



Institutional RDM strategy and general update

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Welcome to Cranfield

4,430 postgraduate, 760 doctoral students

400 research active staff

- **Aerospace**
- **Defence and Security**
- **Energy and Power**
- **Environment and Agrifood**
- **Leadership and Management**
- **Manufacturing**
- **Transport Systems**
- **Water**

[Management of Research Data Policy \(pdf\)](#) [also [OA Policy \(pdf\)](#)]

- Researchers **should** ensure that provision is made in proposals for RDM.
- A data management plan **should** be written at the time a proposal is submitted or in the early stages of the research.
- Published results **should** always include a statement on how and on what terms supporting data may be accessed.
- Researchers **are responsible for** ensuring the data is accessible for 10 years after project completion, or longer if specified by the funder.
- The University **will support this** with a guidance service and a data repository (Cranfield Online Research Data or CORD).

Corporate goals: the four strategic priorities

1. To be recognised for outstanding transformational research that meets the needs of business, government and wider society.
2. To provide a premier learning experience that enhances the capabilities of individuals and their organisations.
3. To grow an efficient, effective and sustainable enterprise.
4. To be renowned for our impact and influence – regionally, nationally and internationally.

Research Data Management Strategy (pdf): to support the corporate goals and the RCUK Concordat

1. By enhancing our research reputation among peers within the UK and internationally, with the adherence to best or sector-leading RDM practice;
2. By providing researchers with training giving them the knowledge and skills needed for their career;
3. By better planning our services so that cost-efficient RDM processes are in place, enabling sharing and the exploitation of valuable data;
4. By increasing our impact and influence by promoting Cranfield's unique offerings, and with the release of open data to increase staff citations.

Strategic themes and aims

The research data management strategy can be structured into five themes, with aims given for each strategic theme, which can then be used to guide our operational planning.⁵

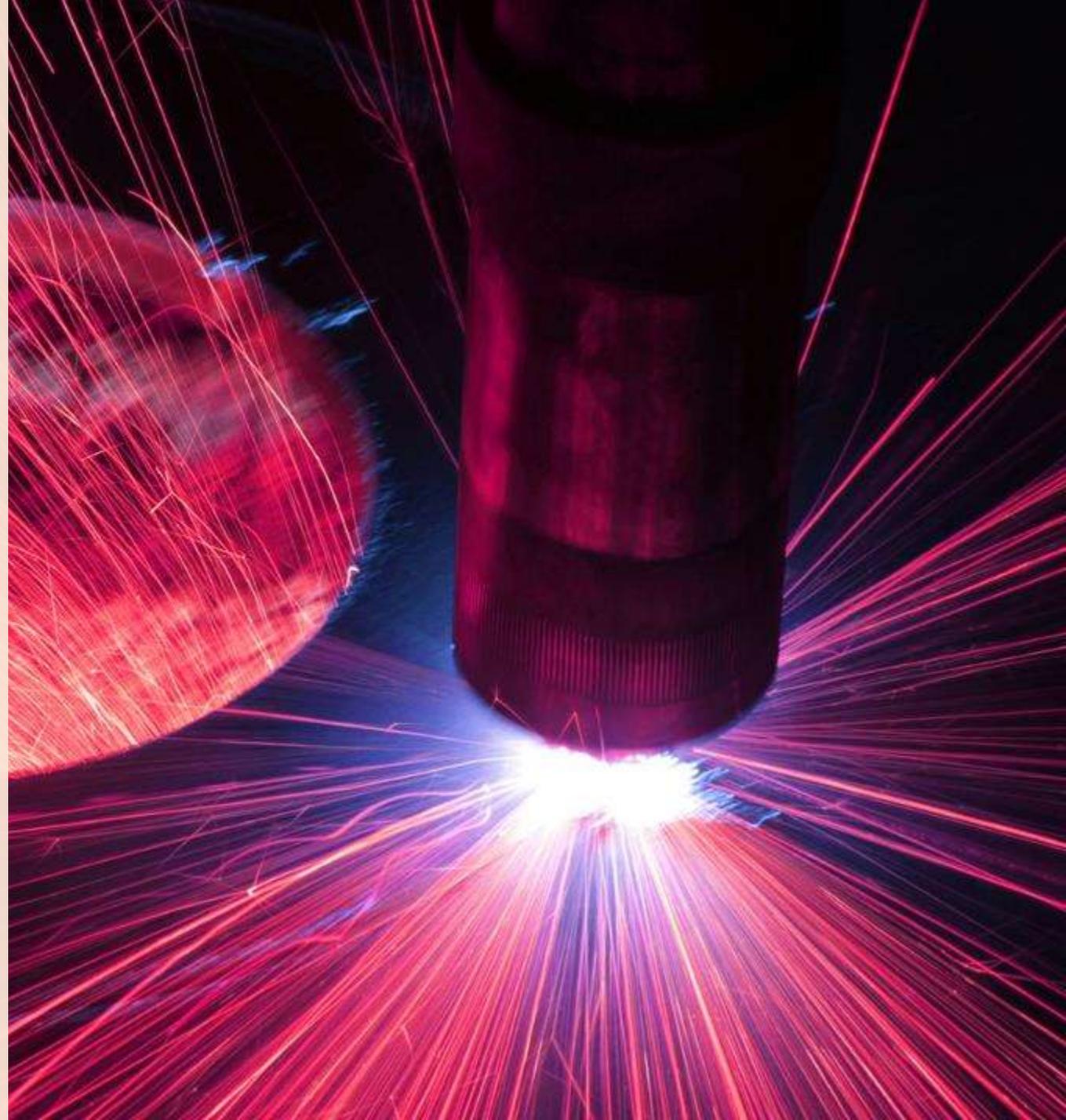
Excellence and impact	Integrity and professionalism	Effective asset protection	Effective infrastructure	Skills and knowledge
Supports: 4, i of 415i; Concordat principle 1.	Supports: 4 of 415i; Concordat principles 5, 6, 8.	Supports: 5, i of 415i; Concordat principle 2.	Supports: 4, 5, i of 415i; Concordat principles 3, 4, 7.	Supports: 4, 1 of 415i; Concordat principle 9.
<ul style="list-style-type: none"> • More research data is discoverable and reusable, and data reuse is increased, thus improving measures of research quality and impact. • Systems and policies in place to make data FAIR (findable, accessible, interoperable, reusable). 	<ul style="list-style-type: none"> • Managing data well is acknowledged as a key part of research integrity and professional practice. • Compliance with funders and other external codes of conduct is improved. • Research data management services are increasingly integrated with other services and units. 	<ul style="list-style-type: none"> • The research data service caters for the value of research partnerships • An assurance framework across the entire research lifecycle through partnerships and to assure security of sensitive data. 	<ul style="list-style-type: none"> • Improved systems and facilities to enable 	<ul style="list-style-type: none"> • Researchers are given the knowledge and skills to manage data effectively, to ensure increased impact and influence on society. • Training opportunities meet the needs of researchers from different disciplines and at different levels from postgraduate onwards.

Integrity and professionalism

Supports: 4 of 415i;
Concordat principles 5, 6, 8.

1: Excellence and impact

1. Increase researcher engagement with RDM and CORD. [See: [engagement presentation](#) and [Megan's collection.](#)]
2. Develop systems and policies to make data more FAIR. [Year 3]
3. Utilise progress reviews for publicity/advocacy of the RDM service and CORD.
 - Six-monthly to each school, annual to Research Committee and published online.



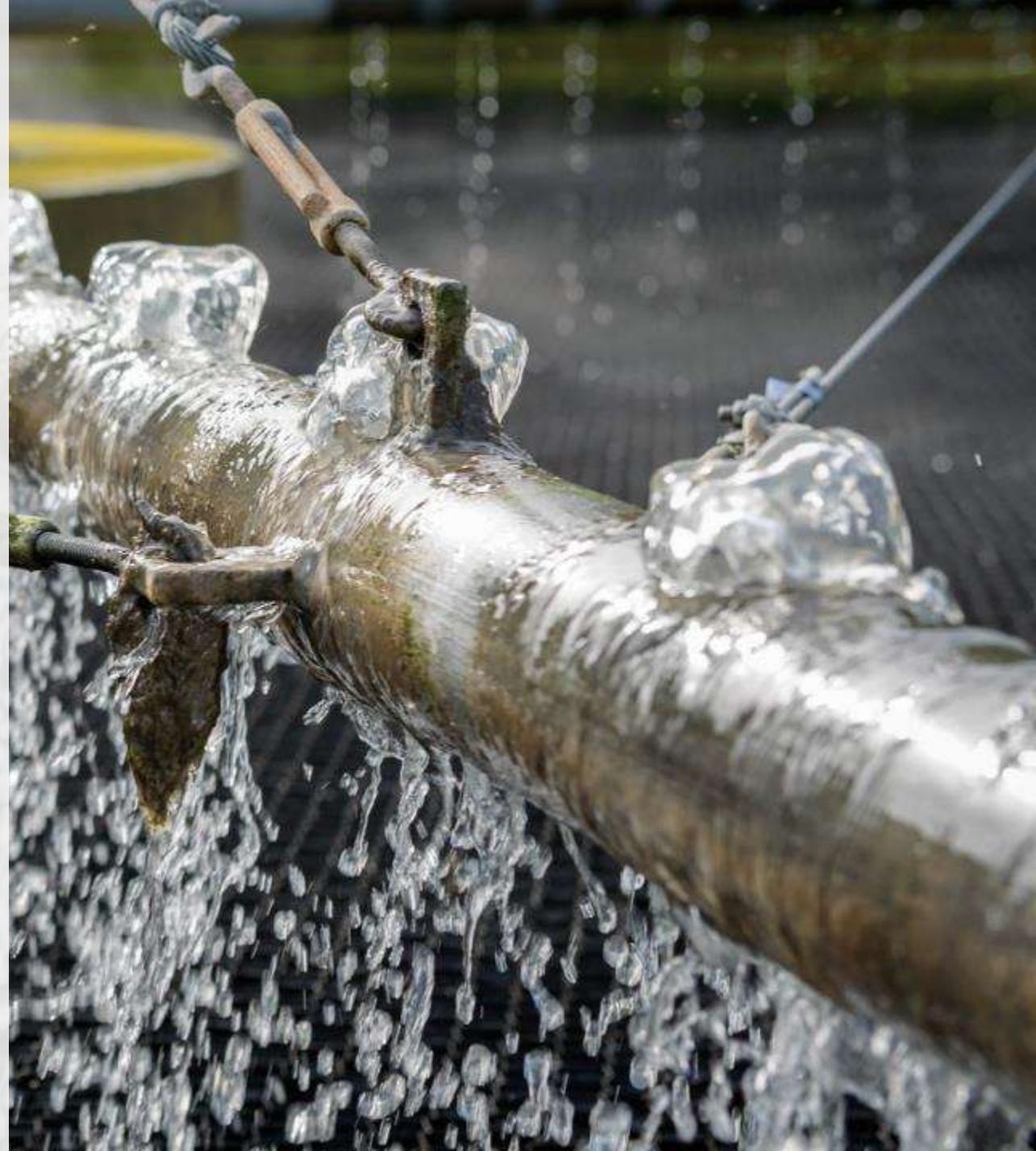
2: Integrity and professionalism

1. Embed DMPs in each project lifecycle.
 - DMPonline; widen mandate [2]; automate? [3].
2. Ensure data in publications is accessible.
 - Comms e.g. APC; help when Co-I.
3. Ensure open data contributes to a individual's professional profile.
 - CORD feed to web profile [1]; REF [3], consideration in promotion [3].
4. RDM embedded in other specialist support services.
 - IT/Ethics/RIO training or guidance on related aspects; DMP via CURES?



3: Effective asset protection

1. Provide appropriate solution for storage of classified data (active + preservation). [2]
2. Investigate solutions for providing access to restricted-access datasets. [3]
3. Offer formalised guidance on sharing data relating to commercial partnerships.
4. Incorporate transparent review process in CORD. [1]



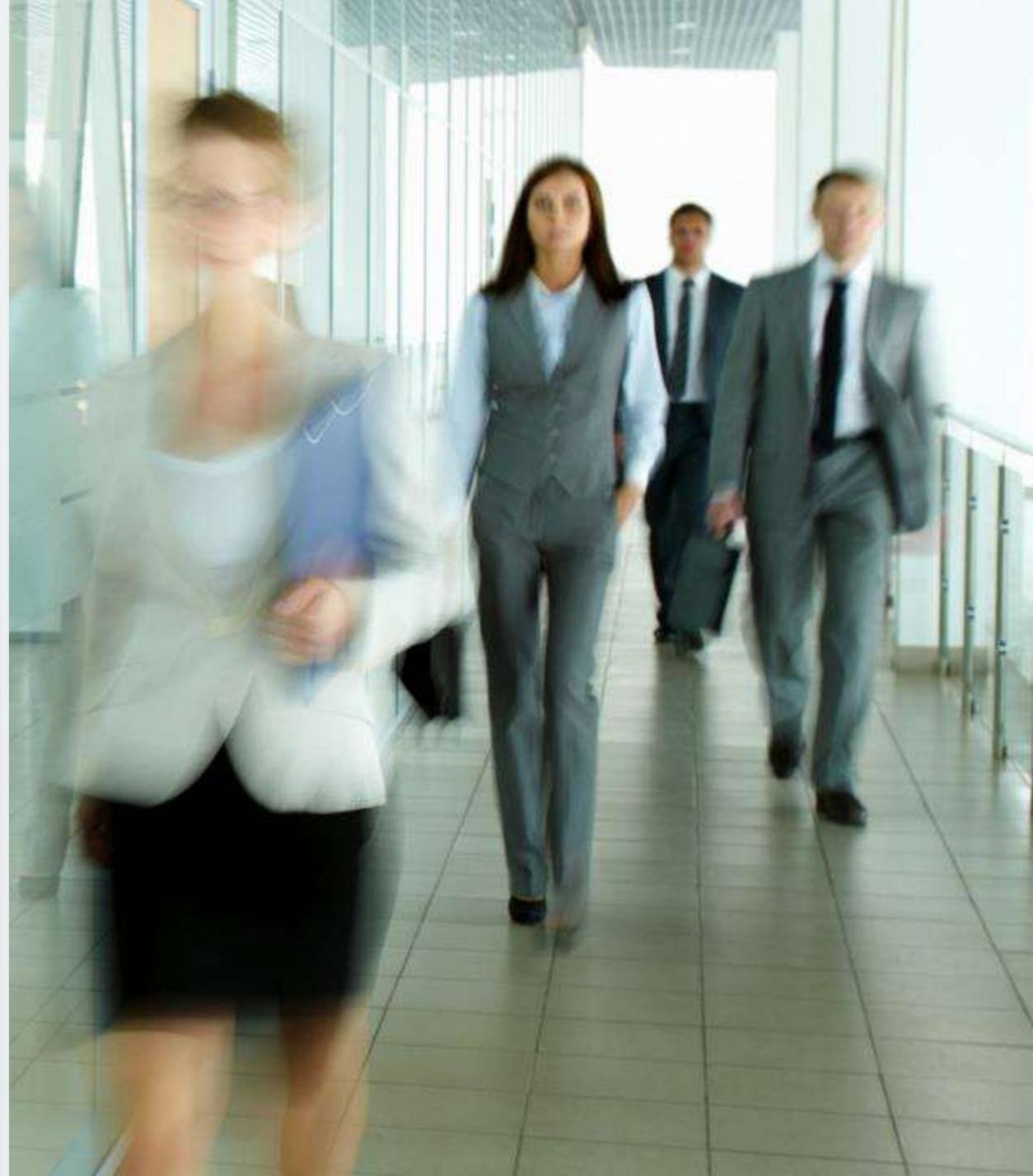
4: Effective infrastructure

1. Provide (documented) systems for active data.
2. Ditto for preservation.
3. Ensure appropriate staffing.
4. Improve financial sustainability of service.
5. Active engagement with development initiatives.
6. Physical RD: procure lab books, offer digitisation.
7. Digital preservation: archival storage, preservation policies.
8. Big Data [3]



5: Skills and knowledge

1. Comprehensive online documentation with annual review (intranet, VLE, blog).
2. Provide training for staff and students: three intro and three DMP sessions each year for students, another six by webinar.
3. Provide on-demand assistance for staff and students (roving, one-to-ones, outreach).





Questions?

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