UK Climate Change Project

Dr Helen Fox

Office for National Statistics (ONS), United Kingdom

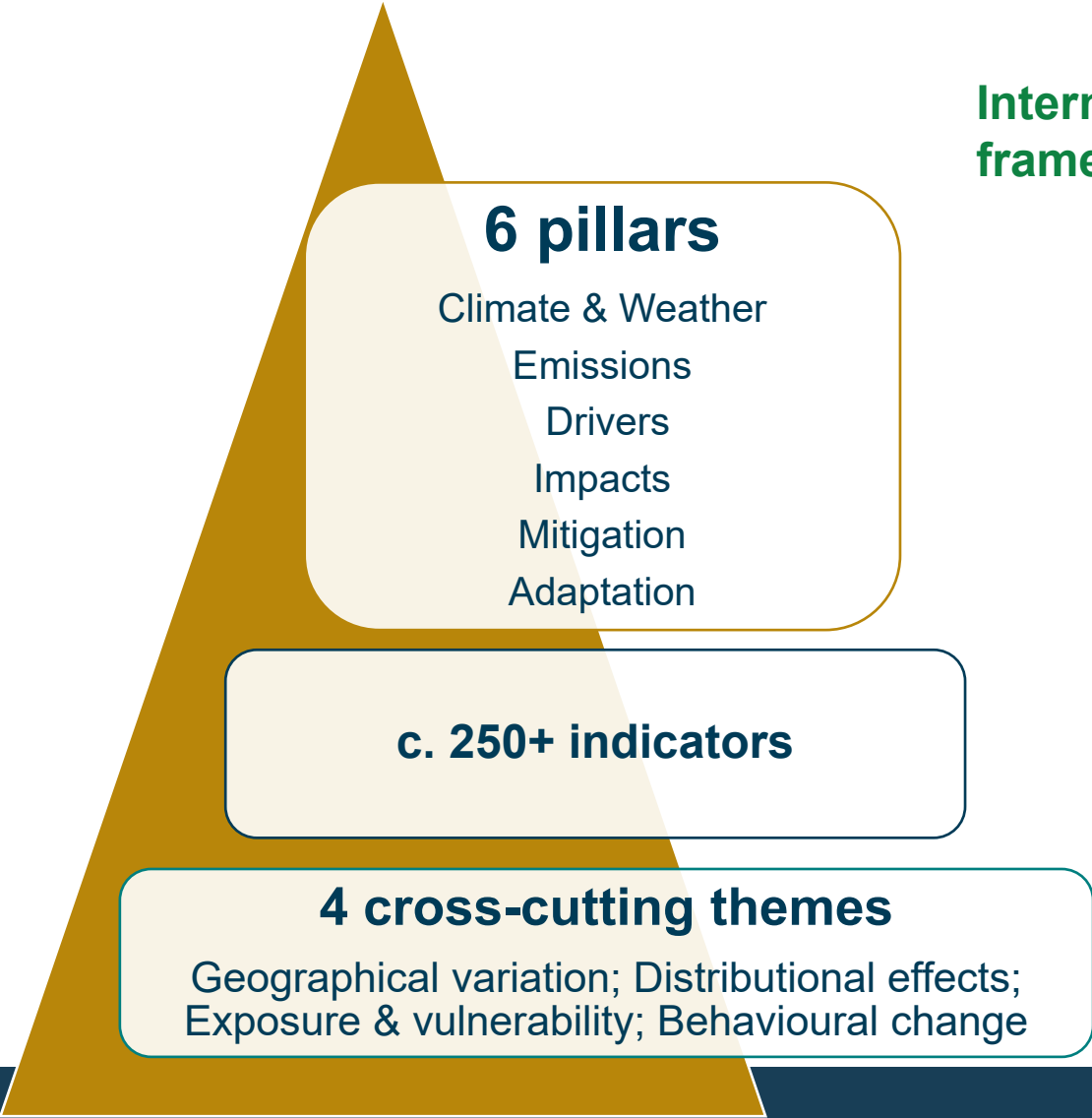ONS Climate Change Project Lead

Climate.Change@ons.gov.uk

What is the UK Climate Change Project?

- A cross-government collaborative project to increase the **coherence, accessibility** and **comparability** of UK climate change-related data, statistics and analysis

- It will improve **access** and **understanding**, identify gaps and offer new insights, including through potential linkage of datasets

- It's vision is to become the UK's **accessible**, **trusted**, **relevant** and **high-quality** climate change statistical and analytical evidence base that is widely used to inform decision-making, monitor progress, and support a coherent UK climate change narrative, in one central place
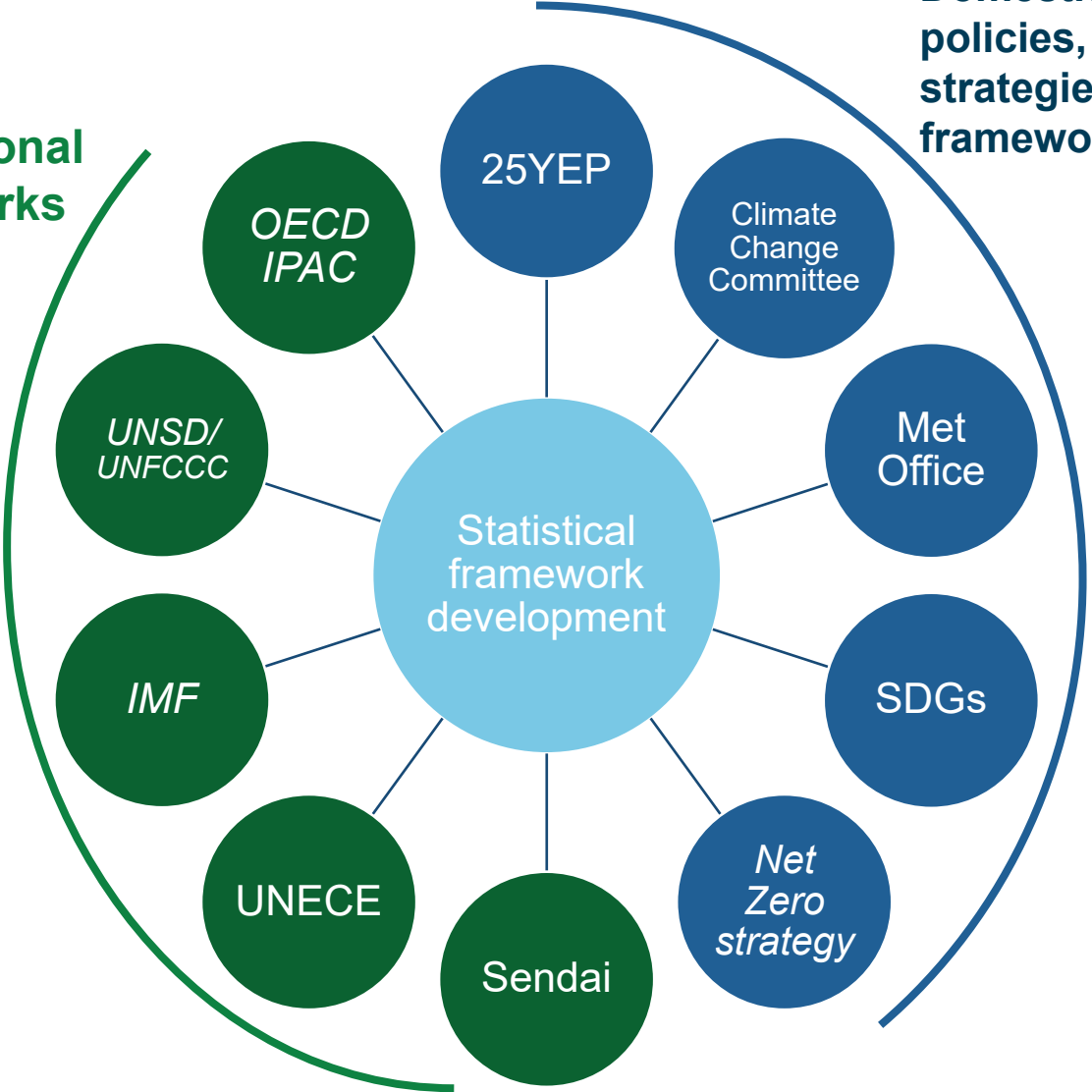
Office for **National Statistics**

3 components

▶ **Statistics** - UK Indicator Framework for Climate Change

▶ **Portal** – Prototype Data Portal and Dashboard visualisations

▶ **Analysis** – identify data gaps, provide cross-cutting policy evidence and track progress towards combating and minimising impacts of climate change

Statistics workstream

6 pillars

Climate & Weather
Emissions
Drivers
Impacts
Mitigation
Adaptation

c. 250+ indicators

4 cross-cutting themes

Geographical variation; Distributional effects; Exposure & vulnerability; Behavioural change

International frameworks

Domestic policies, strategies and frameworks

Statistical framework development

OECD IPAC
UNSD/ UNFCCC
IMF
UNECE
Sendai
25YEP
Climate Change Committee
Met Office
SDGs
Net Zero strategy

Portal workstream

- Developed with the Integrated Data Service team at ONS

  Prototype Data Portal and Dashboard for Climate Change Indicators and Statistics

Data portal/catalogue/explorer

- Dataset search, filter, slice and dice, and download

- 5* open data format - consistent formatting of data

- Advanced search and navigation functionality

- **Audience/user persona:** government analysts, external specialists and academics

Office for **National Statistics**

Summary dashboard

- Visualising key indicators for the 6 pillars

- Ability to drill down further

- To be cited on data.gov.uk

- **Audience/user persona:** Government analysts, external specialists and academics, also interested/informed citizens

Office for **National Statistics**
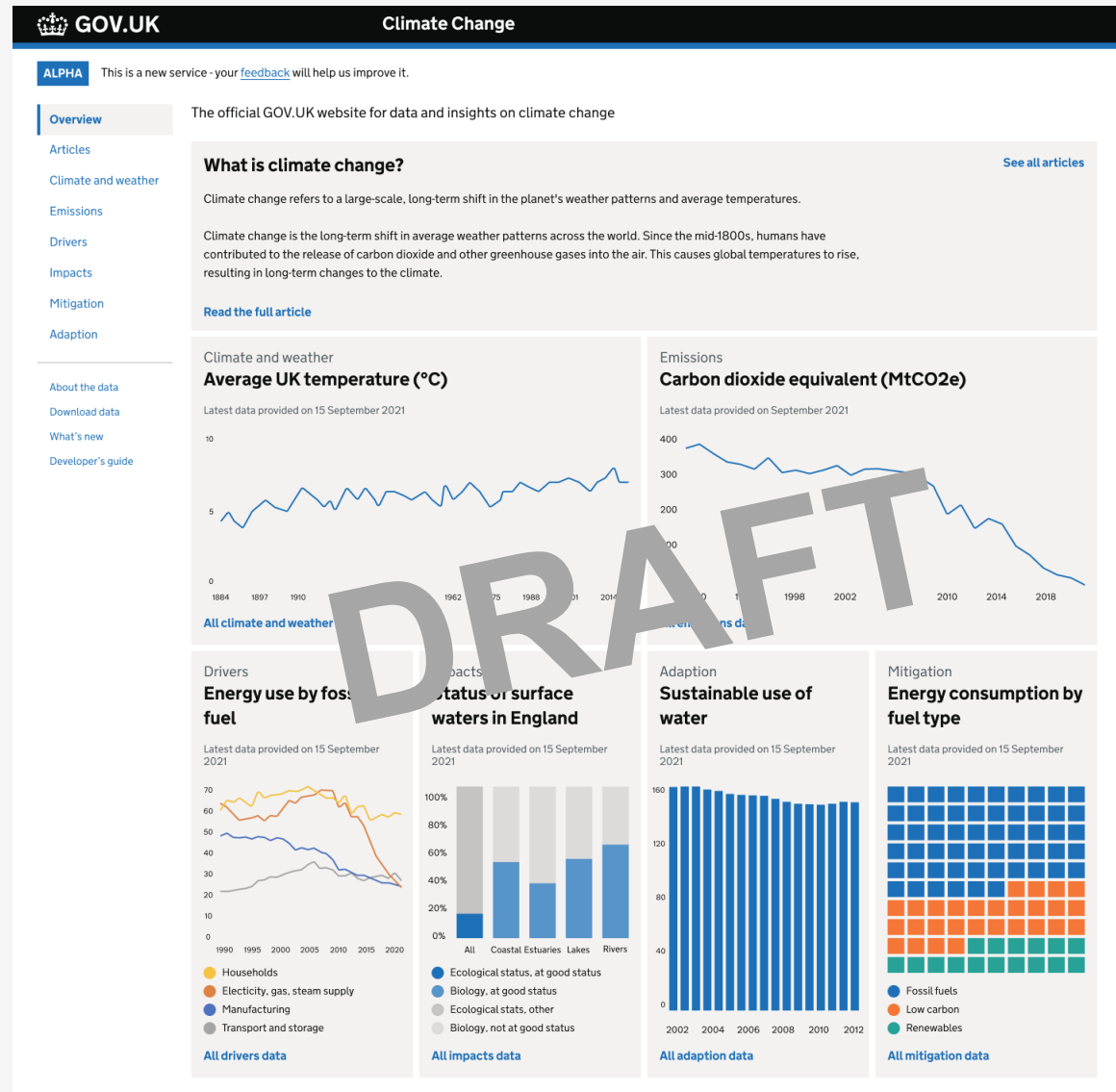
Statistical narrative dashboards

*This is a mock-up for demonstration purposes

Office for National Statistics

Longer-term

- General public facing website
- High-level narrative drawing on selected indicators from the Data Portal
- Updates on relevant government policies and official statistics

- **Audience/user persona:** wider public, policymaker, media, inquiring citizen, possibly others

Official publications

UK's Carbon Footprint
PDF, 221KB, 10 pages

Greenhouse Gas (GHG) emissions associated with UK consumption (UK's 'carbon footprint') rose in 2018, according to data released today.

2019 UK greenhouse gas emmissions: final figures – statistical summary
PDF, 332KB, 1 page

Greenhouse Gas (GHG) emissions associated with UK consumption (UK's 'carbon footprint') rose in 2018, according to data released today.

UK's experience of undertaking the consultation of the Global Set

- We consulted and coordinated contributions from more than 20 government departments, bodies and agencies and devolved administrations.

- The UK framework has similar 'Areas' or 'Pillars' to the Global Set.

- Approximately **40% of 'statistics' align** with the UK framework completely; approx. **30% are similarly defined** and/or the UK have partial data; and for the **remainder the UK don't currently include**

- The greatest issue we face in the UK is that Environmental policy is a devolved government matter.

- The main aim for creating a UK framework on climate change is to help overcome this problem and create a centralised portal to access the data through an interactive platform and dashboard.

Thank you for your attention