



Transforming our investment in England's biological data infrastructure

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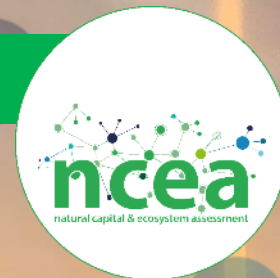


Dasgupta Review & Natural Capital Committee Final Report



Net Zero & 25 Year Environment Plan

- UK Government has set world-leading ambition on protecting our natural assets, internationally through the Convention of Biodiversity and domestically via the ground-breaking 25 Year Environment Plan.
- Intrinsically linked to the successful delivery of Net Zero, protecting our environmental services has never been more vital.
- Achieving these goals needs to be underpinned by the provision of systematic and robust evidence.



The Natural Capital & Ecosystem Assessment Programme

- The NCEA is a transformative Defra Group programme
- Aims to transform what and how we invest in data and evidence products

Natural England Programme Elements:

Data Mobilisation & Management

Mapping & Earth Observation

Field Data Collection

Citizen Science Programme



Natural Capital & Ecosystem Assessment



Timescale from pilot to programme



Pilot

2020-2022



Transition year

2022-2023



Demonstration

2023-2024

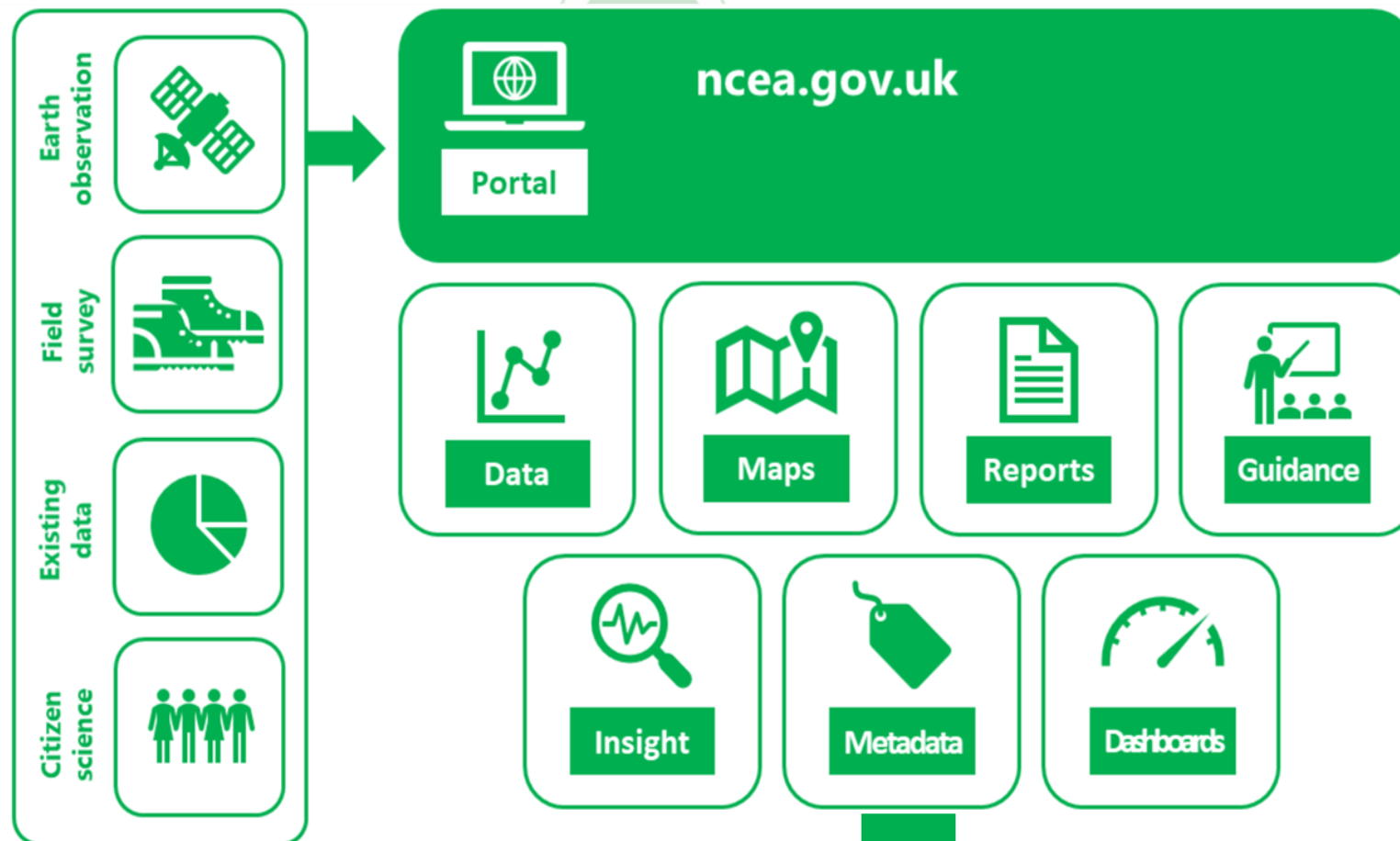


Full roll-out of five-year cycle - dependent on demonstrating value



Further CSR bid required for 26/27 onwards

Natural Capital & Ecosystem Assessment



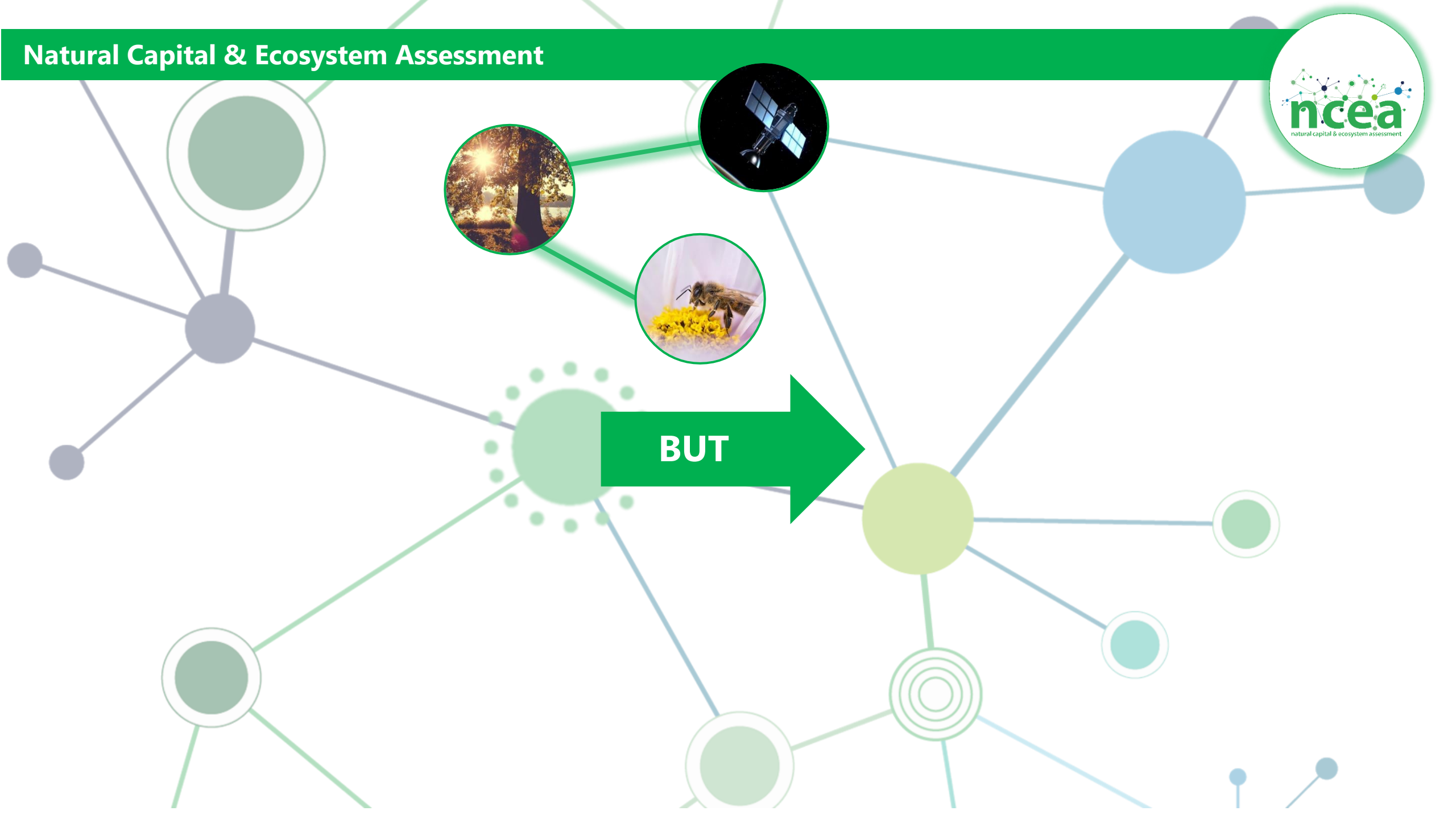
Outputs
can be
adapted
to meet
evidence
needs



Natural Capital & Ecosystem Assessment



BUT





BUT

Wealth of data available:

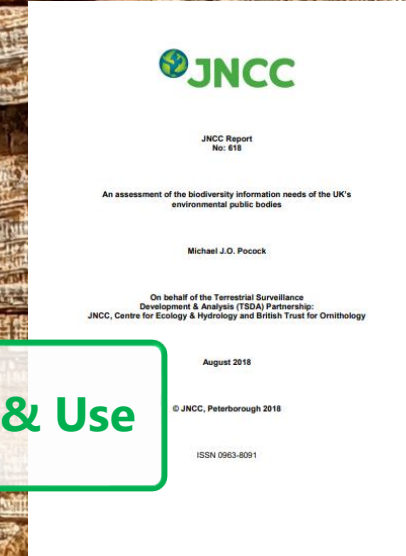
- Citizen science and volunteer recording schemes,
- Local record centres
- Long-term monitoring programmes
- Research institutes / universities

- Significant gaps / poorly covered natural capital assets
- Out-of-date data
- Incomplete national coverage
- Lack of granularity
- Not always accessible



Connecting species data flows in England – Geospatial Data Commission

Agency Analysis of Data Needs & Use



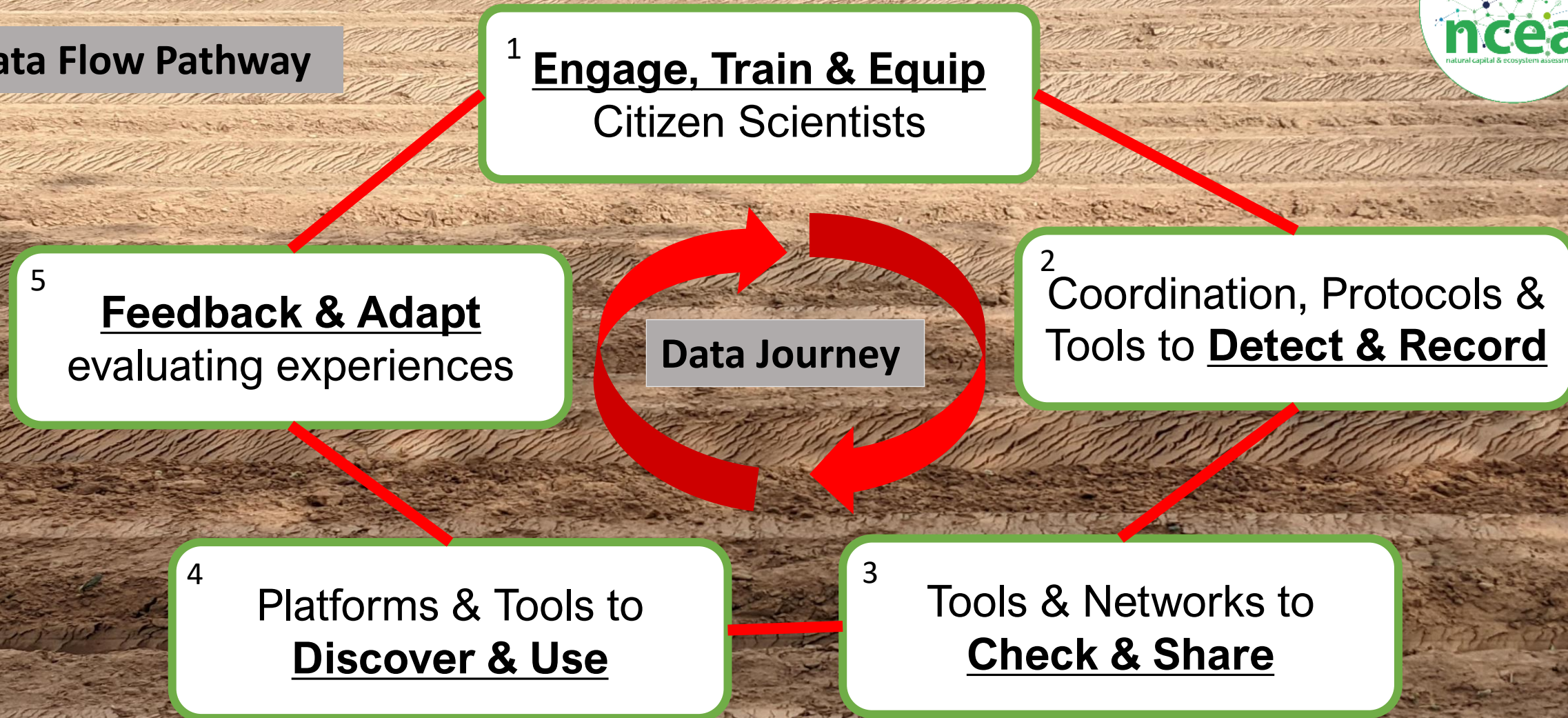
Extensive studies & summaries of opportunities and challenges for species data flow

Numerous assessments of data needs and use experiences from across Defra group

Defra group projects have been independent and isolated – and so have their data.

Make it normal for our projects to share data and use data from others.

Data Flow Pathway





Protocols

Tools

Training

Networks



Urban

Freshwater

Farmland

NC Assets