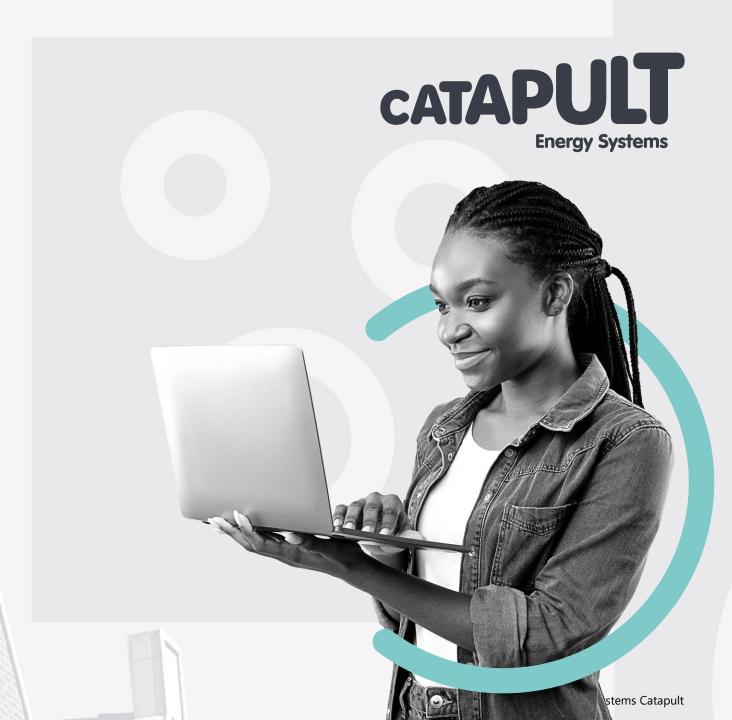


# Leapfrog into decarbonisation planning with Net Zero Data

27th Feb 2025



## Overview: Net Zero Data Baseline Bundle

Sandeep Kang
Senior Product Manager
Energy Systems Catapult



#### **Decarbonisation Planning: The Challenges**



#### As a Local Authority:

- You've declared a climate emergency and don't know where to start.
- You have a decarbonisation plan (e.g. a LAEP) but it's out of date.
- Your budgets are tight and funding a plan or refresh is difficult.
- You don't know what the energy system in your area looks like.
- You can't track progress and adjust priorities over time.
- You don't have the time, resource, or expertise.

#### As a Consultant:

- You spend the first few weeks of a project finding, compiling, cleansing data before doing the real work.
- You descope stakeholder engagement to meet budget constraints.

**UK LAs** 

~80%

Climate emergency<sup>1</sup>

**UK LAs** 

~60%

Haven't published a plan<sup>2</sup>

This event

25%

Haven't published a plan<sup>1,2</sup>

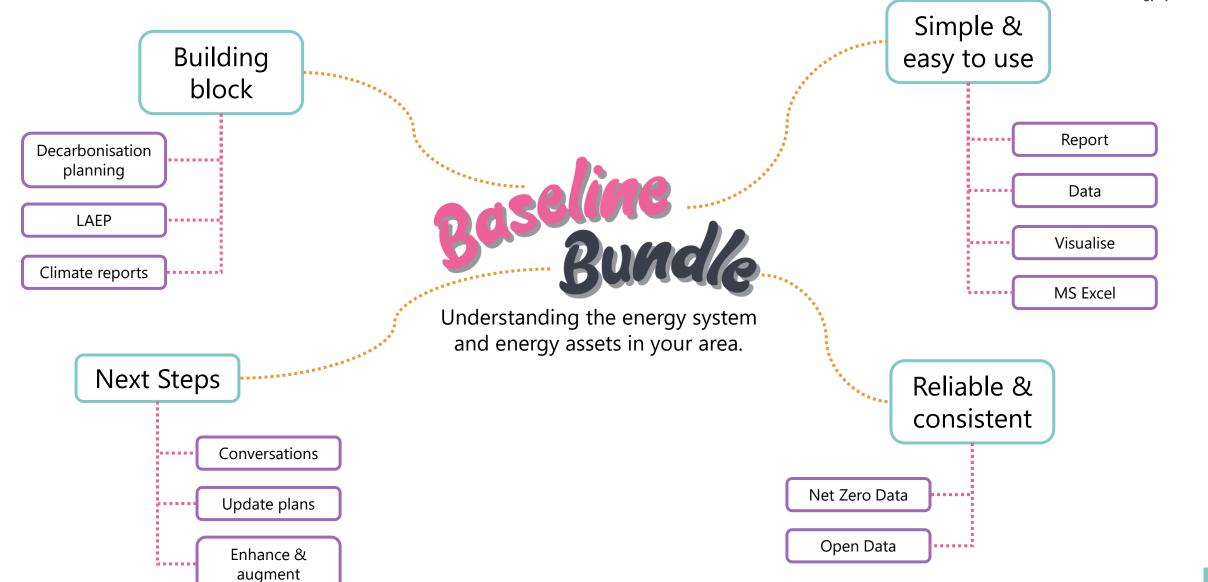
Data

**2-4**wks

Sourcing, compiling, and conditioning data

### **Early-Stage Decarbonisation Planning: The Solution**

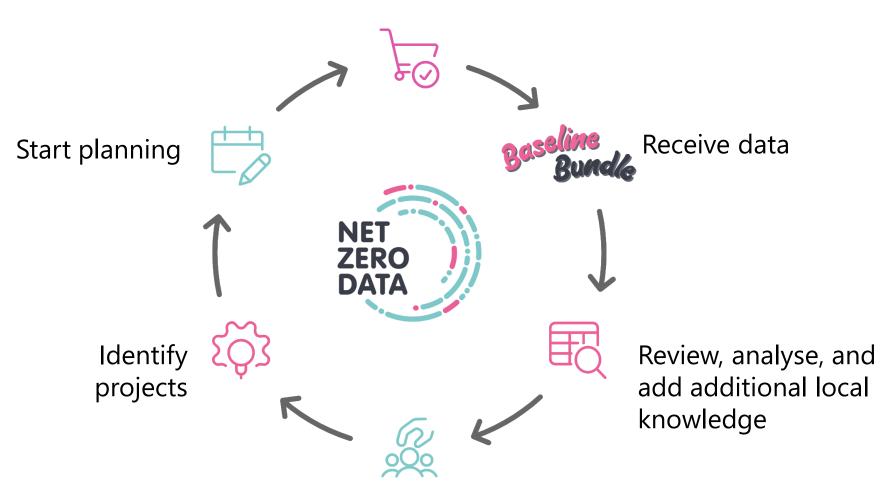




#### **Baseline Bundle: How do I use it?**







Engage stakeholders

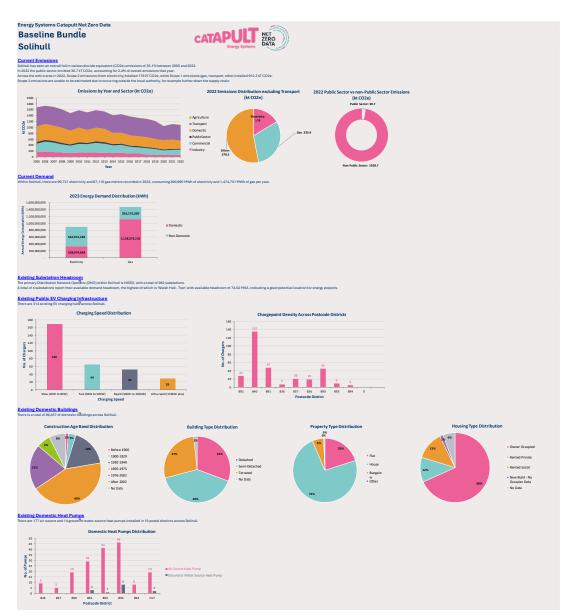


## Net Zero Data Baseline Bundle Demonstration

Sandeep Kang
Senior Product Manager
Energy Systems Catapult

## **Demonstration: Baseline Summary Report**







#### **Demonstration: Net Zero Data**





## **Decarbonisation Planning: The Solution**



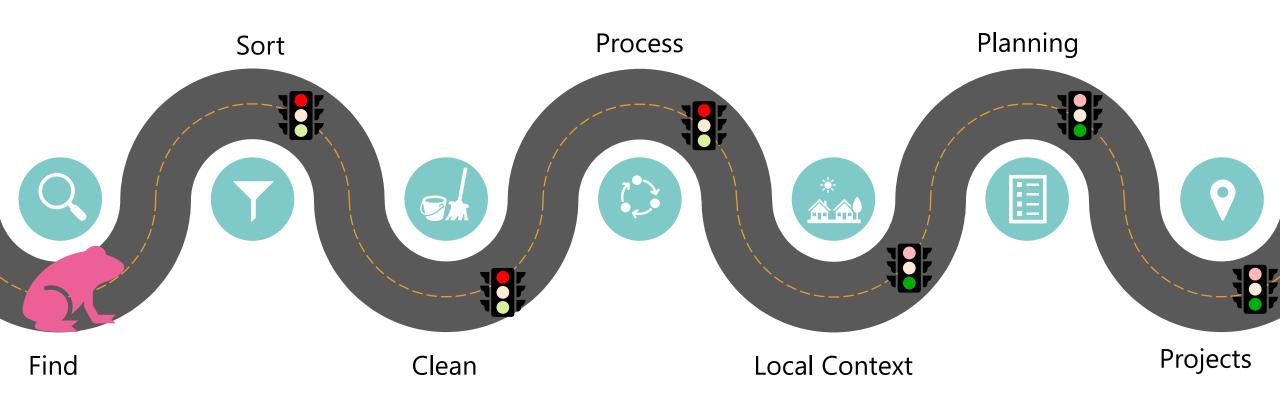






## **Decarbonisation Planning: The Solution**





#### **Net Zero Data: Datasets**



#### Potential for: Renewables and Storage







Large Scale Wind Potential - Standalone

Solar PV Ground Mount Potential - Standalone

Battery Storage - Domestic

Rooftop Solar PV Potential -Domestic

Rooftop Solar PV Potential -Non-Domestic

## Potential for: Heat





Air Source Heat Pump Potential - Domestic

Air Source Heat Pump Potential - Non-Domestic

Ground Source Heat Pump Potential - Domestic

Ground Source Heat Pump Potential - Non-Domestic

#### Potential for: Transport





Off Street Parking Potential - Domestic

Existing Chargepoint locations - Standalone

Potential locations for EV Hubs

#### **Buildings and Energy**







EPC Actual & Inferred - Domestic

Buildings & Modelled Energy Demand - Domestic

Buildings & Modelled Energy

Demand - Non-Domestic

Non-Building Energy Demand

DNO demand headroom & capacity

#### **Net Zero Data: Benefits according to our customers:**



Time saving at project initiation

Robust data source

Frees up time for local data analysis

Stakeholder engagement earlier in process

Clarity of LA role in area wide energy and Net Zero delivery

Consistency of approach across a region Efficient use of officer / consultancy time

Targeted analysis for project development

### **Baseline Bundle: How can I get it?**





www.netzeromarket.org.uk



Introductory pricing valid until 31st March '25



Available as: One-off download On-going access



For: Single LA County or Combined

