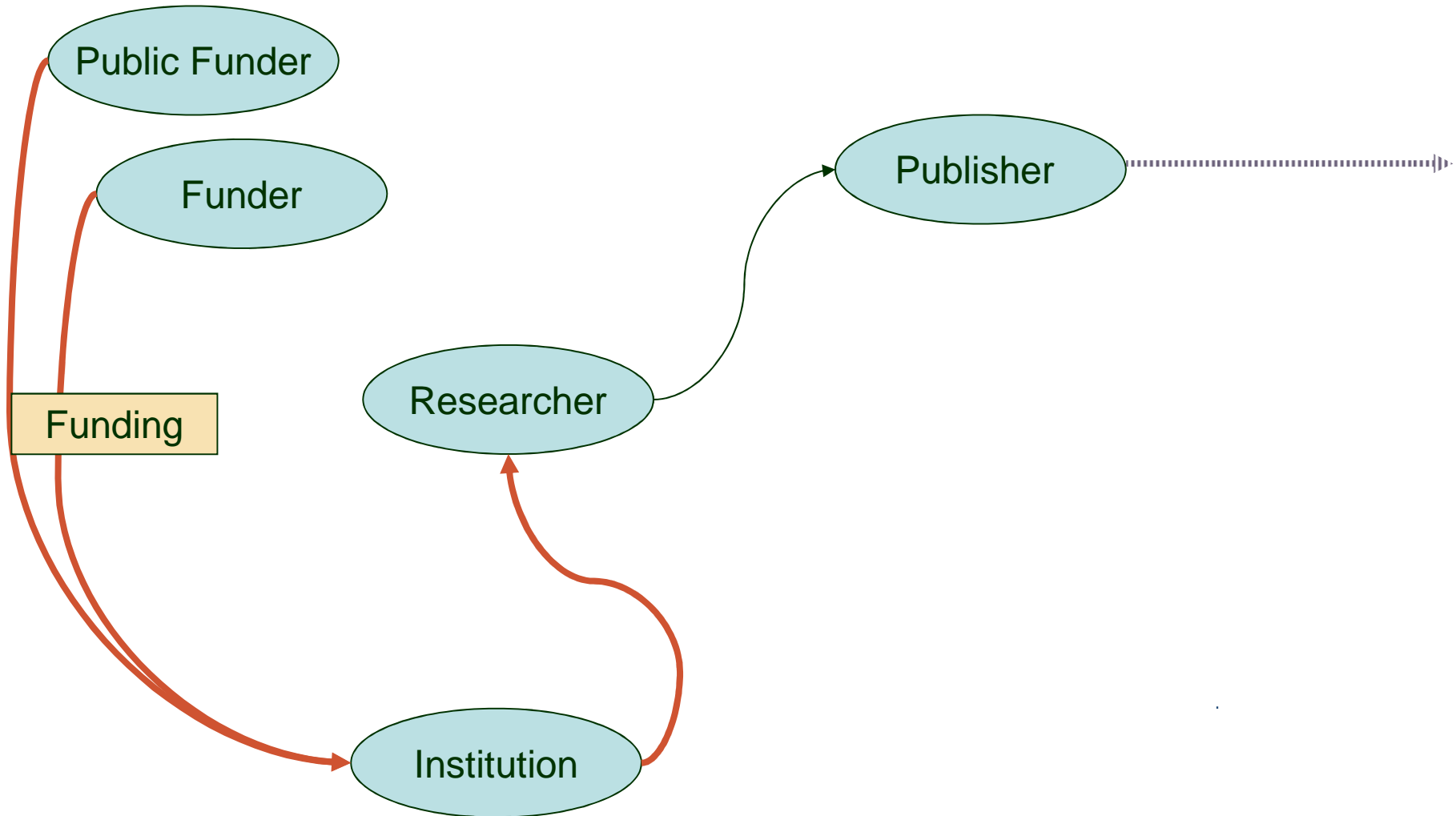
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# Pity the researcher . . .

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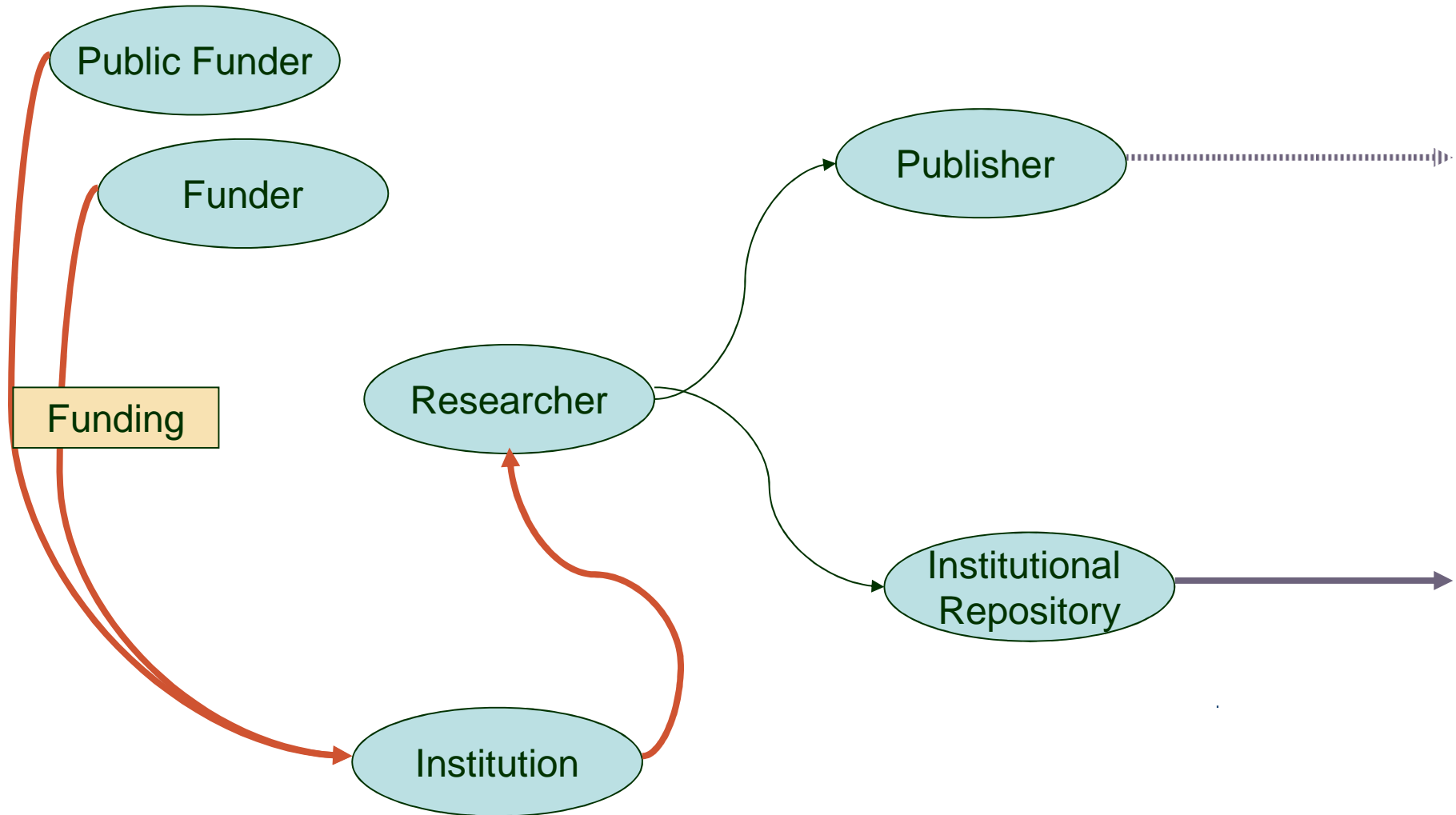
# Researchers view from the past . . .

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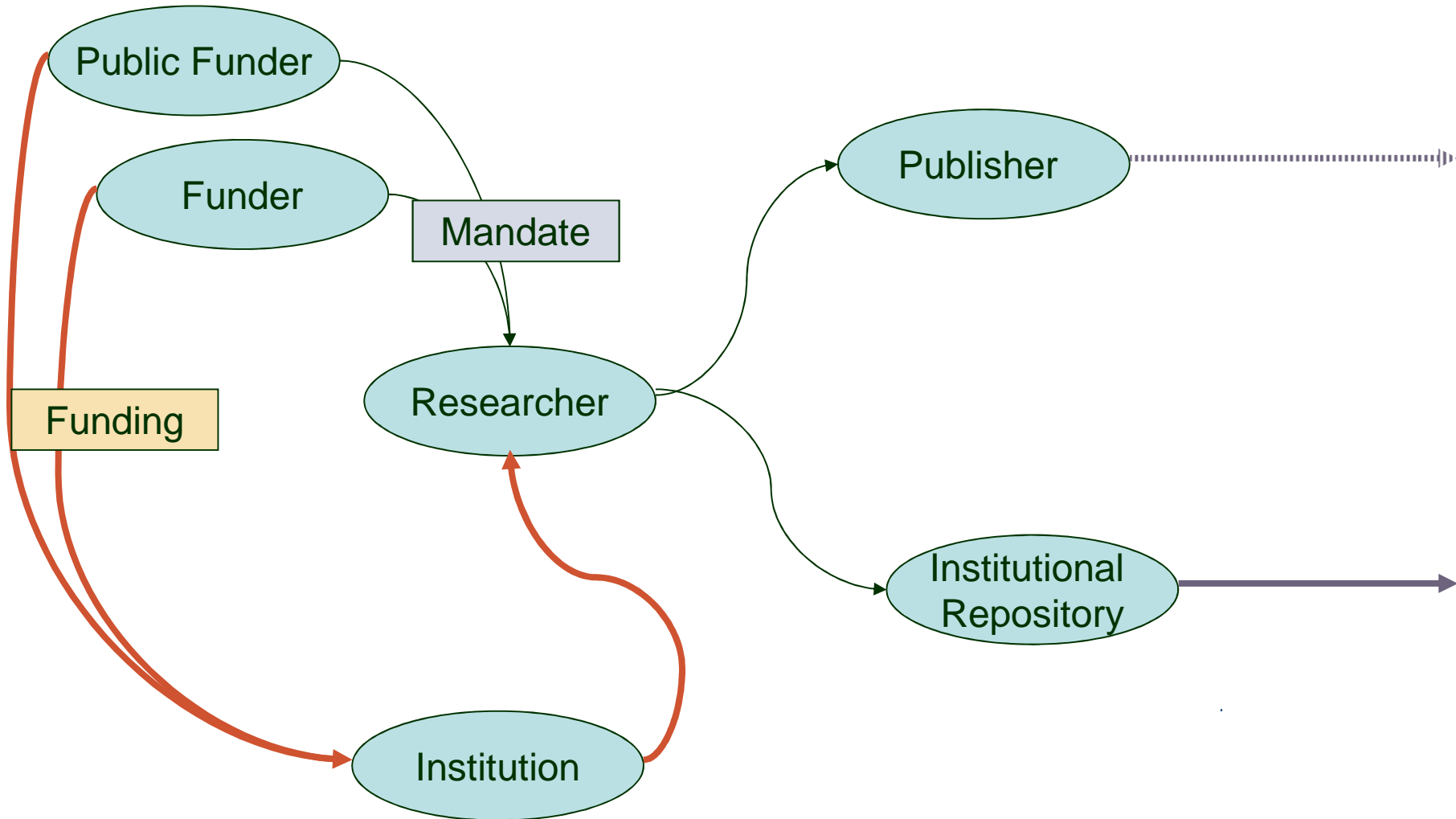
# Researchers view

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# Researchers view

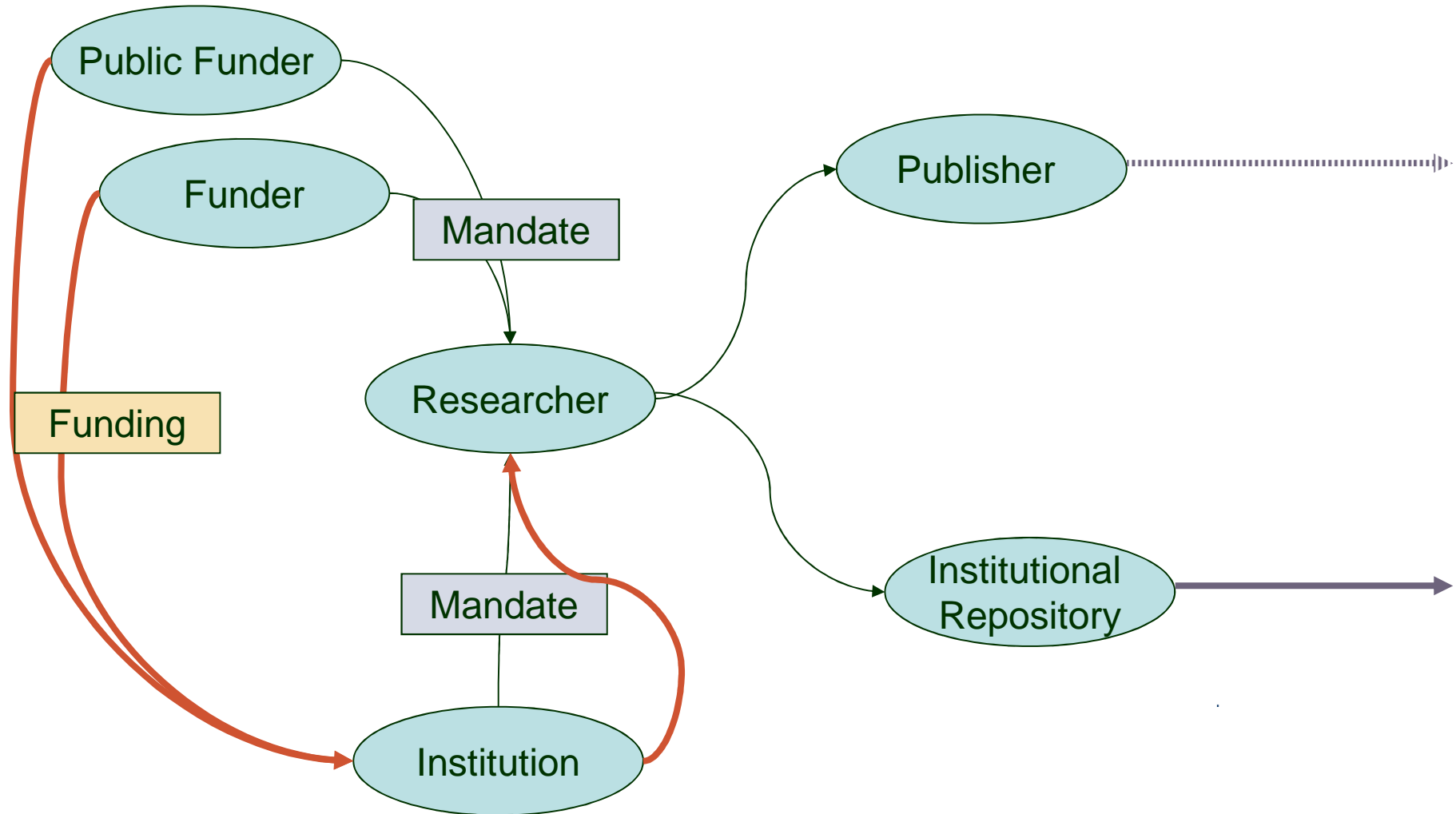
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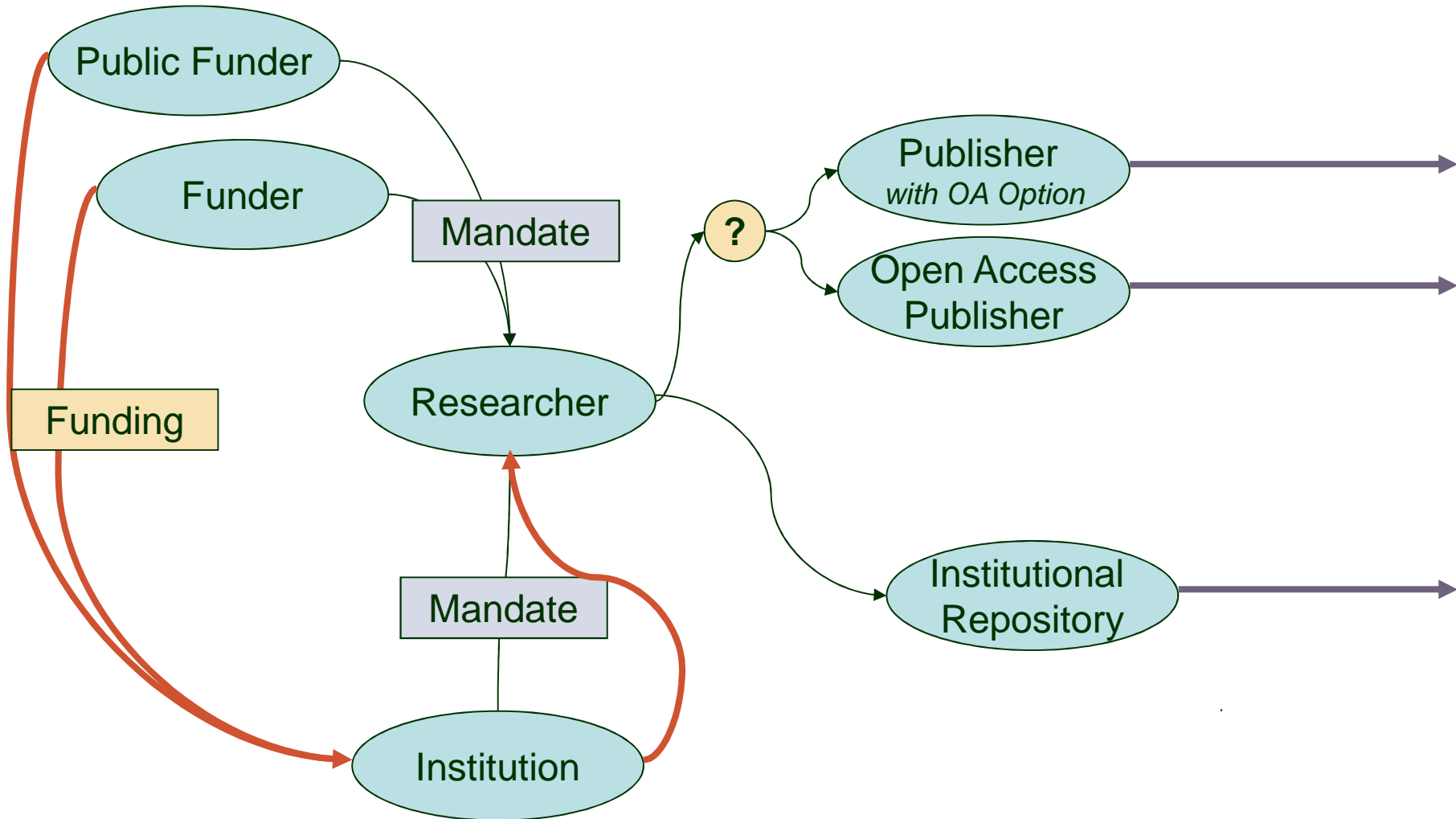
# Researchers view

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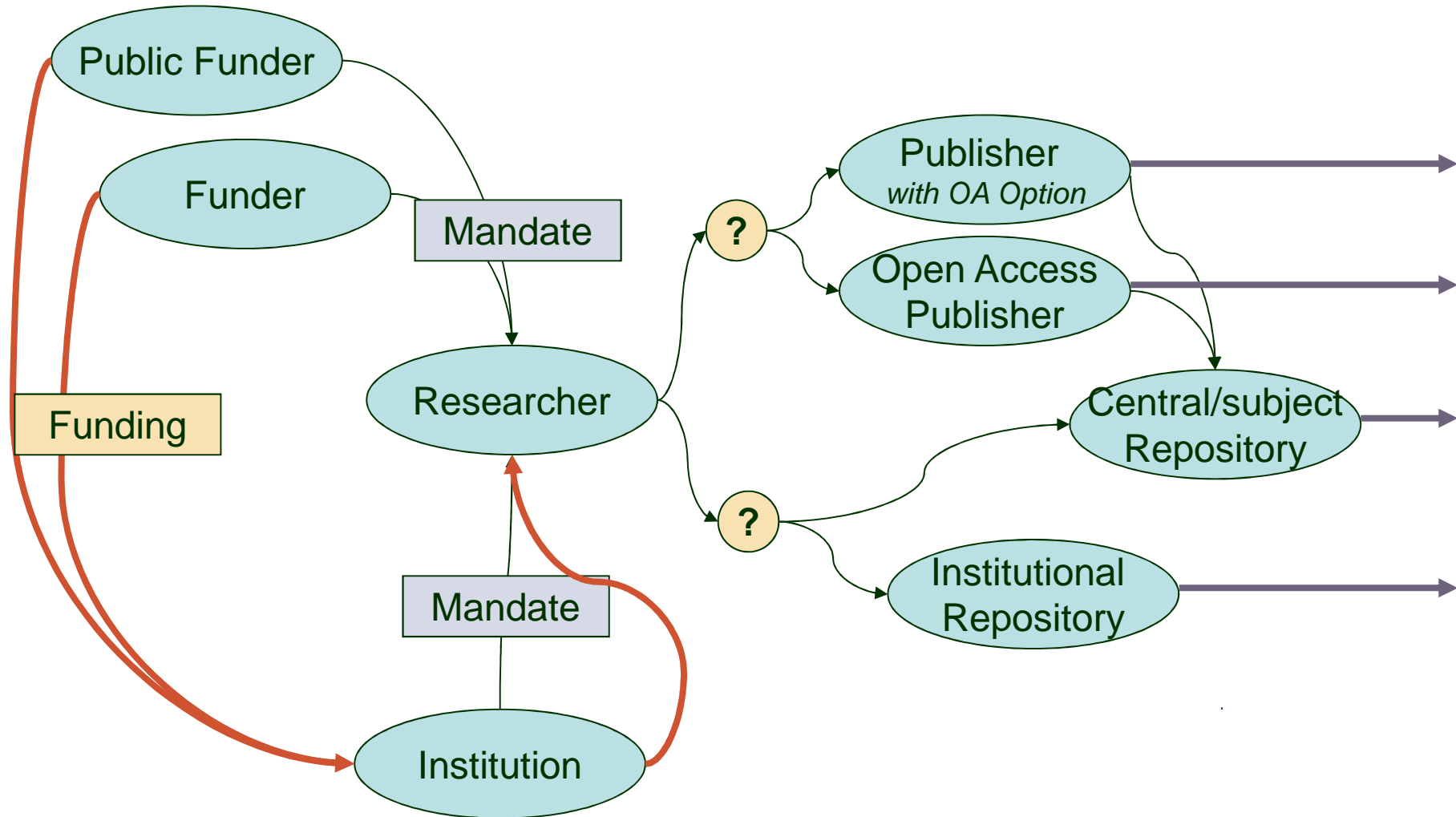
# Researchers view

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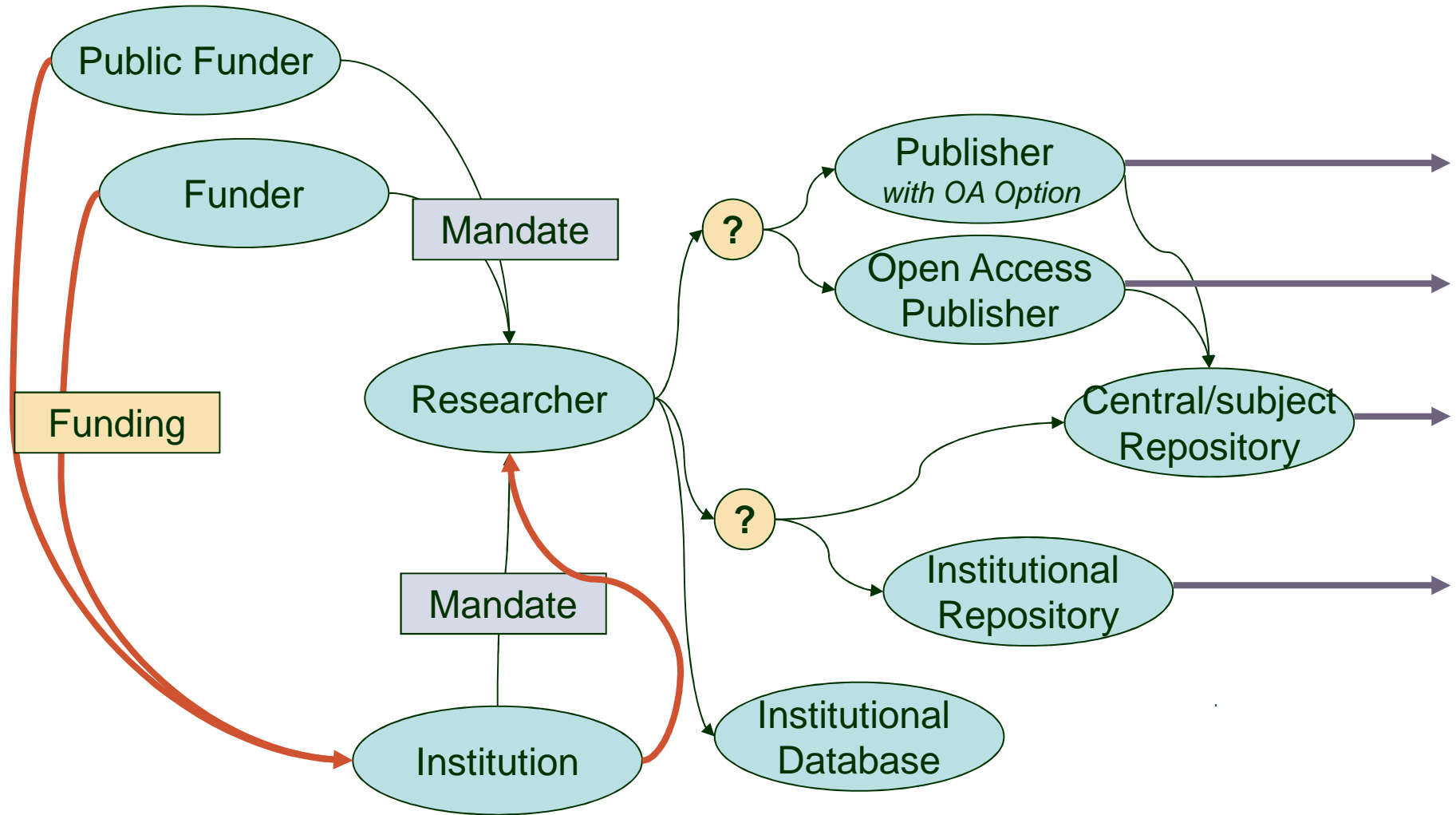
# Researchers view

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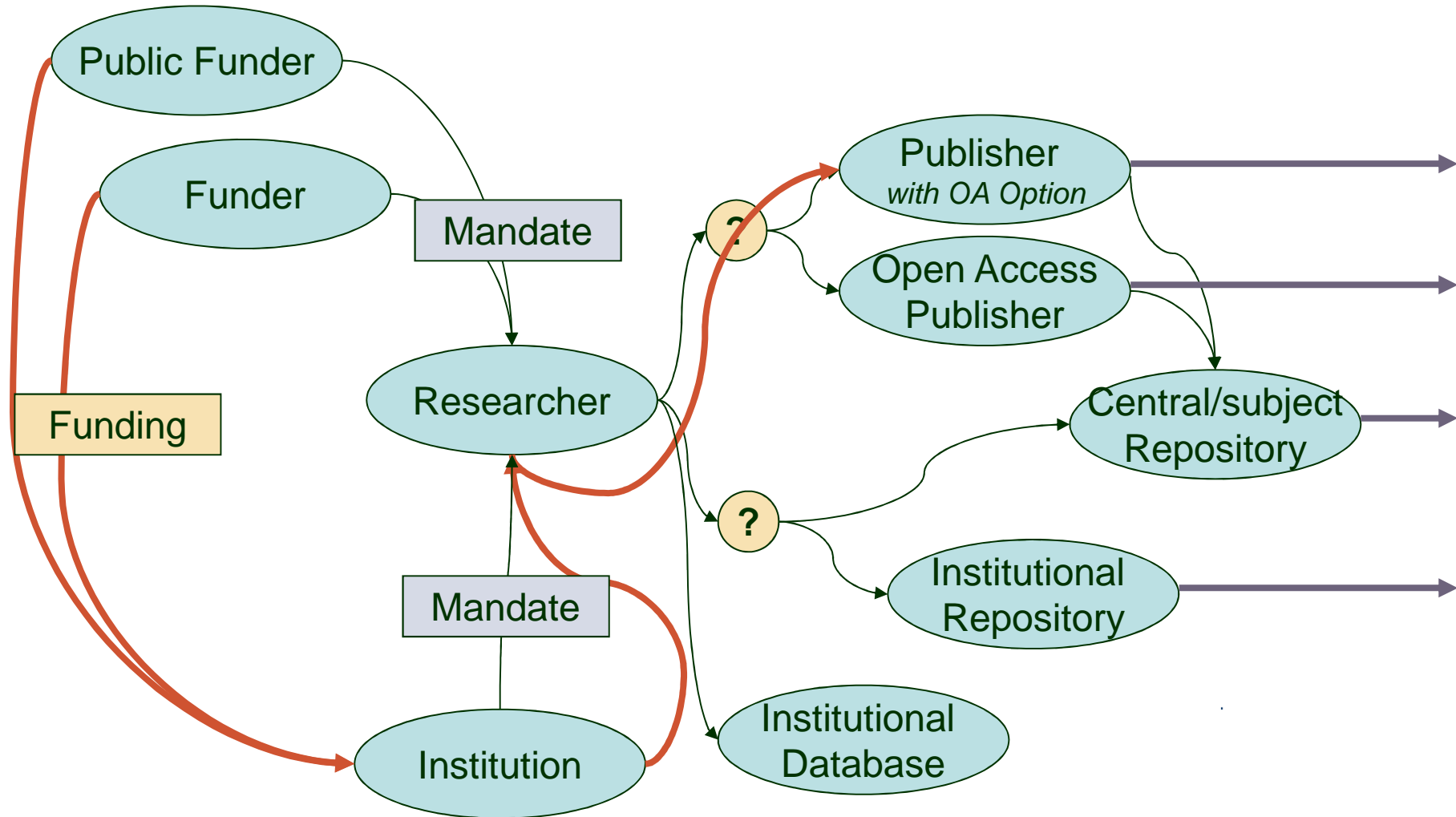
# Researchers view

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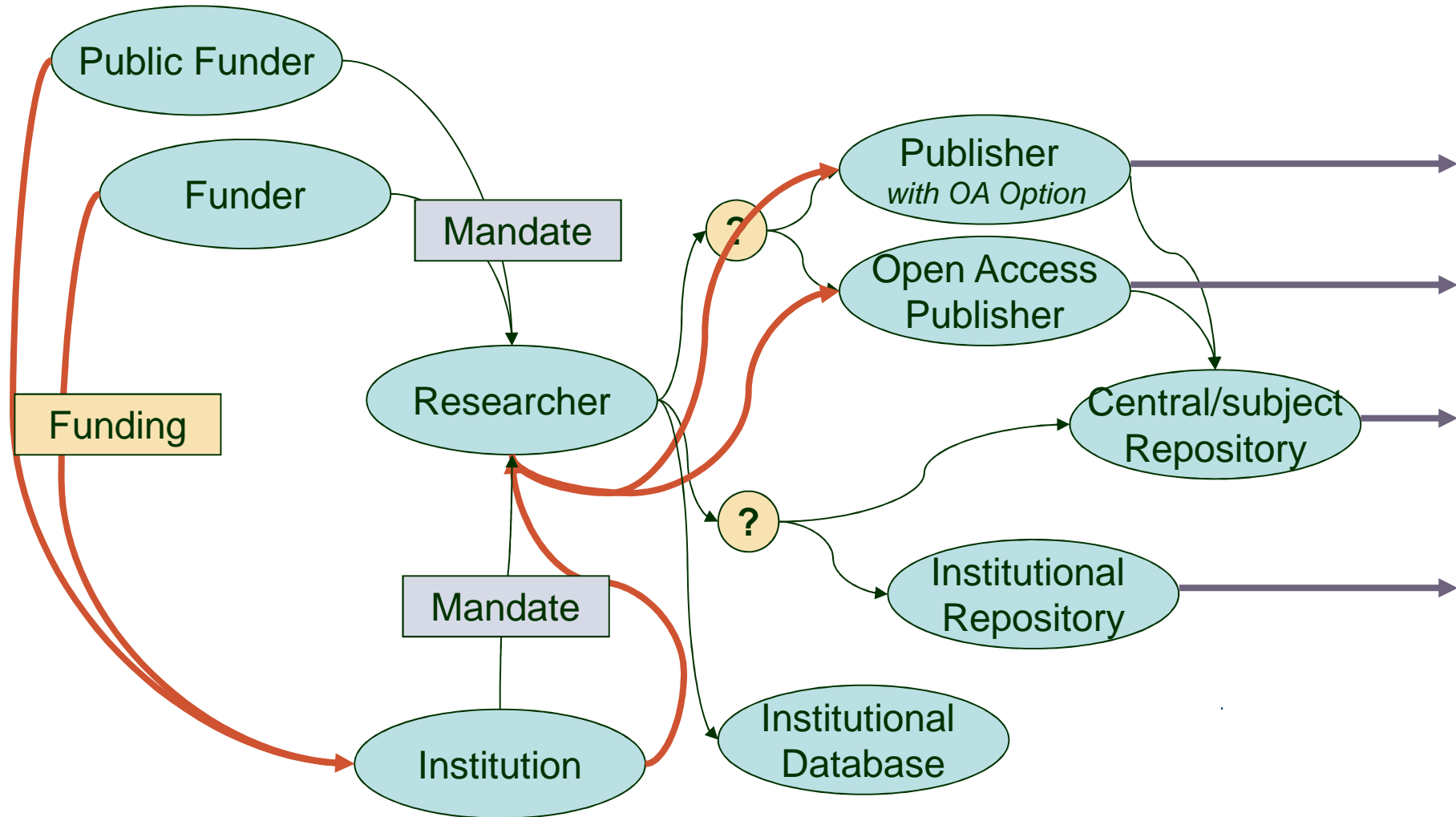
# Researchers view

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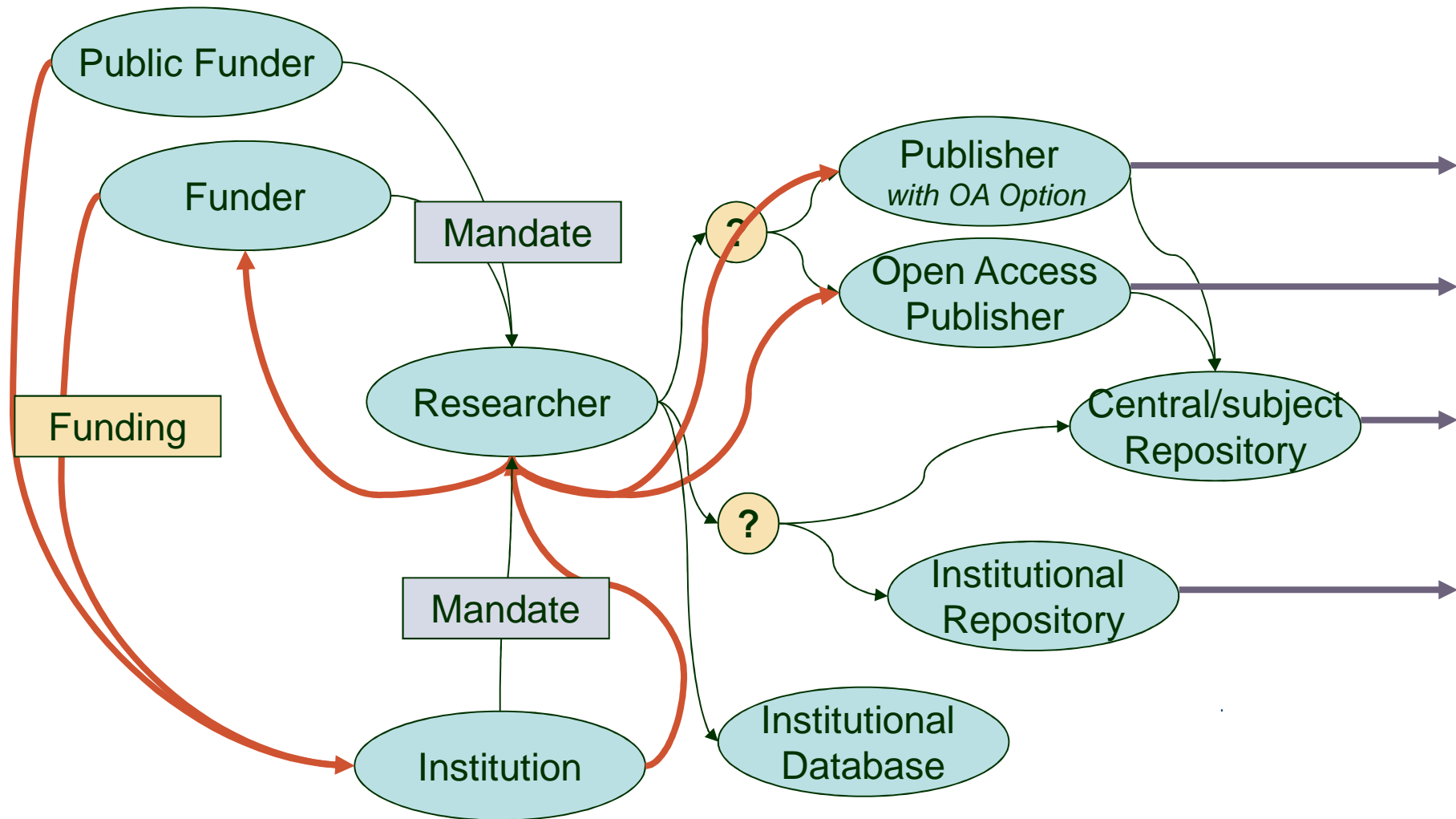
# Researchers view

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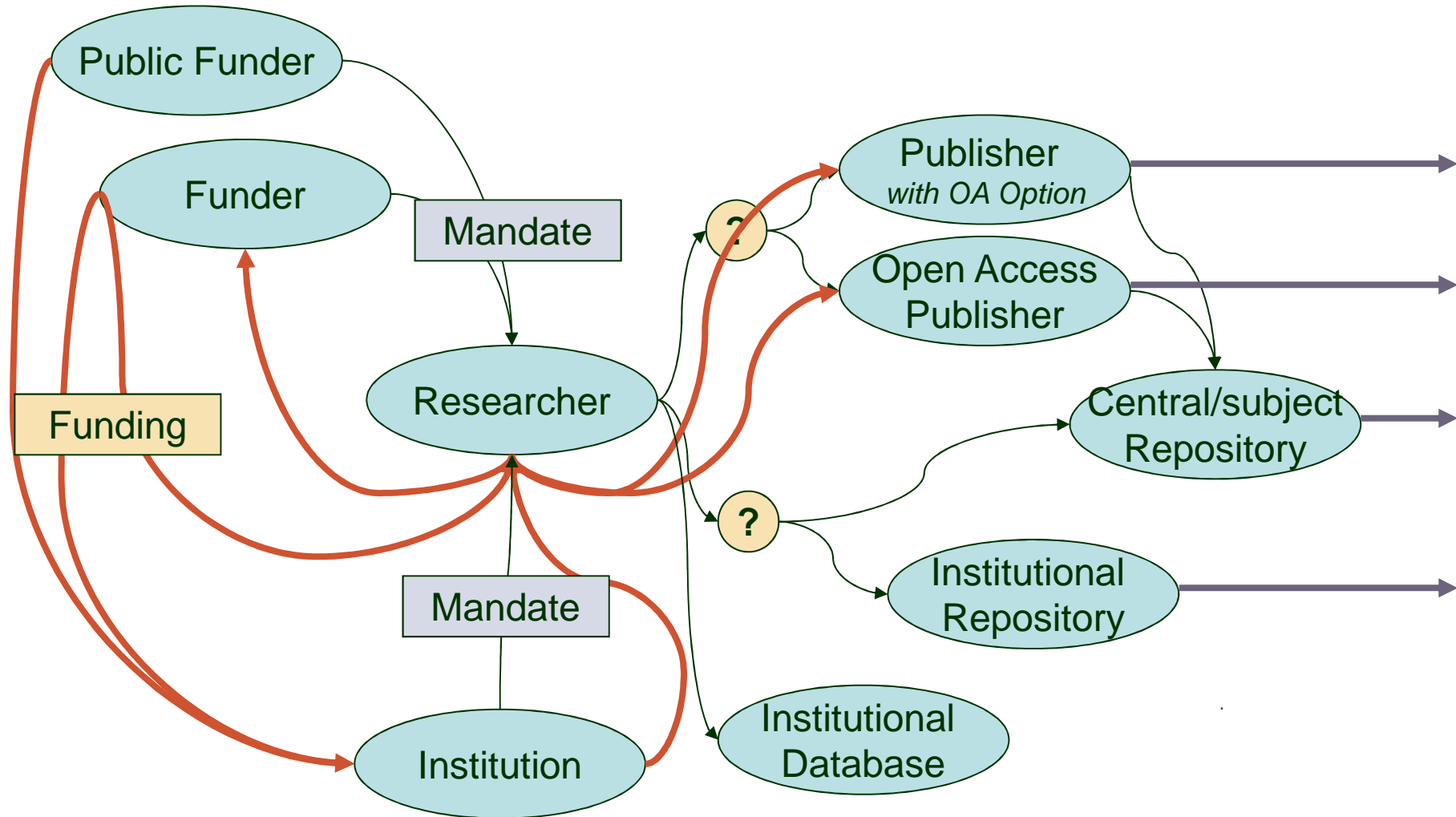
# Researchers view

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# Researchers view

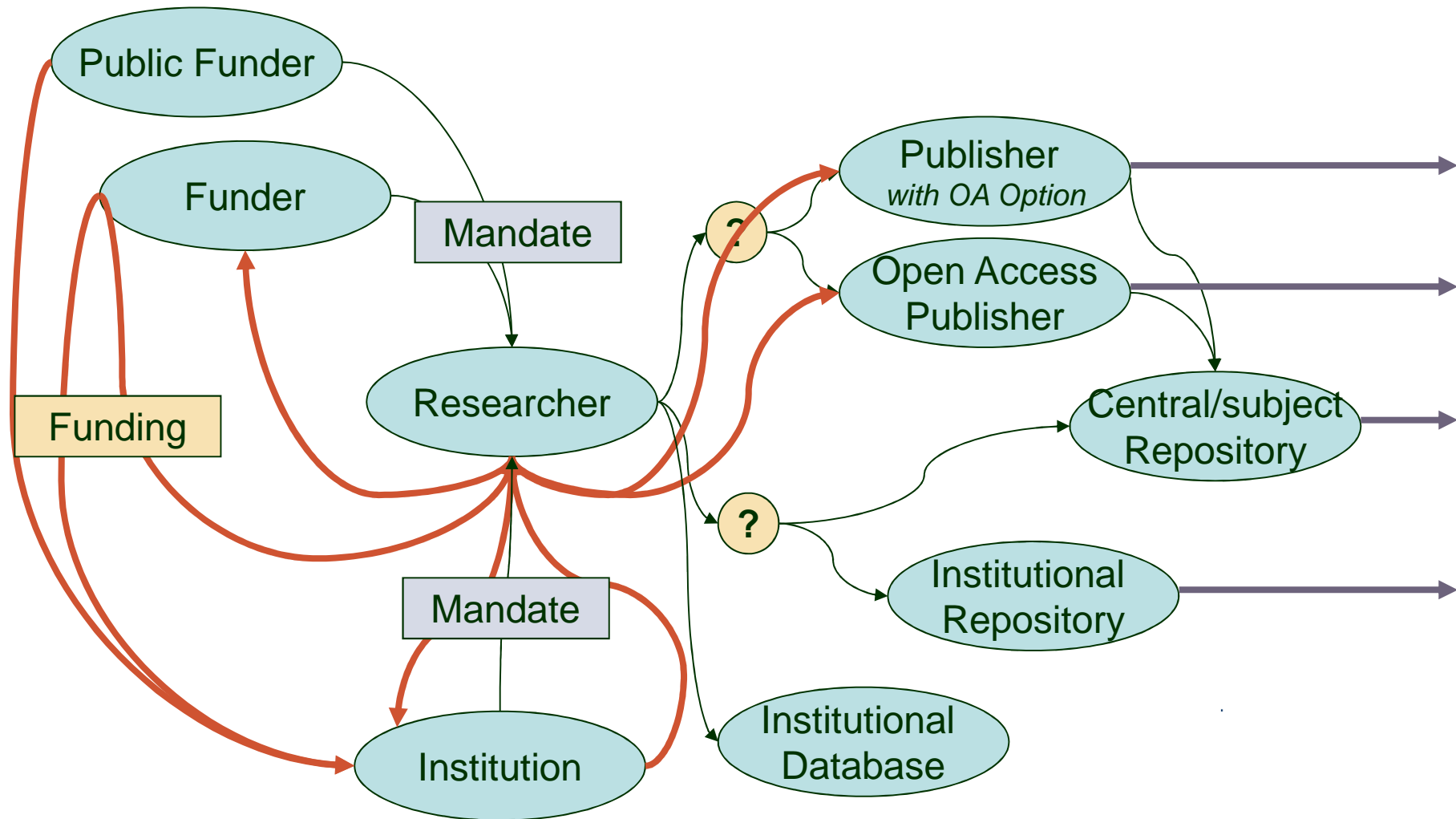
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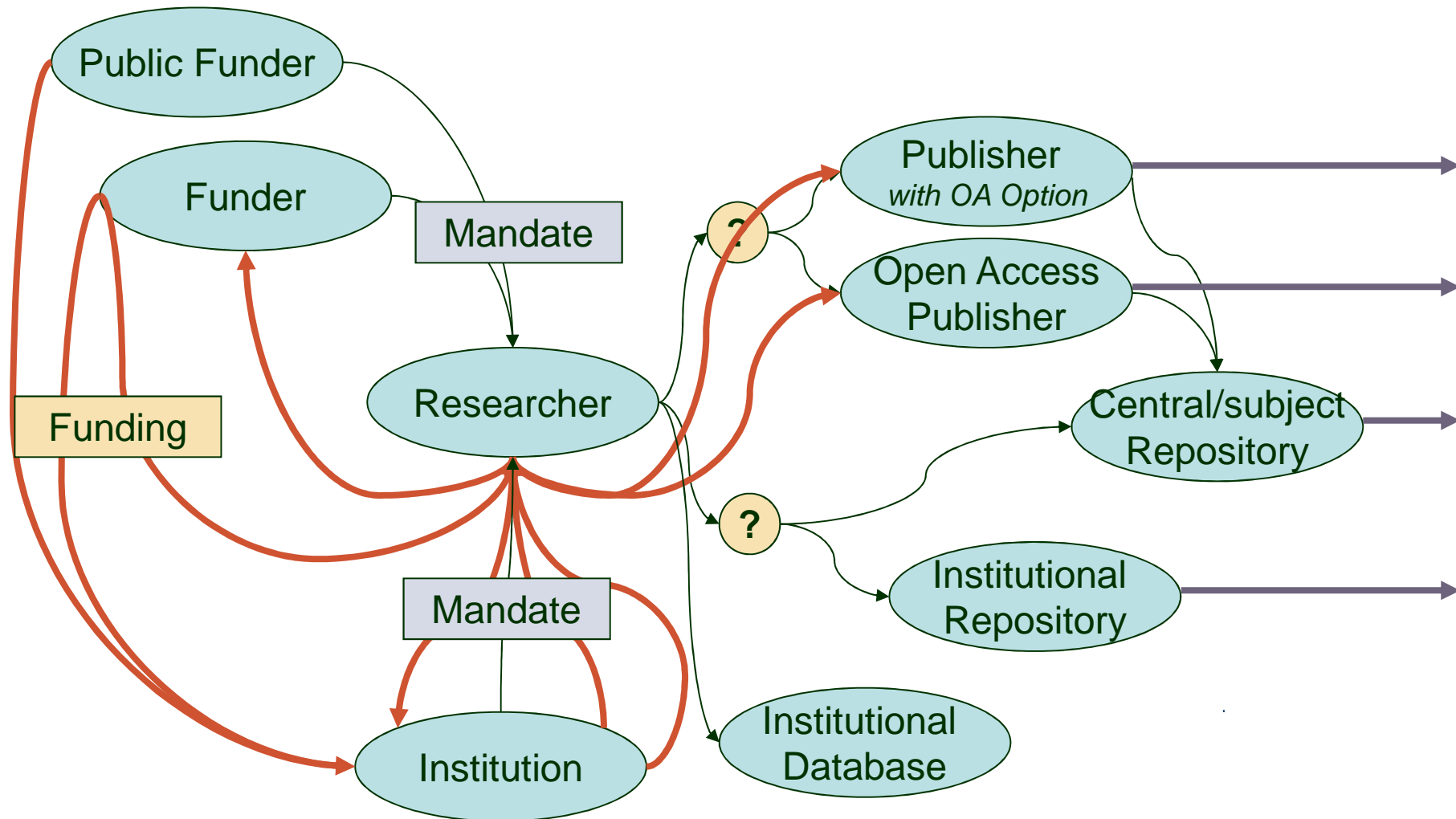


# Researchers view

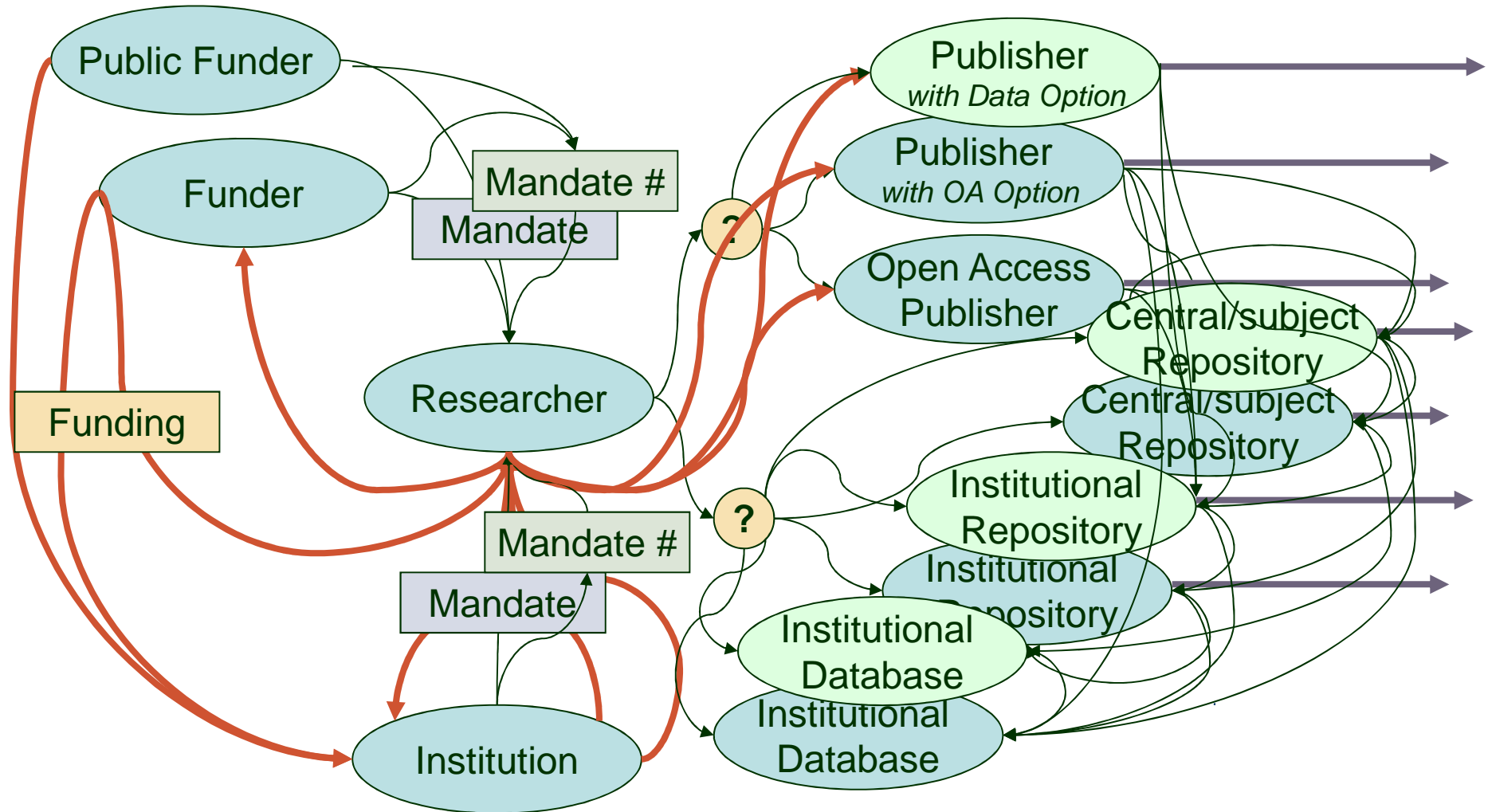
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# Researchers view . . . with publication

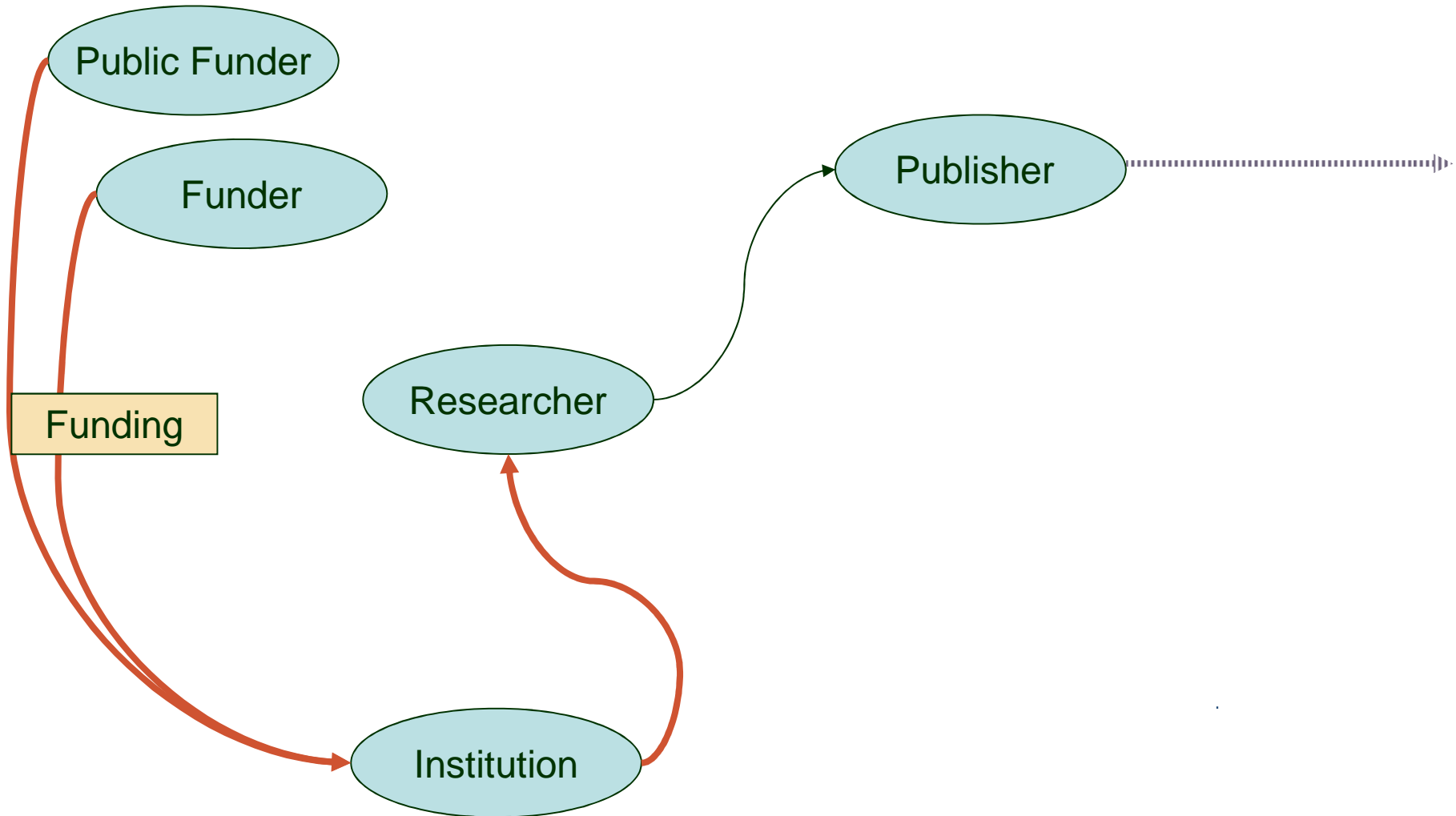


# Researchers view . . . with data

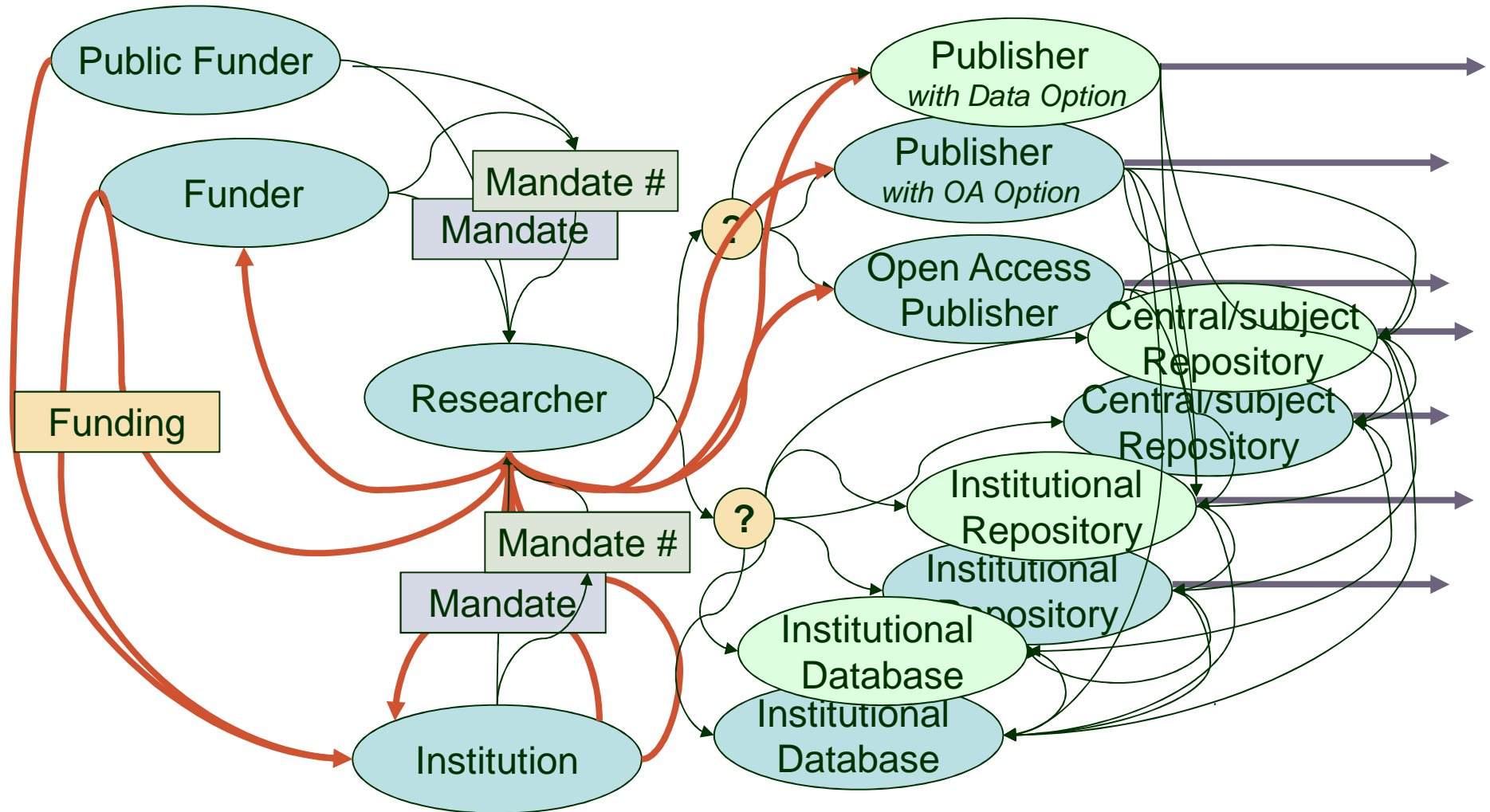


# Researchers view from the past . . .

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# Researchers view today



# What do authors want to know

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- *Mandates, RDM, repositories, open access, institutional IPR - it all has to fit into this . . .*
- What do I have to do?
  - Are there requirements for my publication route?
  - Are there requirements regarding my data?
- How can I deal with this as quickly as possible?
- Where can I get help?

# Shape of the solution

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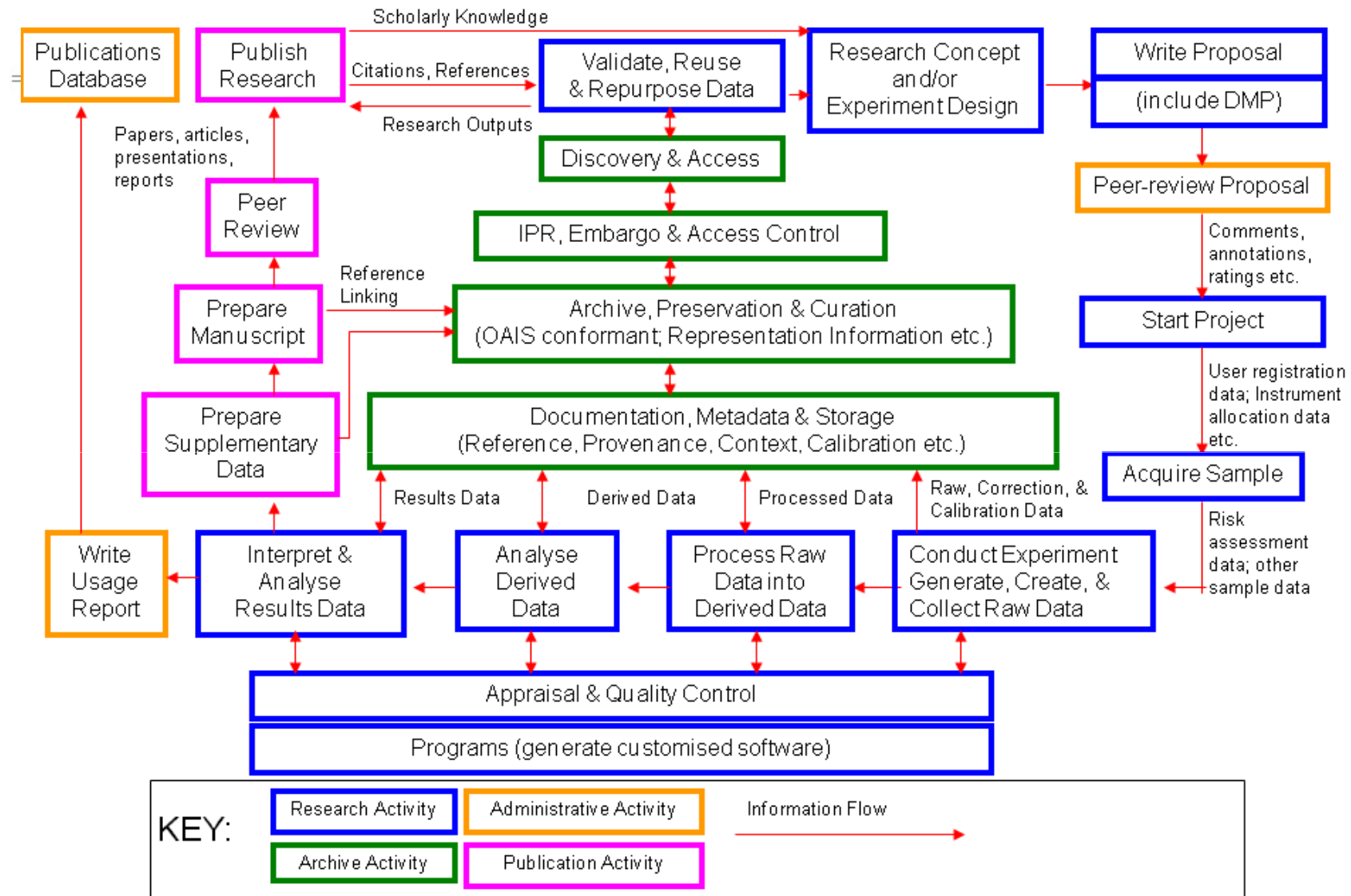
- Services for researchers to support their needs and fit within existing work-flows
- Integrated into workflows in service departments
- Institutional systems must share data
- “Owners” of these systems must collaborate
- Policies must have be aligned with institutional strategy, have purpose, support and consequences
- The system to provide consistent, authoritative information for all stakeholders at point of need
- Integrate with funders’ requirements



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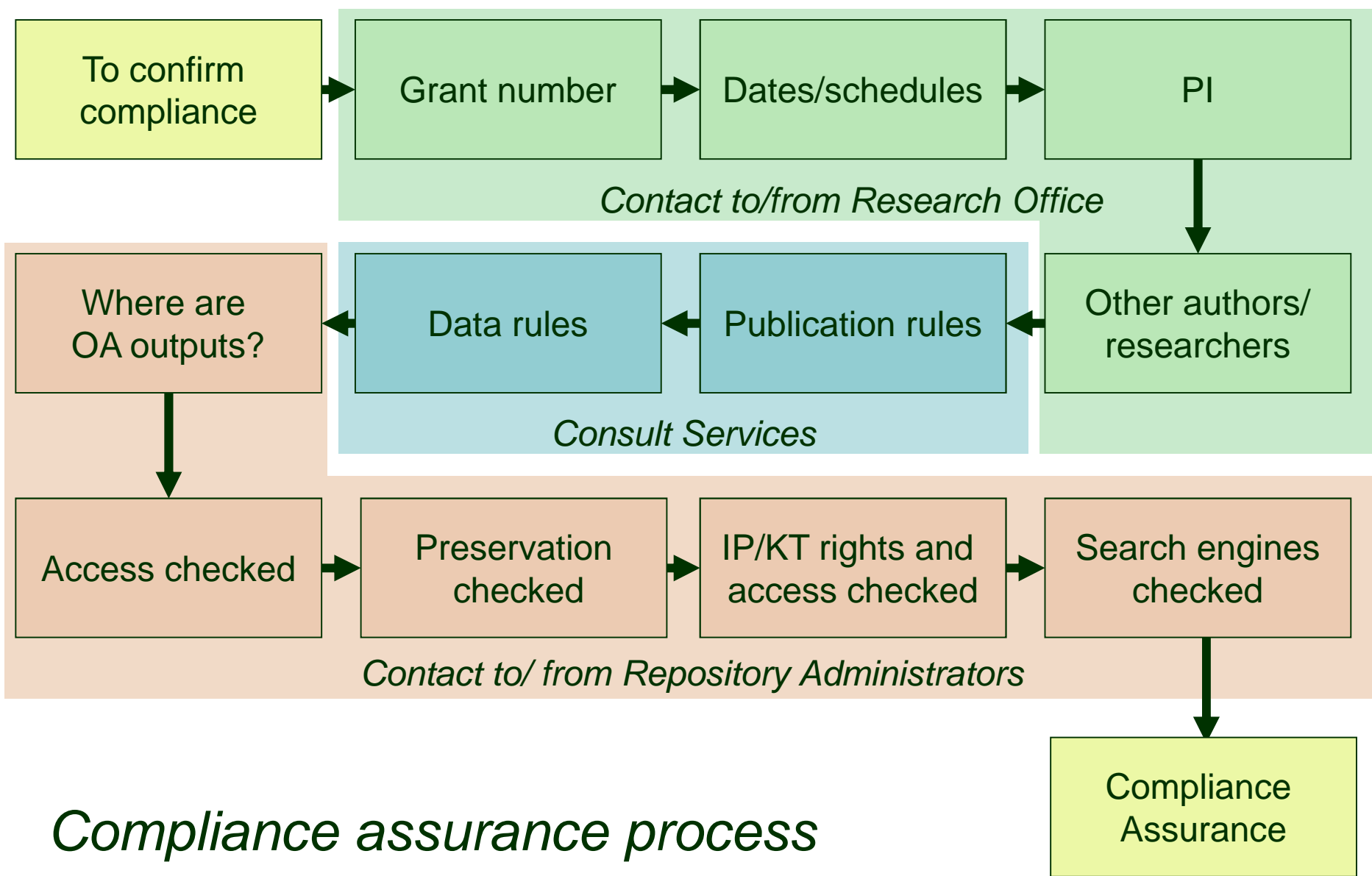
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# An Idealised Scientific Research Activity Lifecycle Model



Final Report: Infrastructure for Integration in Structural Sciences (I2S2), Manjula Patel + Project Partners, 30/06/2011  
 JISC Programme: Managing Research Data (Research Data Management Infrastructure)





*Compliance assurance process*

# Research Data Policy - parallels

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- Four different approaches . . .

# Edinburgh RDM Policy - *aspirational*

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- Research data will be managed to the highest standards throughout the research data lifecycle as part of the University's commitment to research excellence.
- **Responsibility** for research data management through a sound research data management plan during any research project or programme **lies primarily with Principal Investigators (PIs)**.
- **All new research proposals** [from date of adoption] **must include research data management plans** or protocols that explicitly address data capture, management, integrity, confidentiality, retention, sharing and publication.
- **The University will provide training, support,** advice and where appropriate guidelines and templates for the research data management and research data management plans.
- **The University will provide mechanisms and services for storage,** backup, registration, deposit and retention of research data assets in support of current and future access, during and after completion of research projects.
- **Any data** which is **retained elsewhere,** for example in an international data service or domain repository **should be registered with the University.**
- Research data management **plans must ensure that research data are available for access** and re-use where appropriate and under appropriate safeguards.
- The legitimate interests of the subjects of research data must be protected.
- Research data of future historical interest, and all research data that represent records of the University, including data that substantiate research findings, will be offered and assessed for deposit and retention in an appropriate national or international data service or domain repository, or a University repository.
- **Exclusive rights** to reuse or publish research data **should not be handed over to commercial publishers** or agents without retaining the rights to make the data openly available for re-use, unless this is a condition of funding.

# Hertfordshire

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- 10 pages
- *Extract*
  - iv should be read in conjunction with UPR IM022 and UPR IM113 and the following related regulatory documents: UPR IM014; UPR IM035; UPR IM046; UPR IM087; UPR IM098; UPR IM109; UPR IM1110; UPR CA0411 and UPR RE0212.
- Every bit of data has a Data Steward, a Data Expert and a Data User. Everything belongs to the University of Hertfordshire Higher Education Corporation.
- The Chief Information Officer is responsible: . . . for data; . . . data management policy . . . and procedures; data model; monitoring . . .



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# Northampton

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- Follows RCUK recommendations:
  - "Keep clear and accurate records of the research procedures followed and the results obtained, including interim results
  - Hold records securely in paper or electronic form
  - Make relevant primary data and research evidence accessible to others for reasonable periods after the completion of the research: data should normally be preserved and accessible for [at least] ten years"...
  - ..."Manage data according to the research funder's data policy, and all relevant legislation
  - Wherever possible, deposit data permanently within a national collection."  
(Research Councils UK, 2009, p.5)
- Principal Investigator will produce a DMP . . . described by DMP Online . . . will be responsible for ensuring that the actions outlined in the DMP are carried out.



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# Oxford

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# Oxford #2

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- Why manage your data?
- Data Management Planning
- Data Backup and Security
- Data Sharing and Archive
- Training, Advice & Support
- University of Oxford commitment to research data management
- Data management planning checklist
- Funder policies
- Training, advice & support



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# Oxford #3

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- 101 Flyer - 'Managing your research data at The University of Oxford'
- data management planning checklist
- funder policy | data management plans
- ethical and legal considerations
- organisation and documentation
- data backup
- data security
- to share or not to share?
- deposit your data
- Training, advice and support



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# ADMIRe approach

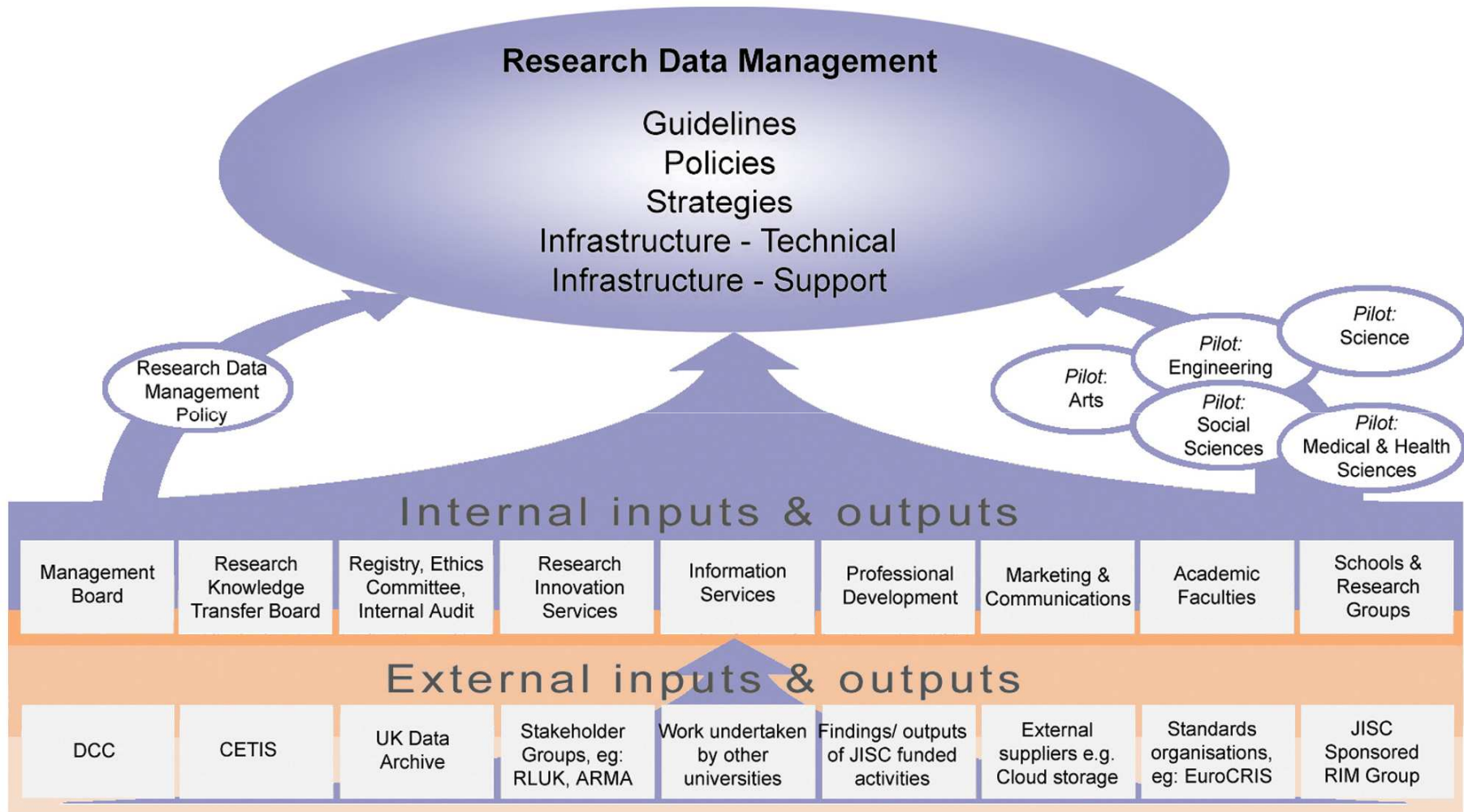
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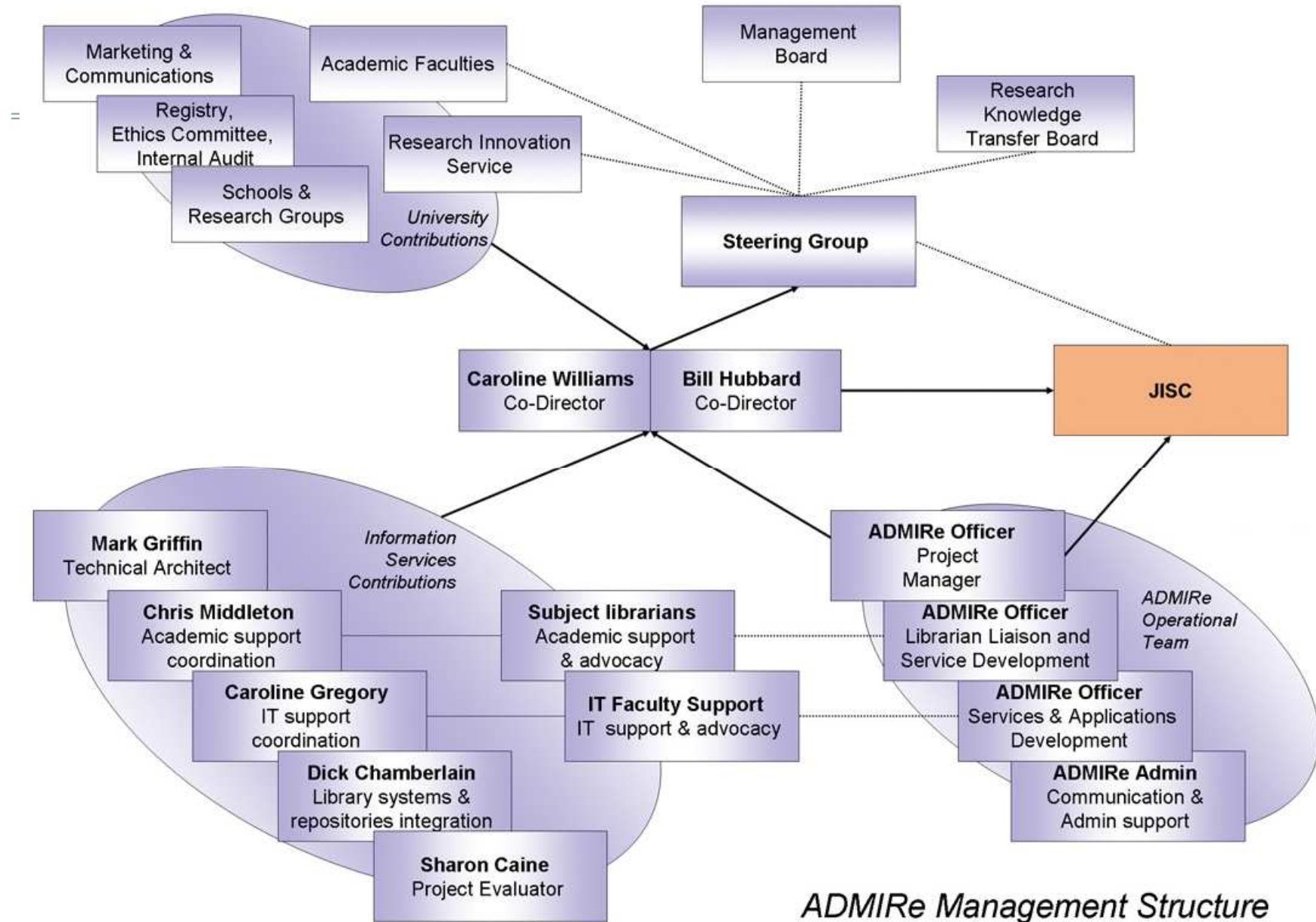
- High level policy buy-in
- Analyse workflows
- Build/ bring together infrastructure
- Build and embed support services
- Steering Group members from academics and key services
- Pilots in all Faculties
- Involvement across Information Services



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*ADMIRe Management Structure*

# Status

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- High level and cross-IS support and involvement
- Research committee support
- High-level Steering Committee
- Cross-faculty interest for pilots
- Advertised for staff
- Regular internal meetings
- High level Research Data Management policy
- Progress with Data Security
- Blog - <http://admire.jiscinvolve.org/wp/>



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# Questions?

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