

UoM Research Lifecycle Project

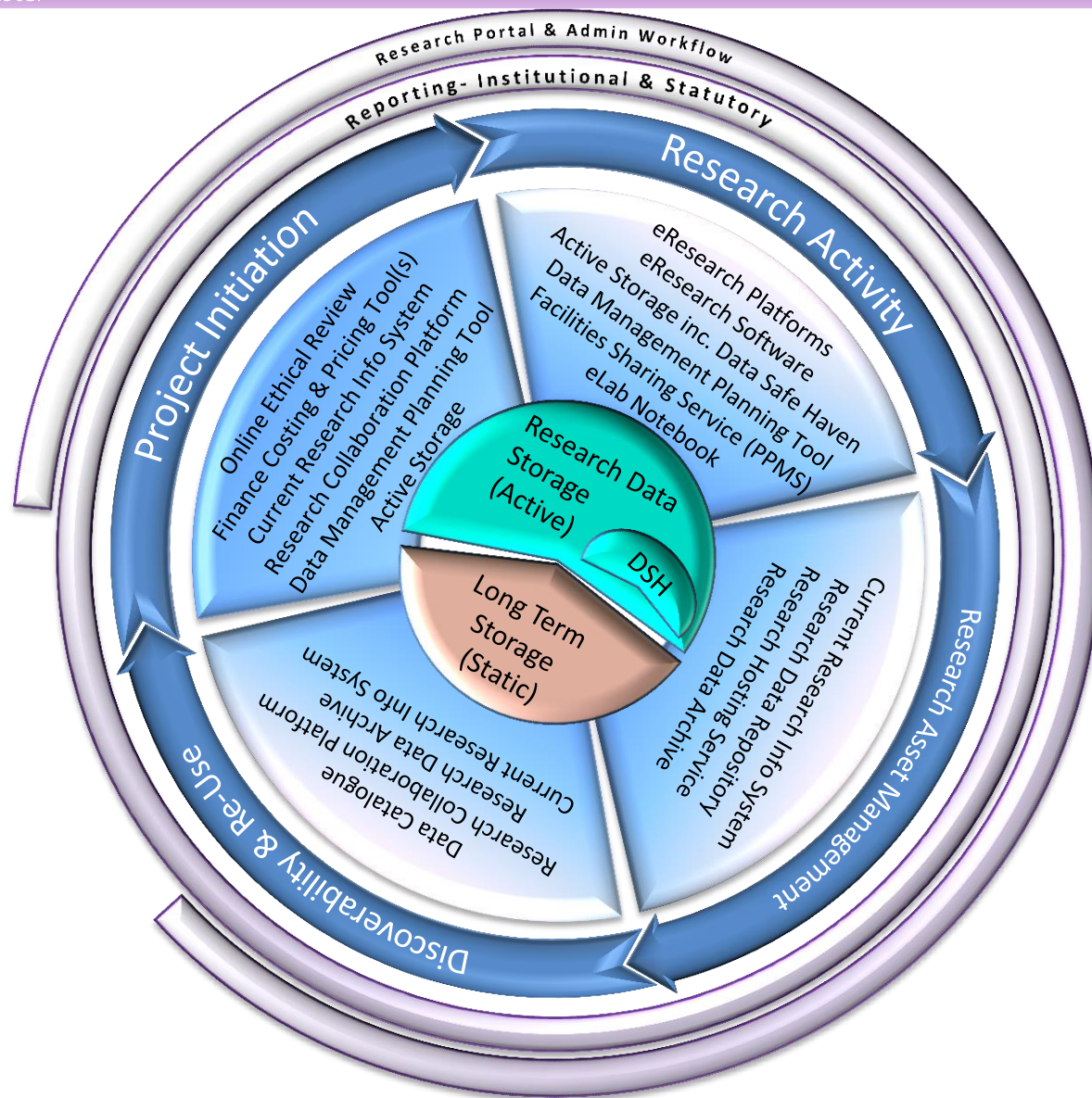
Comms pack 29/11/2017

The Research Lifecycle programme has being proposed to achieve the following high level outcomes:

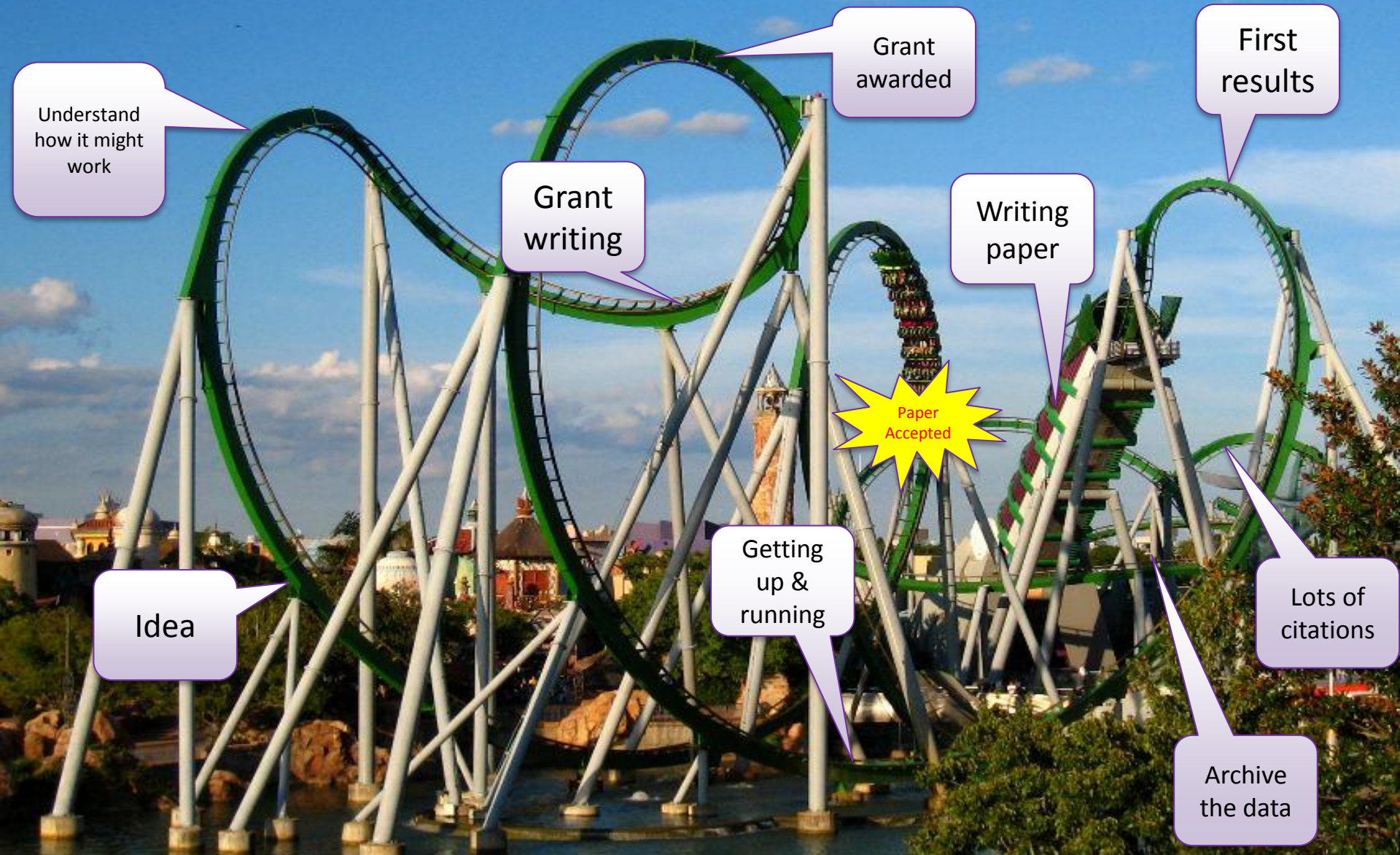
1. Researchers will have research capabilities and support services to achieve the research goals set out in the 2020 Vision
2. Researchers will have the capabilities to achieve demonstrable compliance with UoM or funding body and regulatory authorities data management publishing policies
3. All of these capabilities will be brought together **in a single dashboard**
4. That the capabilities are integrated with the university's management reporting capability -> timely reporting
5. Joined up monitoring and planning processes -> proactive capacity management
6. Cost of delivering research centric services better understood -> reclaiming of these expenditures, via grant applications, is at appropriate levels

CITP have earmarked £15M over 5 years for these improvements to Research capability

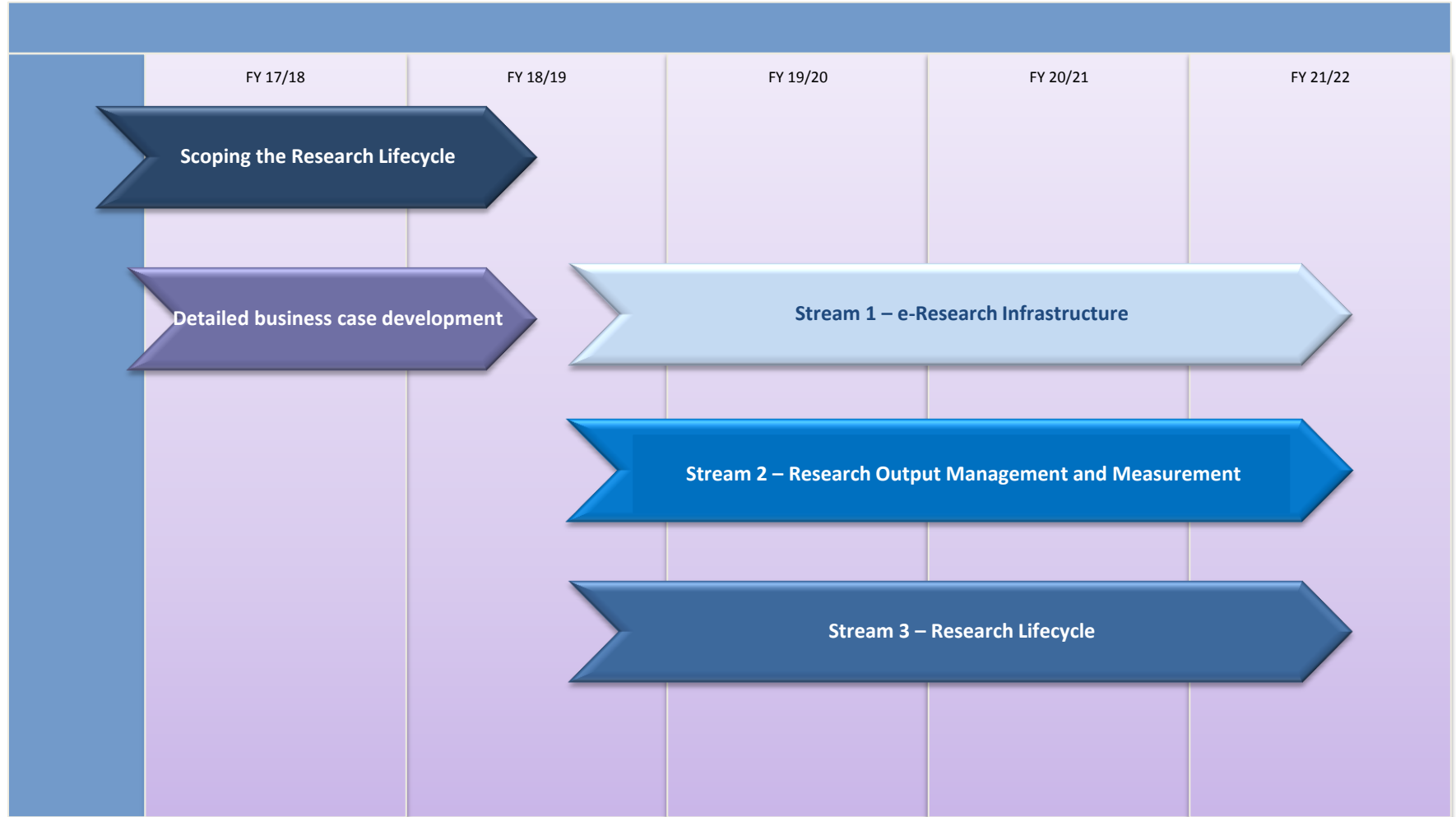
Overview



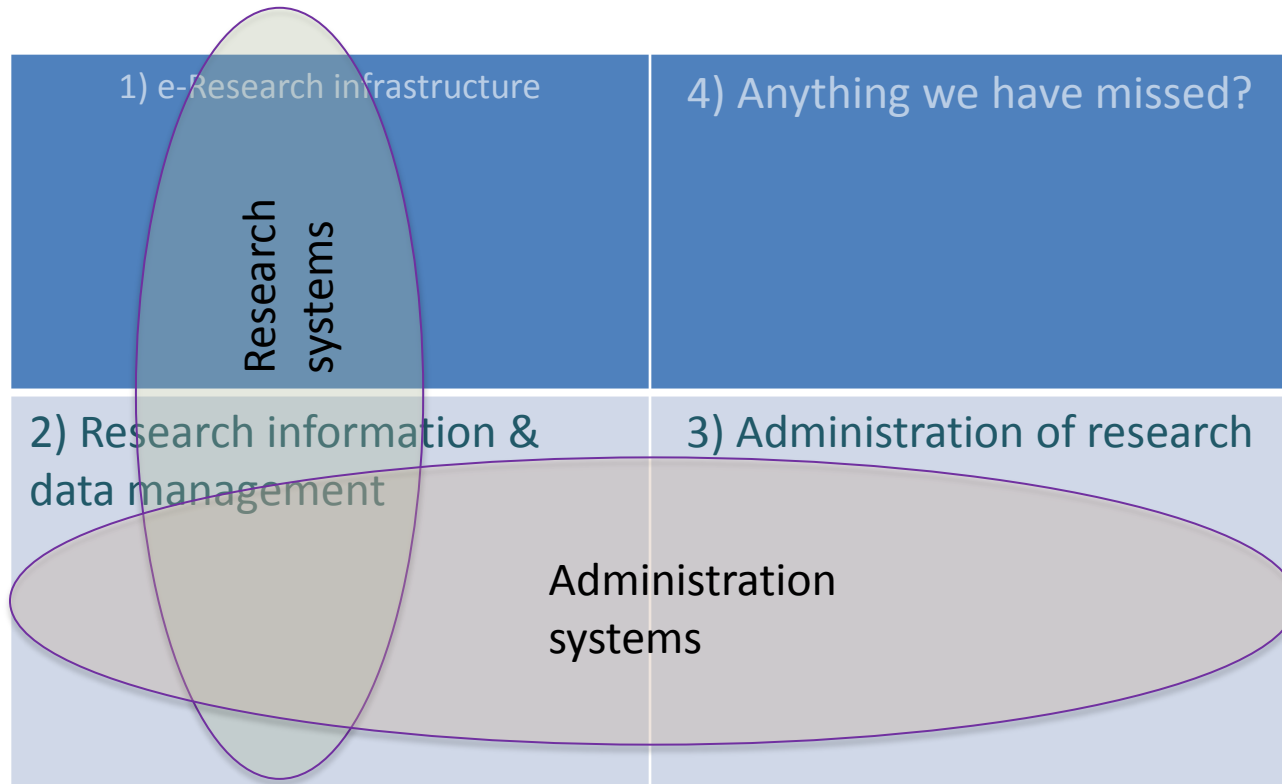
Research journey



Research Lifecycle Project – Five year plan



Segmentation of scoping phase

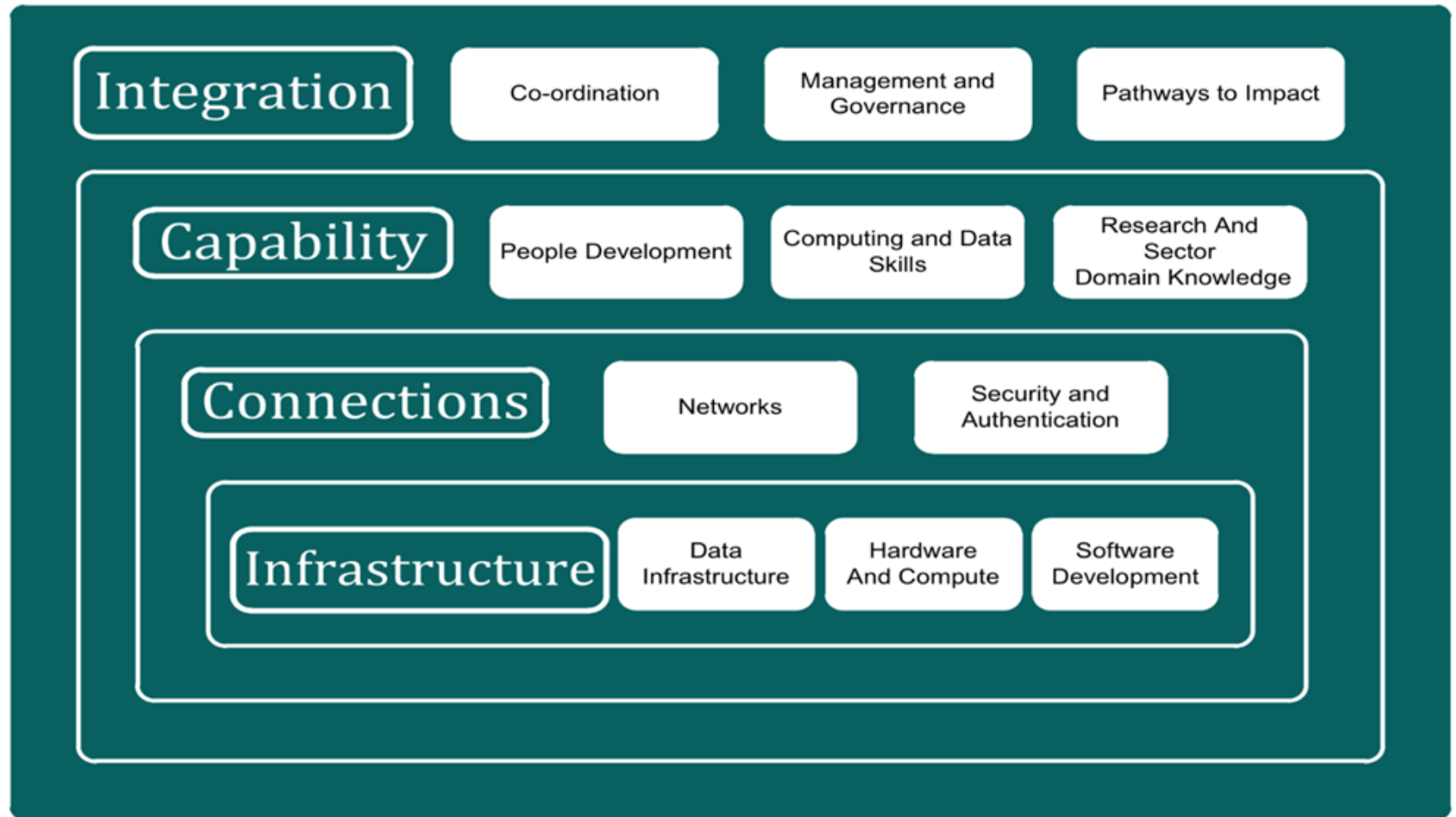


Options Analysis

The RCUK Definition of e-Research Infrastructure:

...a combination and interworking of digitally-based technology. . .

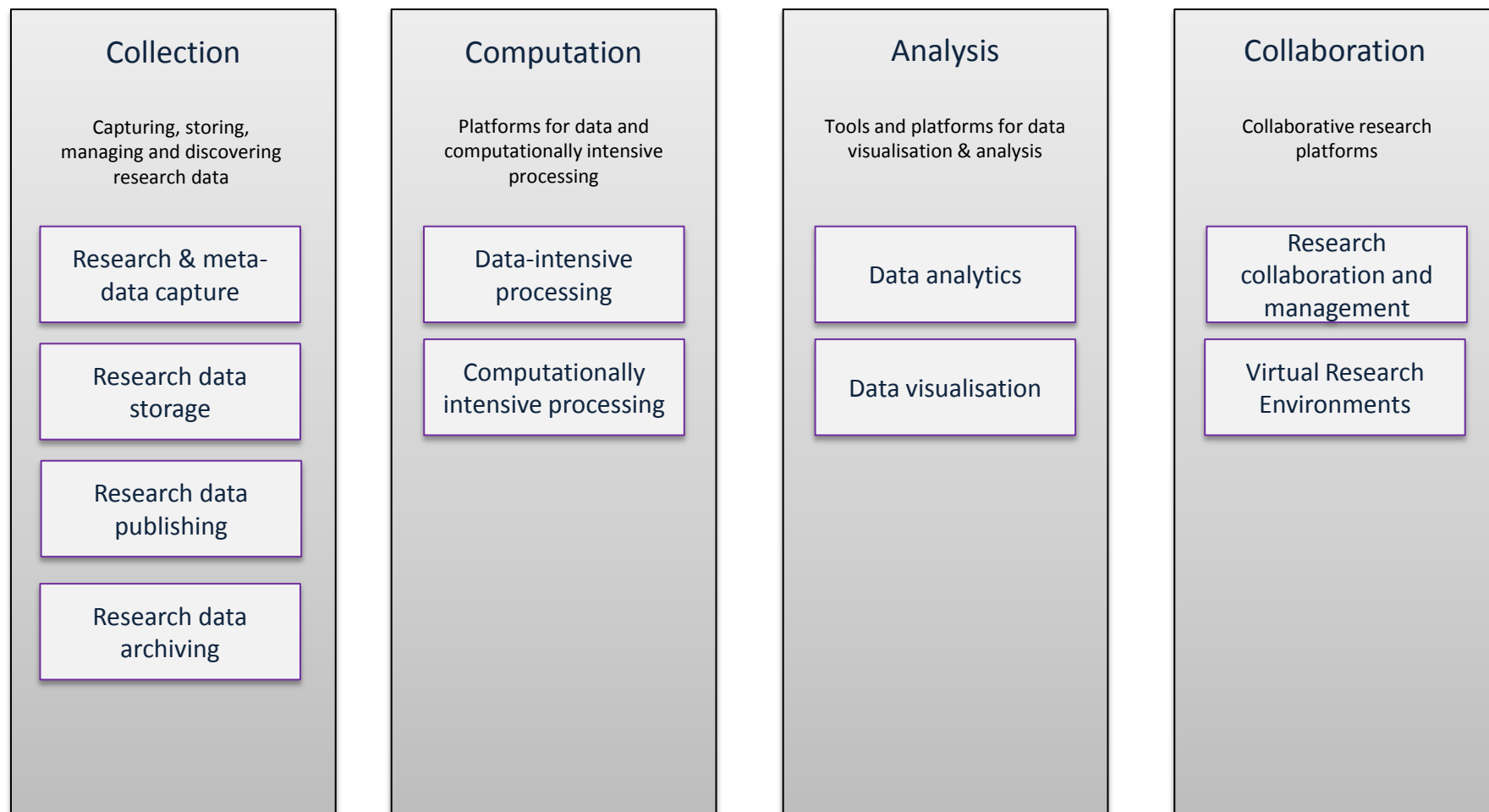
- **hardware and software;**
- **resources:** data, services, digital libraries;
- **communications:** protocols, access rights and networks;
- and the **people and organisational structures** needed to support;
- support *modern, internationally leading collaborative research;*
- **research domains:** . . .arts and humanities, or the sciences.



EPSRC E-Infrastructure road map

e-Research platforms

This diagram shows the capability view of the eResearch platform domain.



Stream 1 requirement

- 5 year current and future demand
- 5 year strategic roadmap
- A planning/prediction framework for future needs
- Options for investment

Stream 2 content - Research Data Life Cycle

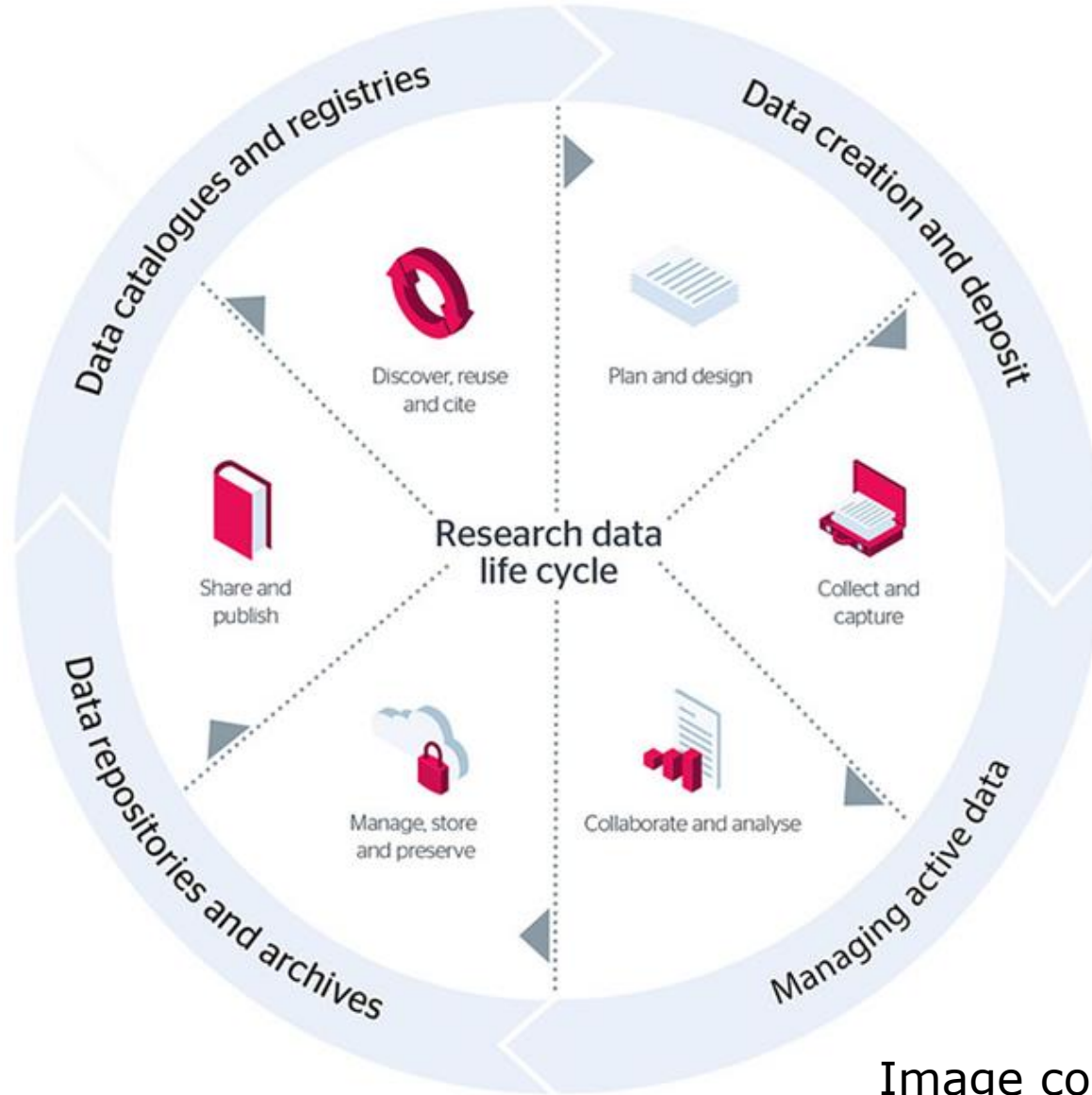


Image courtesy of @Jisc

- We expect the winners of this tender to work with, academics, researchers and academic related and professional staff especially in the Library and other professional support stakeholders, to cover the four parts of the Research Data Life Cycle:
 - Data creation and deposit
 - Management of active data
 - Data repositories and archives
 - Data catalogues and registries
- Whilst paying particular attention to the publishing of research data, how it is linked to final research outputs and how we measure the impact it has.

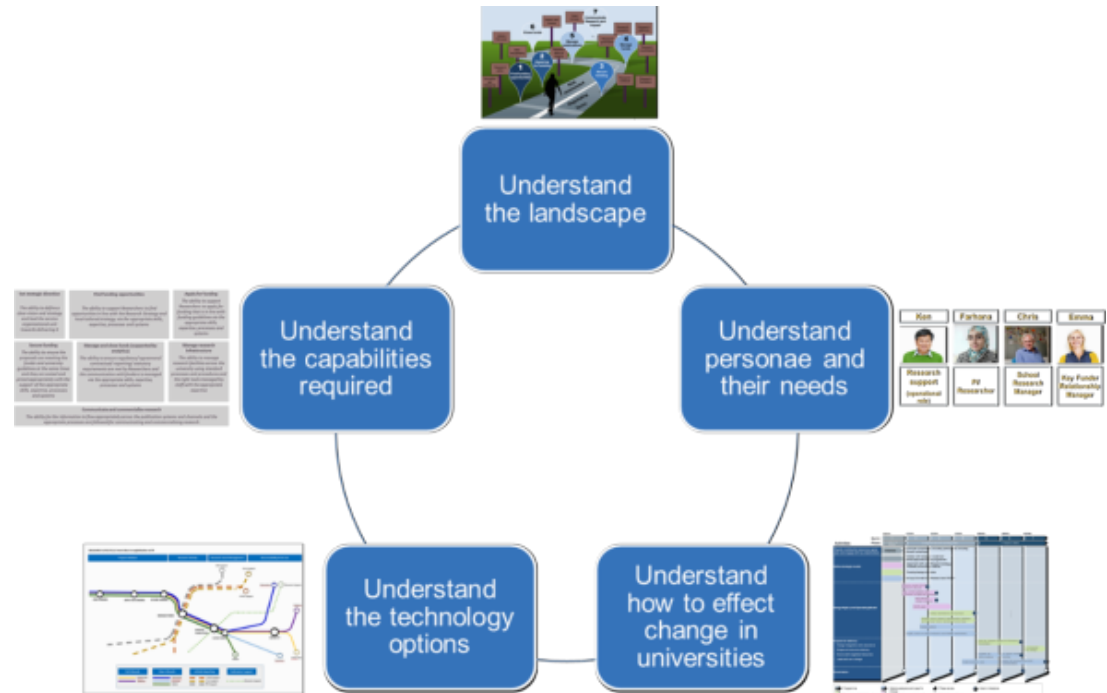
- 5 year current and future demand
- 5 year strategic roadmap
- A user road map to enable users to navigate the choices and options within the RDM ecosystem
- A framework that supports the publishing of research data and links to final research outputs.
- A planning/prediction framework for future needs
- Options for investment

Administration of research activities is critical for the *Manchester 2020* strategy

We will look across the Research Life Cycle to:

- Define the processes
- Map the Research Life Cycle User journey
- Build an options model to assess the trade-offs between propositions
- Understand any systems change required

The approach is based on using a deep understanding of the Manchester Research Life Cycle to enable sound decision-making on the design options



Many organisations within the University contribute to supporting research (e.g. RBESS; Finance; HR; Library; Governance; IT services; Ethics) the project needs to take a holistic perspective across the whole university

Stream 3 requirement

1. To describe and validate the 'As-Is' position through data gathering from prior works, existing staff, researchers and academics
2. Mapping the Research Life Cycle and identifying all key business processes
3. Identifying and gaining agreement on business processes that will form the scope of the Research Life Cycle Project
4. Understand the current and aspirational journeys through the Research Life Cycle and validate the outputs generated with stakeholders
5. Ensure a level of standardisation through simplifying the existing disparate set of processes and providing a common thread with any exceptions being branches off the core processes
6. Map current systems (electronic and paper), in flight and planned initiatives onto the process/journey maps and identify potential gaps and change required
7. Prepare a delivery phase definition, including identifying investment costs; identifying benefits; identifying risks and issues; an assessment of impact, priority and order of execution
8. To input to an options analysis exercise

AIM: To conduct an exercise with a wide range of research staff to understand current concerns and potential benefits from the areas that the research lifecycle might impact on (e.g. tools for the planning and execution of research, e-Research infrastructure and data management).

- No unknown requirements emerged
- Lack of knowledge about facilities and services widespread
- Grant preparation a big issue
- Hardware procurement issues -> ITS

1. Stream 4 complete
2. Stream 3 awarded to PA consulting – in contract negotiation
3. Stream 1 & 2 retendered as original bids were not suitable for our needs
4. Preparation for mobilisation commencing

Scoping Project Timeline

