Department for
Digital, Culture,
Media & Sport

National Data Strategy

October 2021

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Purpose of the NDS

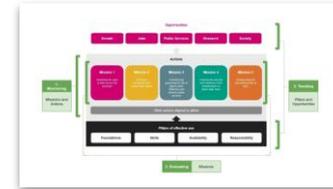|	
Set the UK's ambition	Positions the UK as a **global champion of data**, and drives the international flow of data across borders, while continuing to protect data to a high standard.
Create a unified narrative	Sets out an ambitious, pro-growth approach to data that holds that all can benefit when data is used responsibly, and that withholding data can negatively impact society.
Provide a policy framework	Provides a **framework for new policy issues around use of data**, driving the alignment of data-led work across government while creating a shared understanding across the economy of how data is used.
Demonstrate a commitment to action	Creates a framework for the action we are taking on data. With focus on the **delivery of 5 missions**, priority areas of action where we think we can have a significant impact leading to better use of data.

The NDS journey so far
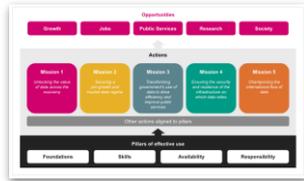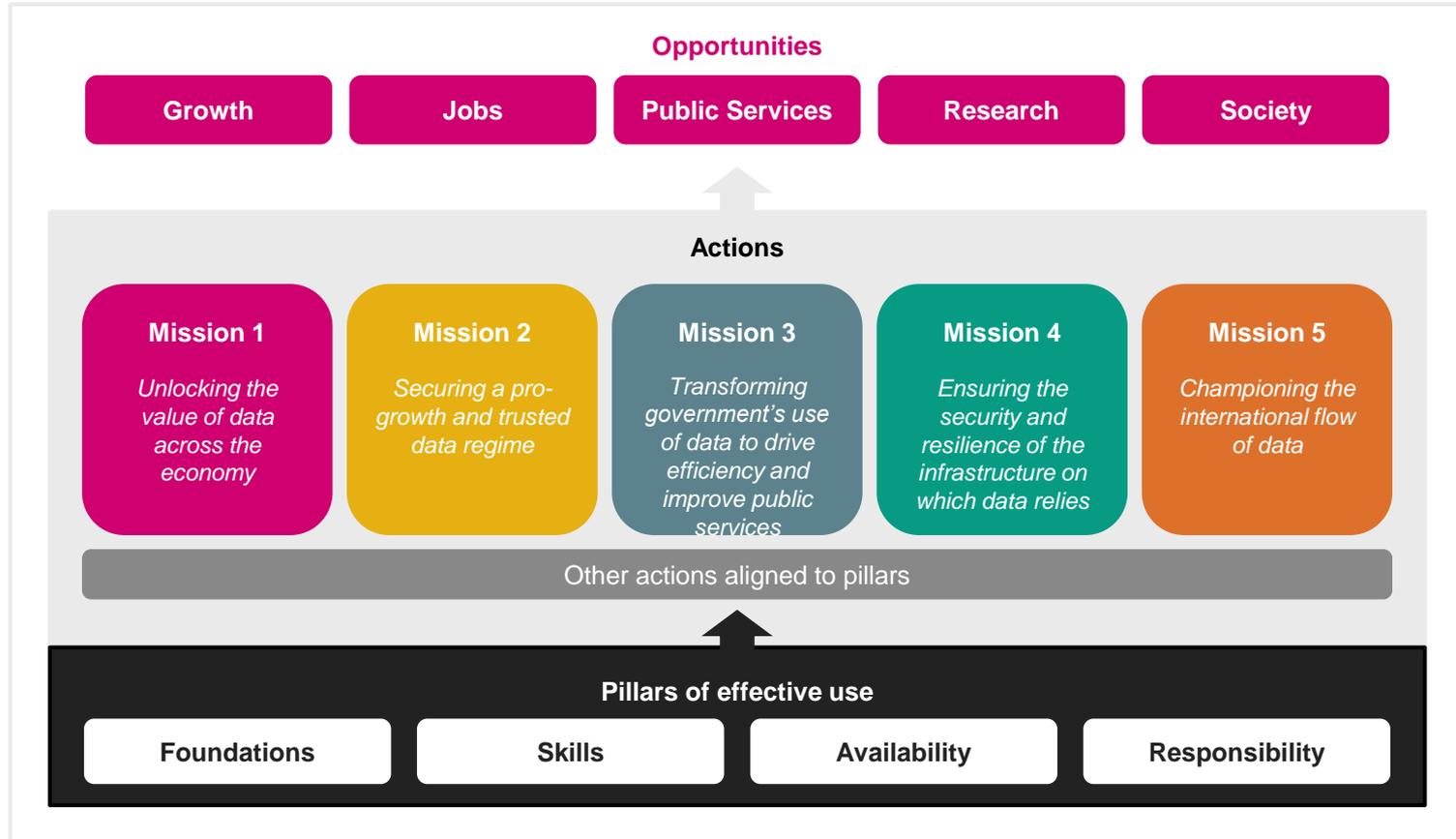

NDS framework & 12 week consultation launched

Government response to NDS consultation published

M&E framework launched

NDS consultation closed

First NDS Forum discussion

2020   Sept   Dec   **2021** May   June   Sept

A quick reminder...

Opportunities

| Growth | Jobs | Public Services | Research | Society |

Actions

Mission 1	**Mission 2**	**Mission 3**	**Mission 4**	**Mission 5**
Unlocking the value of data across the economy	*Securing a pro-growth and trusted data regime*	*Transforming government's use of data to drive efficiency and improve public services*	*Ensuring the security and resilience of the infrastructure on which data relies*	*Championing the international flow of data*

Other actions aligned to pillars

Pillars of effective use

| Foundations | Skills | Availability | Responsibility |

NDS framework: Opportunities

Growth
Boosting productivity and trade

Society
Creating a fairer society for all

Jobs
Supporting new businesses and jobs

Public Services
Driving better delivery of policy and public services

Research
Increasing the speed, efficiency and scope of scientific research

NDS framework: Pillars

Foundations

Ensuring data is fit for purpose

Skills

Ensuring data skills for a data-driven economy and data rich lives
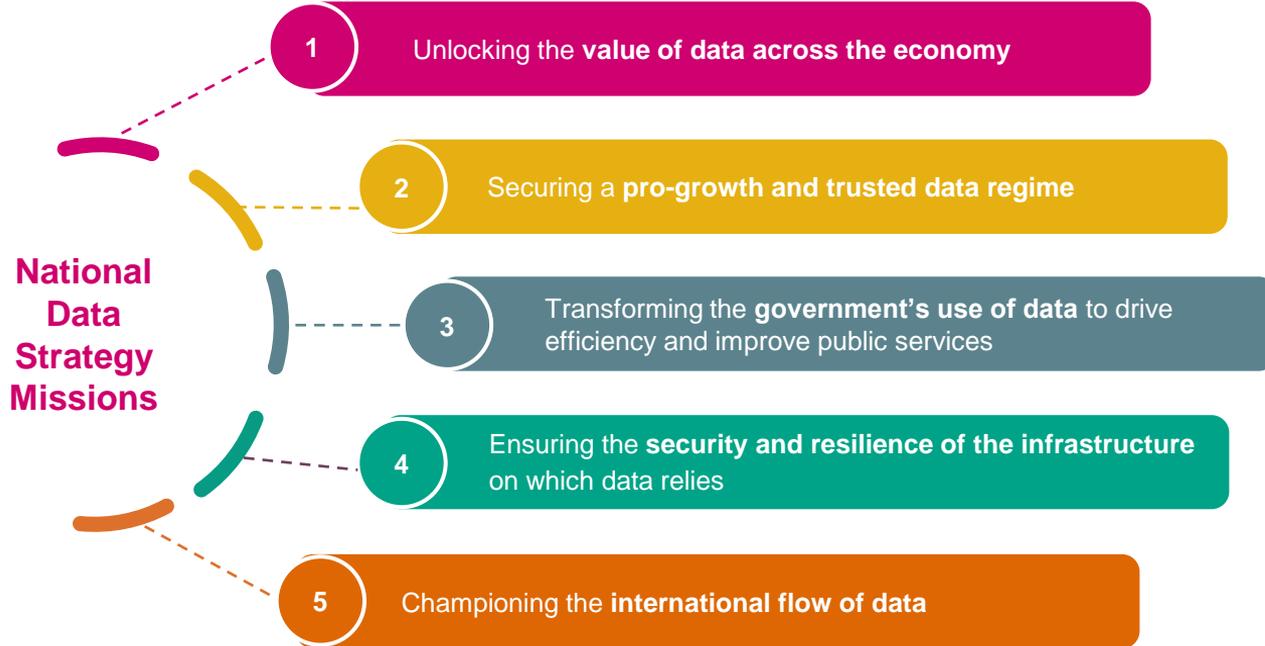
Availability

Ensuring data can get to where it is needed

Responsibility

Driving safe and trusted use of data

NDS framework: Missions

National Data Strategy Missions

1. Unlocking the **value of data across the economy**

2. Securing a **pro-growth and trusted data regime**

3. Transforming the **government's use of data** to drive efficiency and improve public services

4. Ensuring the **security and resilience of the infrastructure** on which data relies

5. Championing the **international flow of data**

Implementing the NDS

Governance

Establishing clear accountability

Monitoring, tracking, and evaluation

Delivering on the Strategy

Engagement

Working together to ensure success

Cross-Whitehall National Data Strategy Implementation Steering Group will assume ultimate accountability for the strategy's delivery

A monitoring and evaluation framework which can track delivery of government's interventions, assess their effectiveness, and enable us to plan for further interventions in the future.
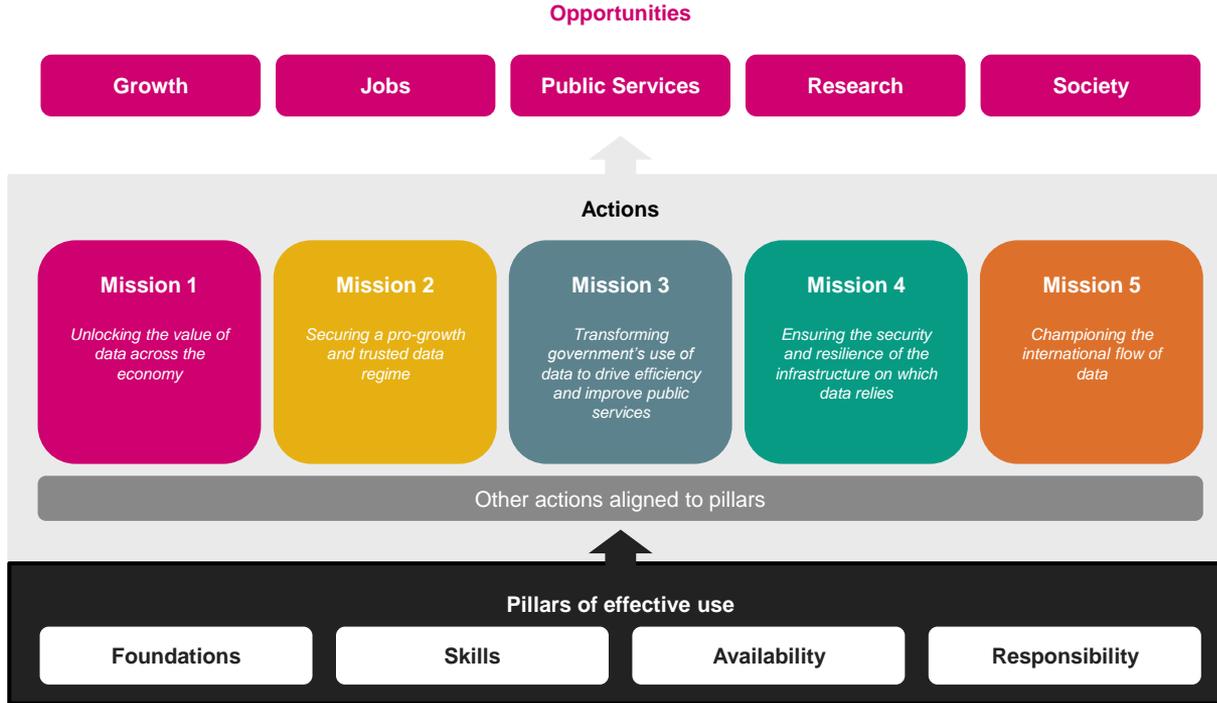
Using the National Data Strategy Forum of key advocates and influencers to ensure diverse perspectives inform implementation
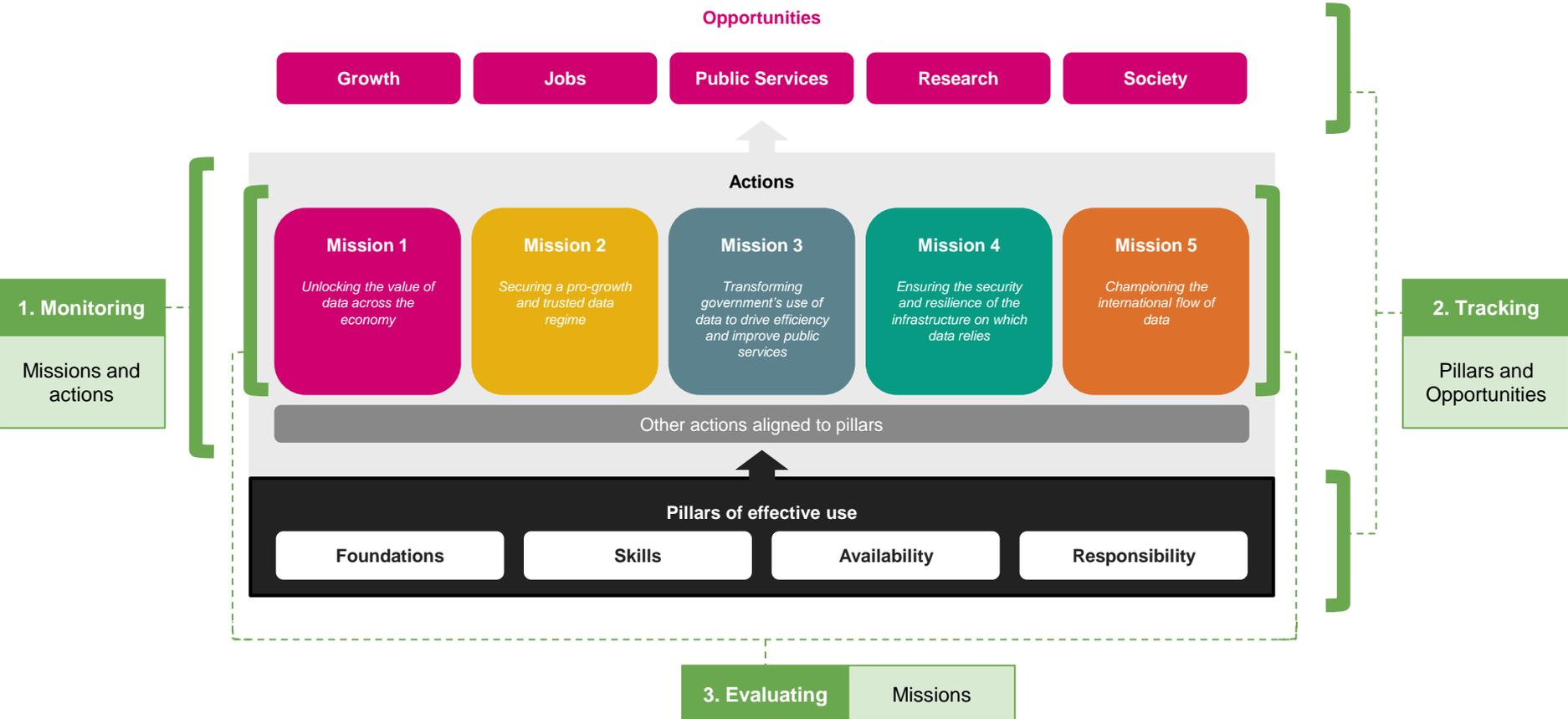
Monitoring & Evaluation Framework

National Data Strategy Framework

Opportunities

Growth	Jobs	Public Services	Research	Society

Actions

Mission 1	Mission 2	Mission 3	Mission 4	Mission 5
Unlocking the value of data across the economy	*Securing a pro-growth and trusted data regime*	*Transforming government's use of data to drive efficiency and improve public services*	*Ensuring the security and resilience of the infrastructure on which data relies*	*Championing the international flow of data*

Other actions aligned to pillars

Pillars of effective use

Foundations	Skills	Availability	Responsibility

National Data Strategy: Monitoring and Evaluation Framework

Monitoring and Evaluation Framework: Principles

Dynamic & Forward Looking

- A **strategic framework** encapsulating all core NDS commitments, tying them into delivering real-world impacts

- Timely reporting to ensure we are **delivering those impacts**, and can pivot quickly to fill gaps or realign if priorities need to shift

Outcome-oriented

- Focuses on the delivery of **key strategic priorities** and **achieving results**

Proportionate

- **Appropriate metrics** reflecting where policy development or implementation is up to

- Monitoring and reporting which **doesn't needlessly increase demands** on mission teams, or become a box-ticking exercise

Monitoring and Evaluation Publication: September 2021

1. Monitoring and Evaluation Framework Outline

2. Monitoring

Recent achievements and priorities for the NDS Missions, and Skills (as a cross-cutting theme)

3. Tracking

Call for evidence on the development of a suite of c.30 indicators against the NDS Pillars and Opportunities

4. Evaluating

Summary of key research to develop the evidence base, and an explanation that we will evaluate the missions with specific tailored plans
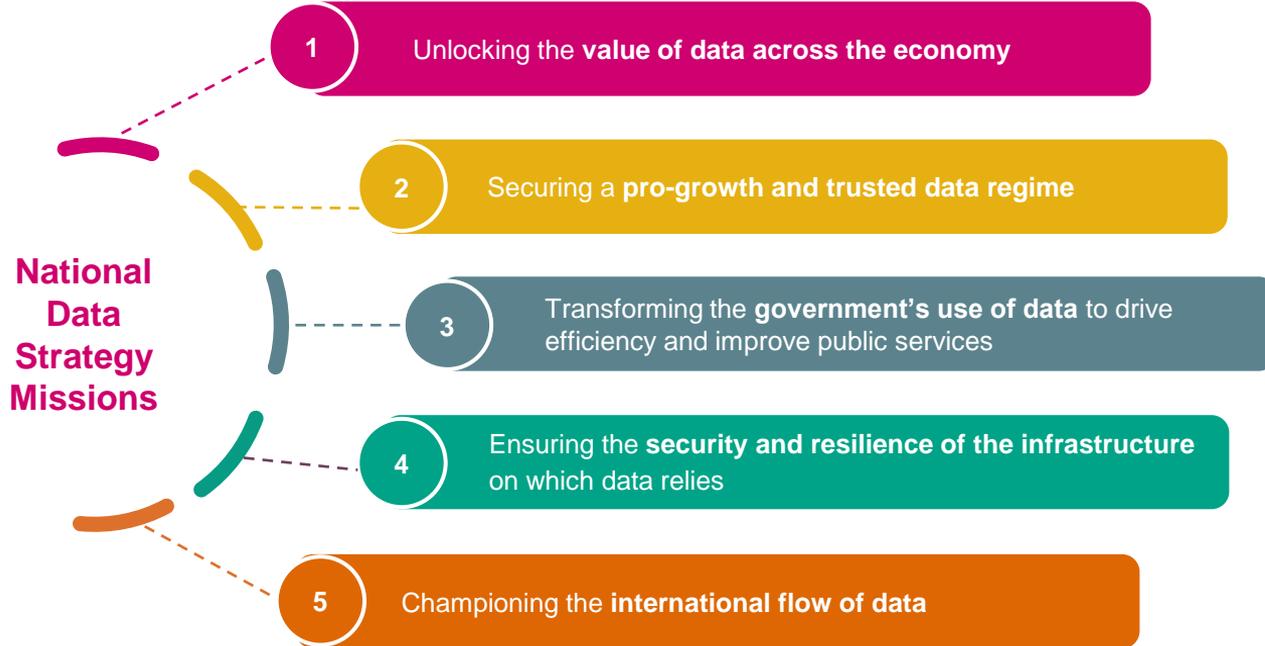
5. Next Steps

A. Horizon Scanning

Indicating the horizon scanning capability being built in the NDS team, and work on international scenarios
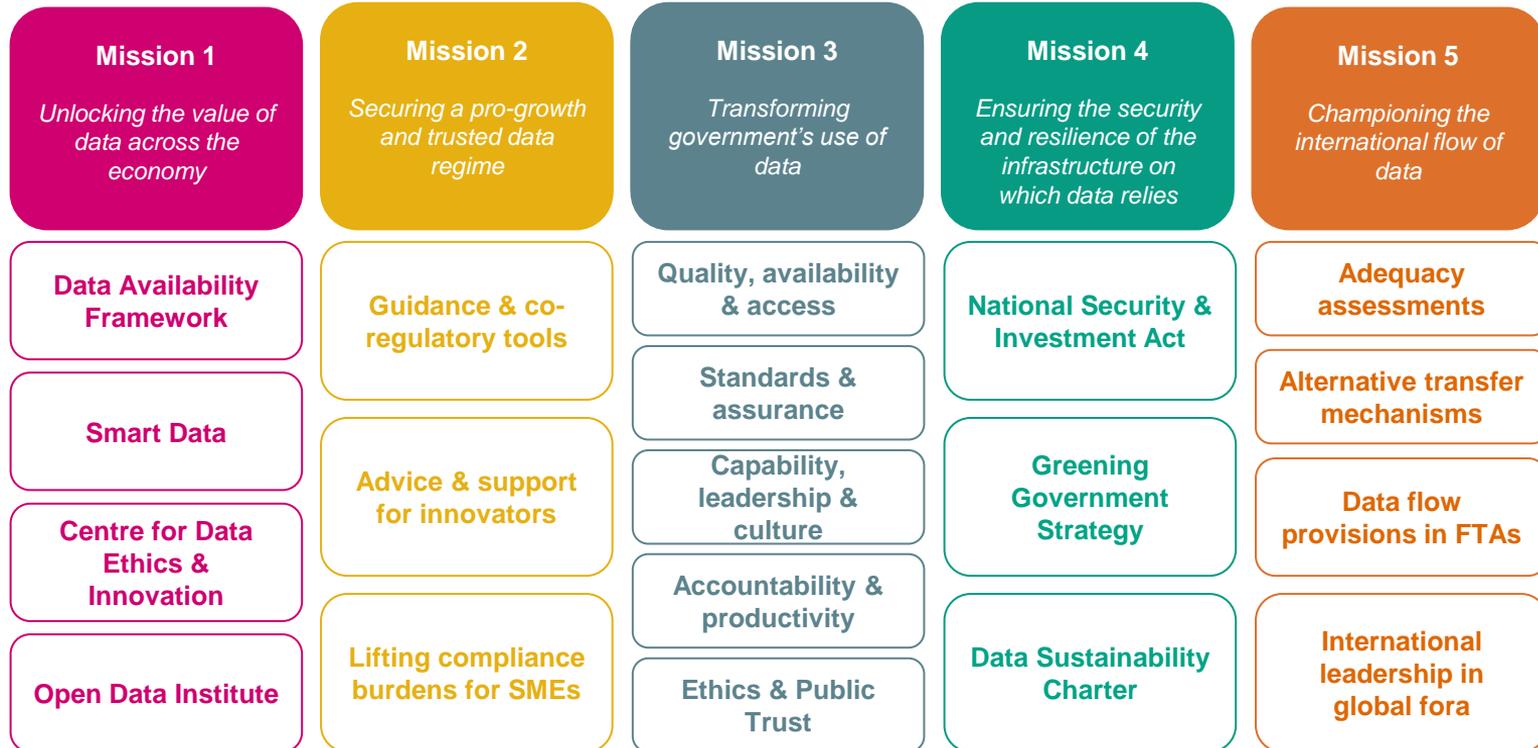
B. NDS Forum

Announcing how we will engage with stakeholders via the NDS Forum to collaboratively develop the strategy

Missions

National Data Strategy Missions

1. Unlocking the **value of data across the economy**

2. Securing a **pro-growth and trusted data regime**

3. Transforming the **government's use of data** to drive efficiency and improve public services

4. Ensuring the **security and resilience of the infrastructure** on which data relies

5. Championing the **international flow of data**

Missions

The **primary delivery channels** for implementation are the strategy's five missions:

Mission 1	Mission 2	Mission 3	Mission 4	Mission 5
Unlocking the value of data across the economy	*Securing a pro-growth and trusted data regime*	*Transforming government's use of data*	*Ensuring the security and resilience of the infrastructure on which data relies*	*Championing the international flow of data*
Data Availability Framework	**Guidance & co-regulatory tools**	**Quality, availability & access**	**National Security & Investment Act**	**Adequacy assessments**
Smart Data		**Standards & assurance**		**Alternative transfer mechanisms**
Centre for Data Ethics & Innovation	**Advice & support for innovators**	**Capability, leadership & culture**	**Greening Government Strategy**	**Data flow provisions in FTAs**
		Accountability & productivity		
Open Data Institute	**Lifting compliance burdens for SMEs**	**Ethics & Public Trust**	**Data Sustainability Charter**	**International leadership in global fora**

Mission 1 - Unlocking the value of data across the economy

Publication of 2 key pieces of research by ODI

Focused on **improving data and information access in regulated sectors**, and a **review of the UK business to business data assurance market** ✓

Smart Data Working Group Spring 2021 report

Provided update on the development of sector specific **Smart Data schemes**, and efforts to identify areas for cross-sector coordination, and possible delivery models to enable this ✓

Data intermediaries

Launched a consultation on how government can support an effective ecosystem for data intermediaries (third parties which enable data sharing) as part of data reform consultation ✓

Centre for Data Ethics and Innovation

Appointed a **refreshed advisory board** for the CDEI to drive forward the Centre's remit to ensure that data-driven innovation in complex areas actually happens ✓

Mission 2 - Securing a pro-growth and trusted data regime

New Information Commissioner

Announced **John Edwards**, currently New Zealand's Privacy Commissioner as the government's **preferred candidate** to be the UK's next Information Commissioner ✓

'Data: a new direction' consultation

Launched a consultation to create a new, ambitious, pro-growth and innovation-friendly data protection regime that underpins the trustworthy use of data ✓

Mission 3 - Transforming government's use of data

Central Digital and Data Office

Appointed a new **Chief Data Officer** for the Central Digital and Data Office

Data Principles

Launched the **Data Principles** to underpin ONS's Data Strategy to mobilise the power of data to help make Britain make better decisions

No.10 Innovation Fellowship Programme

Onboarded **seven fellows** under this new flagship scheme to attract top talent from the digital and tech sector into government

Public Engagement

Conducted **deliberative public engagement exercise** with the Centre for Data Ethics and Innovation and BritainThinks to explore the use of **meaningful algorithmic transparency** in the public sector

Mission 4 - Security & resilience of data infrastructure

National Security and Investment Act

Prepared for the **NSI Act** to commence fully on 4 January 2022 providing the government with a strong lever to mitigate national security risks and minimise the impact on businesses in the data infrastructure sector

Supporting the data infrastructure sector

Secured **key interventions** (e.g. critical worker status) for critical staff and provided guidance to ensure the functionality and maintenance of the data infrastructure sector

Mission 5 - Championing the international flow of data

International data transfers

Announced our ambitious plans to make **international data transfers** more seamless, and confirmed the UK's near and longer-term **priority partners** for new UK adequacy arrangements

Data Adequacy

EU formally adopted GDPR and LED **adequacy decisions** allowing personal data to continue flowing freely to the UK

Trade agreements

Agreed provisions in **trade agreements** with the EU and Japan that commit to removing barriers to cross border data flows
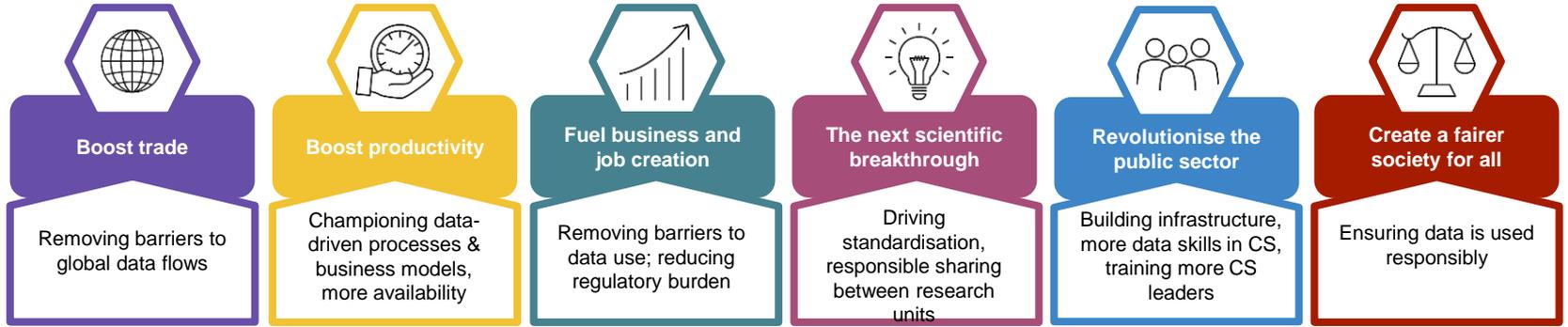
Data free flow

Negotiated an ambitious **Roadmap for Cooperation** on **Data Free Flow with Trust** as part of the **UK's G7 Presidency**, and commenced its delivery
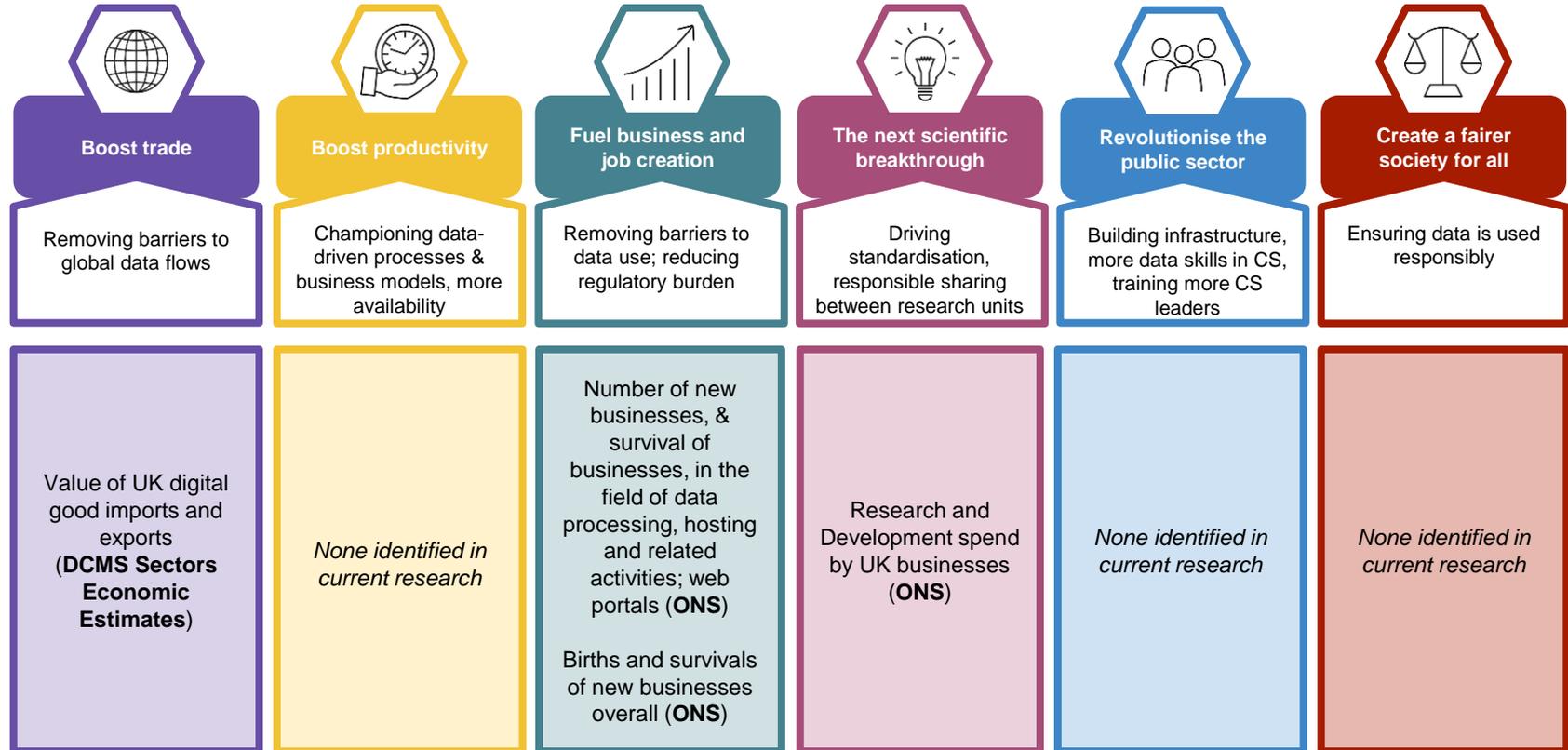
Tracking: developing a high level indicator suite

Data Opportunities and Drivers

Boost trade

Removing barriers to global data flows

Boost productivity

Championing data-driven processes & business models, more availability

Fuel business and job creation

Removing barriers to data use; reducing regulatory burden

The next scientific breakthrough

Driving standardisation, responsible sharing between research units

Revolutionise the public sector

Building infrastructure, more data skills in CS, training more CS leaders

Create a fairer society for all

Ensuring data is used responsibly

Pillars of effective use

Foundations

Skills

Availability

Responsible Use

Examples of opportunity metrics

Boost trade	Boost productivity	Fuel business and job creation	The next scientific breakthrough	Revolutionise the public sector	Create a fairer society for all
Removing barriers to global data flows	Championing data-driven processes & business models, more availability	Removing barriers to data use; reducing regulatory burden	Driving standardisation, responsible sharing between research units	Building infrastructure, more data skills in CS, training more CS leaders	Ensuring data is used responsibly
Value of UK digital good imports and exports (**DCMS Sectors Economic Estimates**)	*None identified in current research*	Number of new businesses, & survival of businesses, in the field of data processing, hosting and related activities; web portals (**ONS**) Births and survivals of new businesses overall (**ONS**)	Research and Development spend by UK businesses (**ONS**)	*None identified in current research*	*None identified in current research*

Examples of pillar metrics

Foundations	Skills	Availability	Responsible Use

Foundations	Skills	Availability	Responsible Use
None identified in current research	No. of businesses recruiting for roles that require data skills No. of businesses that have struggled to recruit for roles that require data skills in the last 2 years No. of workers that have not received any data skills training within the last two years (**DCMS Quantifying the Data Skills Gap research**)	Percentage of businesses who use digitised data who think data has become more available (**UK BDS**) Percentage of businesses using digital data (**UK BDS**) UK Government Data Availability Score (**OECD**)	% of businesses and charities who have rules in place for storing and moving personal data securely % of businesses and charities with information about how data is supposed to be stored in their cyber security policies (**DCMS Cyber Security Breaches Survey**)

Call for evidence

- Are you aware of any **metrics which currently exist** which we could use as indicators?

- Do you have any thoughts on **metrics which are being developed, or could be developed,** which we could use as indicators?

All suggested metrics welcome, in particular those that:

- broadly represent the UK, including the private, public and third sectors
- highlight how data impacts on diverse or underrepresented groups
- can be broken down to a regional level within the UK
- consider how international factors may influence the pillars or opportunities
- can be compared at an international level to demonstrate the UK's relative position in a global context

- Do you have any **comments on the indicators which we have suggested,** or the **suite structure**?

Deadline for responses: **Friday 3rd December 2021**
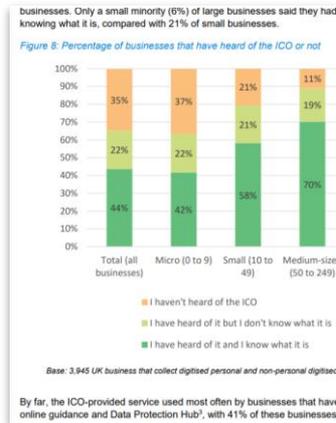
Evidence & evaluation
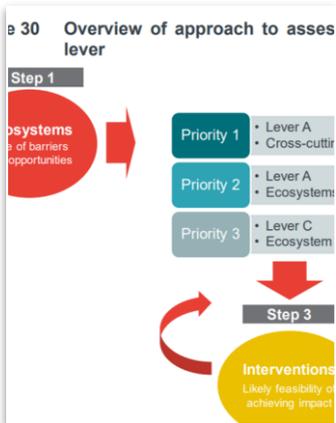
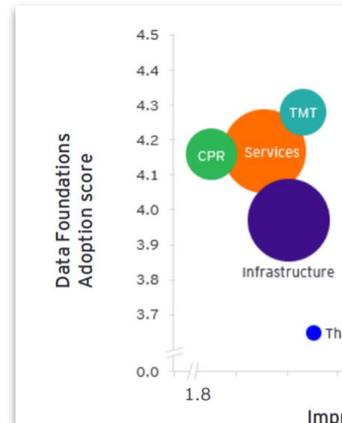**Increasing Access to Data Across the Economy**

Frontier Economics & DCMS
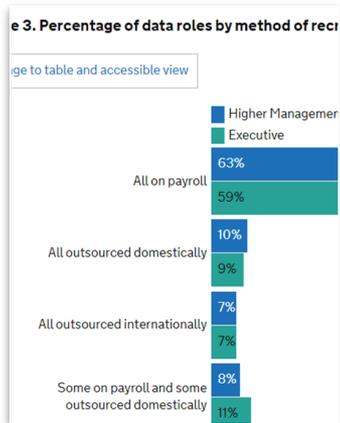
Quantifying the UK Data Skills Gap

Opinium Research & DCMS

UK Business Data Survey 2020

DCMS

Data foundations & AI adoption

EY, Office for AI & DCMS

Working together to ensure success

National Data Strategy Forum

- Government cannot – and must not – deliver the National Data Strategy alone

- The Forum brings together **diverse perspectives** from across industry, academia, civil society and the wider public to:

  - **challenge and champion** the National Data Strategy;

  - **develop collaborative programmes of work** with and beyond Government;

  - help **shape the development of the future vision** for the strategy.

- The Forum will support us in **delivering on our plans** to build public trust and ensures the data opportunity works for everyone, everywhere.

National Data Strategy Forum - Themes

Priority Themes

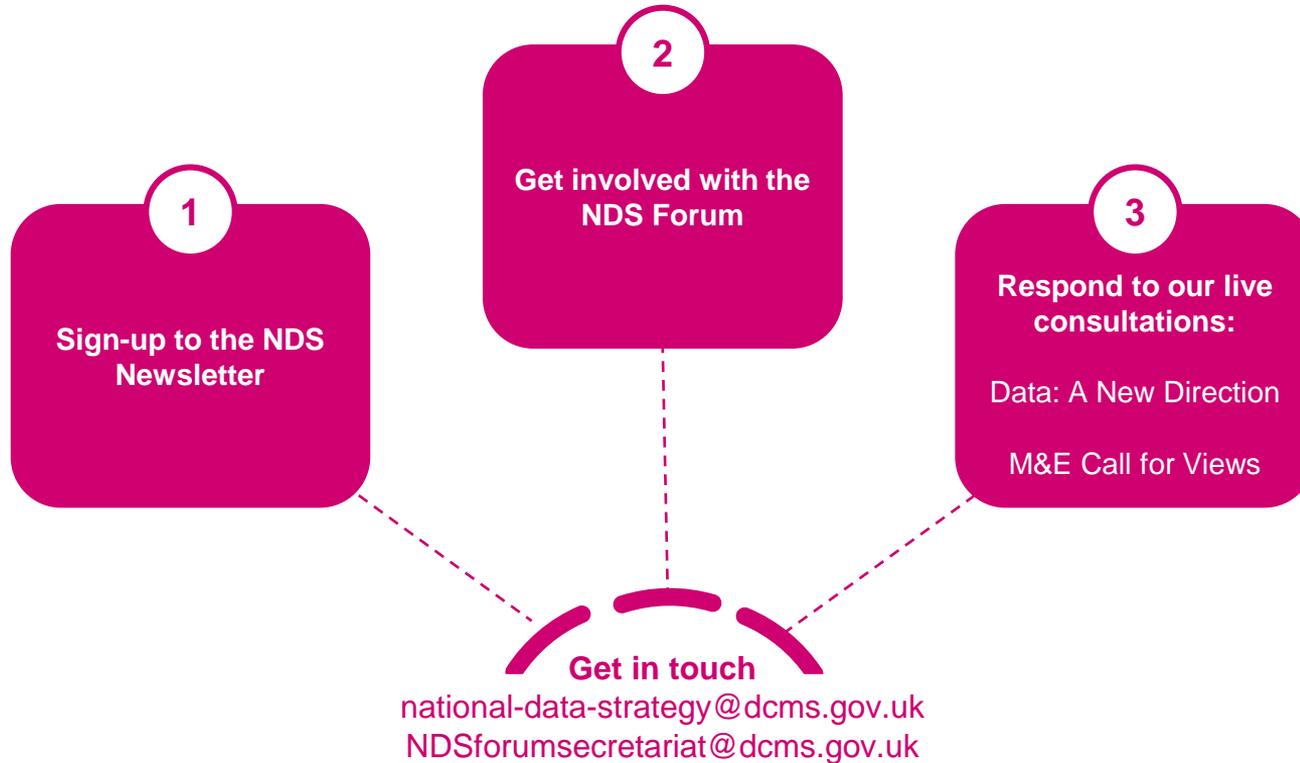| Unlocking the power of data for everyone, everywhere | Trust in data | Data reform | Net Zero | Measuring the data ecosystem |

National Data Strategy Forum - Themes

1

Sign-up to the NDS Newsletter

2

Get involved with the NDS Forum

3

Respond to our live consultations:

Data: A New Direction

M&E Call for Views

Get in touch
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NDSforumsecretariat@dcms.gov.uk

Department for Digital, Culture, Media & Sport

National Data Strategy