



Government
Digital & Data

Driving Digital and Data Transformation in UK Government

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National Data Strategy



Transforming for a Digital
Future

The government has published a new digital and data strategy,
[Transforming for a Digital Future: Government's 2022-25
Roadmap for Digital and Data.](#)

Six missions to transform for a digital future

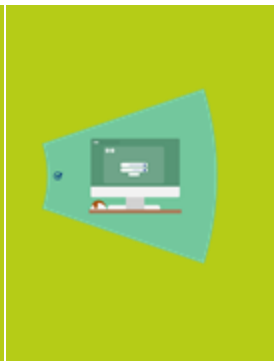
MISSION 1:

**Transformed
public services
that achieve the
right outcomes**



MISSION 2:

**GOV.UK
One Login
for
government**



MISSION 3:

**Better data
to power
decision
making**



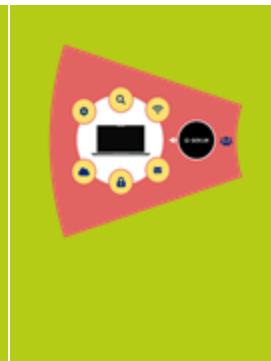
MISSION 4:

**Efficient,
secure and
sustainable
technology**



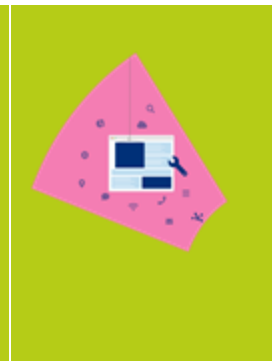
MISSION 5:

**Digital
skills at
scale**



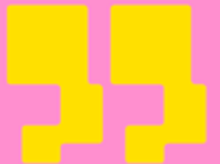
MISSION 6:

**A system that
unlocks digital
transformation**





Data is... ~~a cure-all~~
... ~~to be feared~~
... an enabler



The public sector data landscape is changing



Increase in the volume of data



Shift in understanding and awareness of the importance of data



Major investment in data strategy, skills, and infrastructure

Seize the AI Moment



Building the Foundations

- Where do we need to invest in our data capability?
- Do we have access to the right data?
- Are we using data ethically and responsibly?
- Are we treating our data as an asset?
- Do we have the right skills?





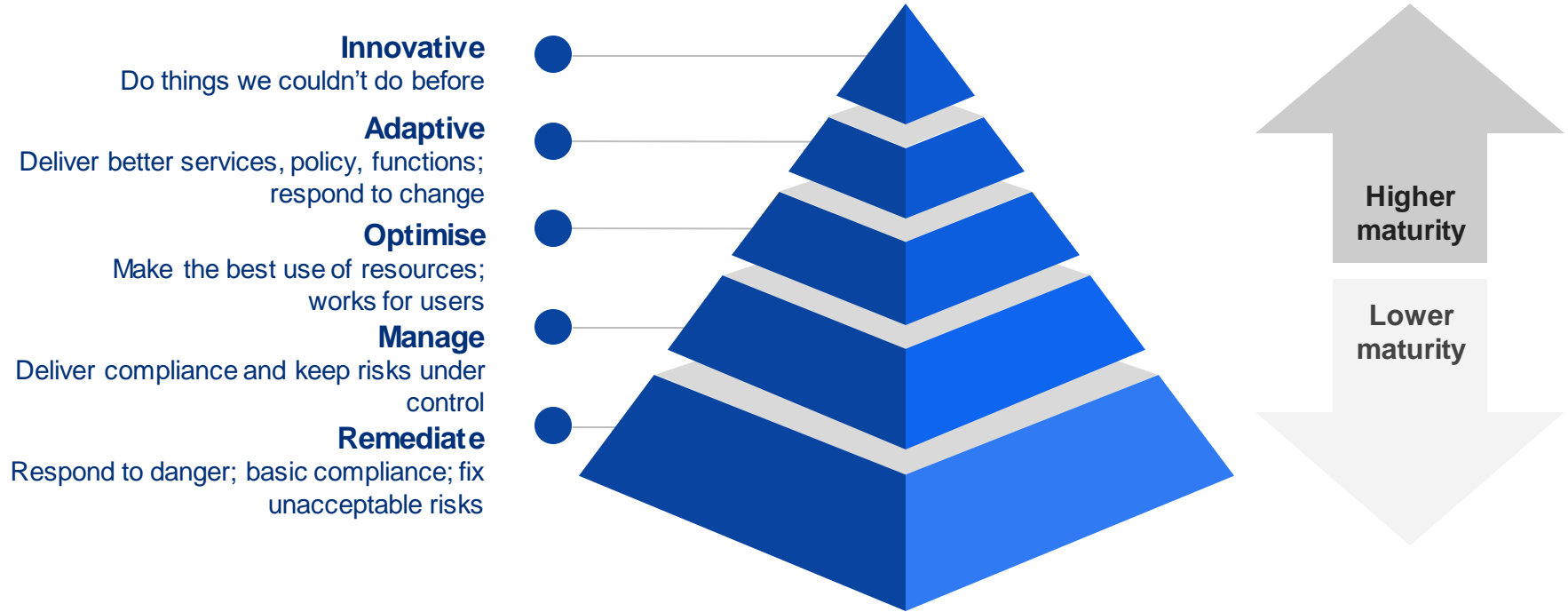
Where do we need to invest in our data capability?

Data Maturity Assessment

- DMA launched March 2023
- Support large-scale transformation of data capability
- Departments to complete a targeted assessment within the first year



Effective data maturity management delivers wide benefit and is critical to achieving organisational objectives

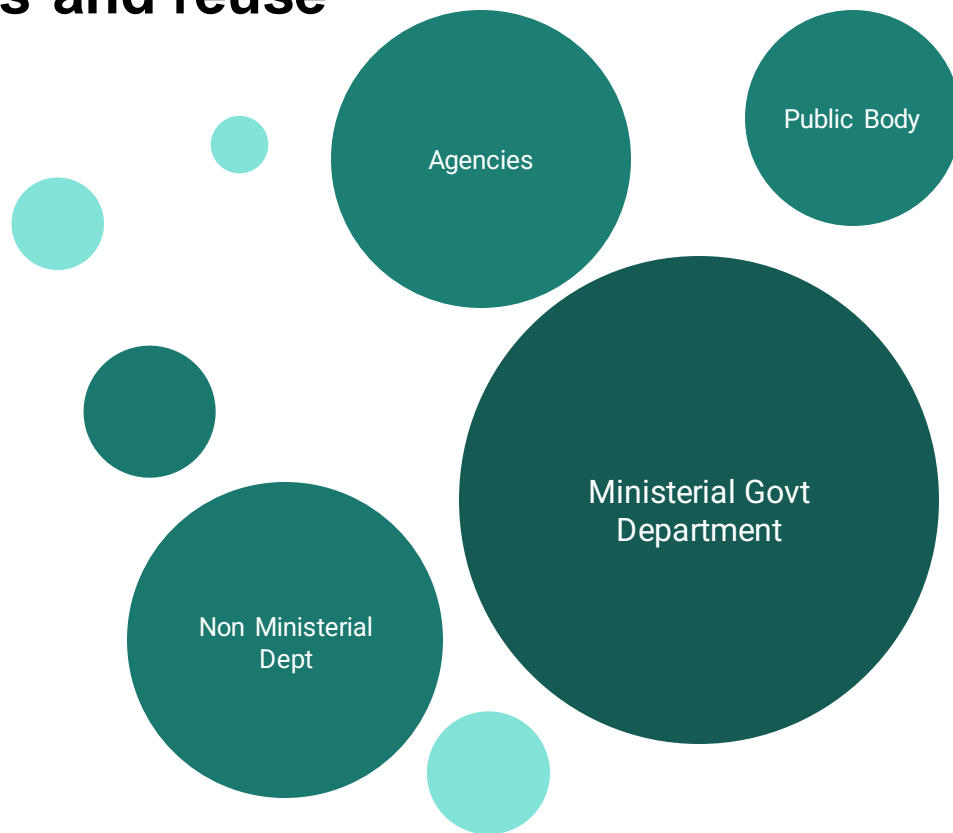




Do we have access to the right data?

The problems with data access and reuse

- In **18% of cases** data took over 6 months to find.
- To arrange a data share, government officials take on **average 4-6 months** of negotiations. In some cases these last for over 18 months.]
- Government services are duplicating data capture.



The Vision

To provide a front door to discover, access and share government data in a legal, ethical and trusted way.

Discover



Deliver



Share



Guide



Data Marketplace

Discover



Find and assess data to meet the aims of a project or service.

Share



Make agreeing and managing data shares easier, faster and compliant

Deliver



Create interoperable and reusable data services

Guide



Access support, guidance, standards and documentation for data use and sharing

Departmental
Data
Catalogues

Departmental
APIs

Integrated
Data Service

...

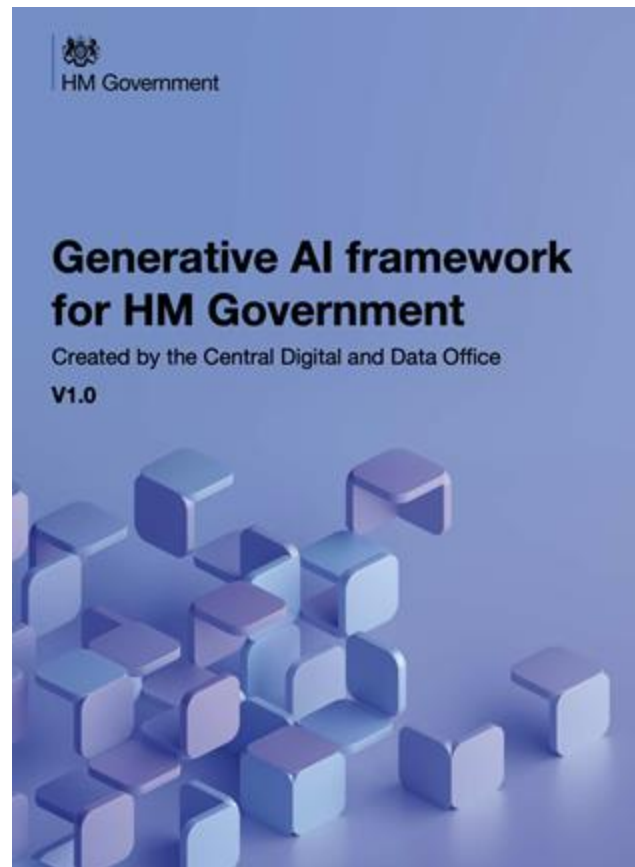
Industry
Specific Data
Marketplaces



Are we using data ethically and responsibly?

Using Gen AI Ethically and Responsibly

- Ten principles that explain what you should and should not do when using generative AI in government organisations.
- A straightforward explanation of what generative AI is and what it can and can't do
- Explanations of how to use generative AI ethically, securely and responsibly
- Technical explanations of how to build and use generative AI solutions



Generative AI Framework is built on 10 core principles



You know what Generative AI is and what its limitations are.



You use Generative AI lawfully, ethically and responsibly.



You know how to keep Generative AI tools secure.



You have meaningful human control at the right stage.



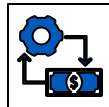
You understand how to manage the full Generative AI life cycle.



You use the right tool for the job.



You are open and collaborative.



You work with commercial colleagues from the start.



You have the skills and expertise needed to build and use Generative AI.



You use Generative AI in line with these principles and your organisation's policies.



Enabling departments to use GenAI confidently and responsibly, where it matters most.

Are we treating data as an asset?

Characteristics of Well Managed Data

- **Has an owner**
 - **Maintained over time and improved**
 - **The right governance around it**
 - **Increases in user value**
- ★ **Data Ownership Model for essential data assets**
 - ★ **Metadata Standards**
 - ★ **Data Quality Framework**

Do we have the right skills?



Developing the skills for change

Creating roles and career paths for data specialists

The DDaT Capability Framework sets out **single cross gov definitions of key roles** including:

- 1.Data Analysts
- 2.Data Scientists
- 3.New Data Ethicist and Data Governance Manager and a refreshed Data Architect role

Upskilling - senior roles

By 2025 **all Senior Civil Servants will be upskilled on the DDaT Essentials**, and will have the opportunity to undertake learning from the Digital Excellence Programme.

Upskilling - everyone

In September **all Civil Servants will have the opportunity to spend time developing skills and understanding related to data**, as part of the 'One Big Thing' initiative. **Data Connect** is a community led conference. **CS Data Challenge** has launched..

AI foundational skills

All civil servants now have access to: AI training to cover the basics of **what AI is** and how it will affect them through the Digital Excellence programme; training on Generative AI; and we have started work to identify future skills and learning requirements.

Seize the AI Moment





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