



# SUMMARY OF LAEP ACTIVITIES FOR DUNDEE, PERTH & KINROSS & OXFORDSHIRE COUNCIL

April 2023

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## RESOP

Planning Optimisation



Scottish & Southern  
Electricity Networks



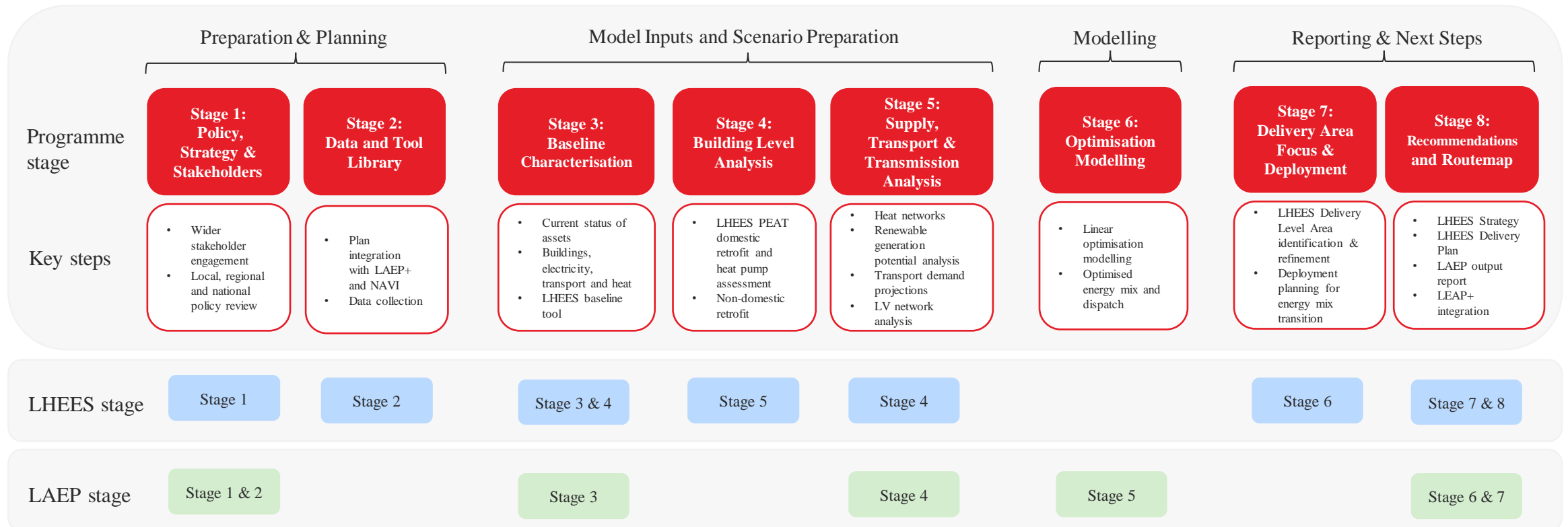
# RESOP OVERVIEW

- Dundee City Council, Perth & Kinross Council and Oxfordshire are part of RESOP or Regional Energy System Optimisation Planning, an NIA(Ofgem Networks Innovation Allowance) project that is working collaboratively with Local Authorities, Utilities (SSEN, SGN, Scottish Water) and business (Arup, Regen, Al, Derryherk).
- The aim of the project is to provide assistance to councils with their local authority energy plans (LAEP & LHEES) to help inform the optimal placement of low carbon technologies (LCTs).
- The project is designed to be collaborative, so the outputs need to have value for all parties involved.
  - Local Authorities will benefit, as they will be able to access Electricity and Gas Network data to make more informed investment decisions.
  - SGN and SSEN will benefit as they will have greater visibility of local council plans. This will help with defining investment asks during price control periods.
- The work done here can help shape the work that will be required by the proposed SSEN Whole System Co-Ordination team in RIIO-ED2
- If successful the RESOP model can be replicated for other Local Authority areas.

# LAEP and LHEES Methodology

## Alignment of our approach with LHEES and LAEP methodologies

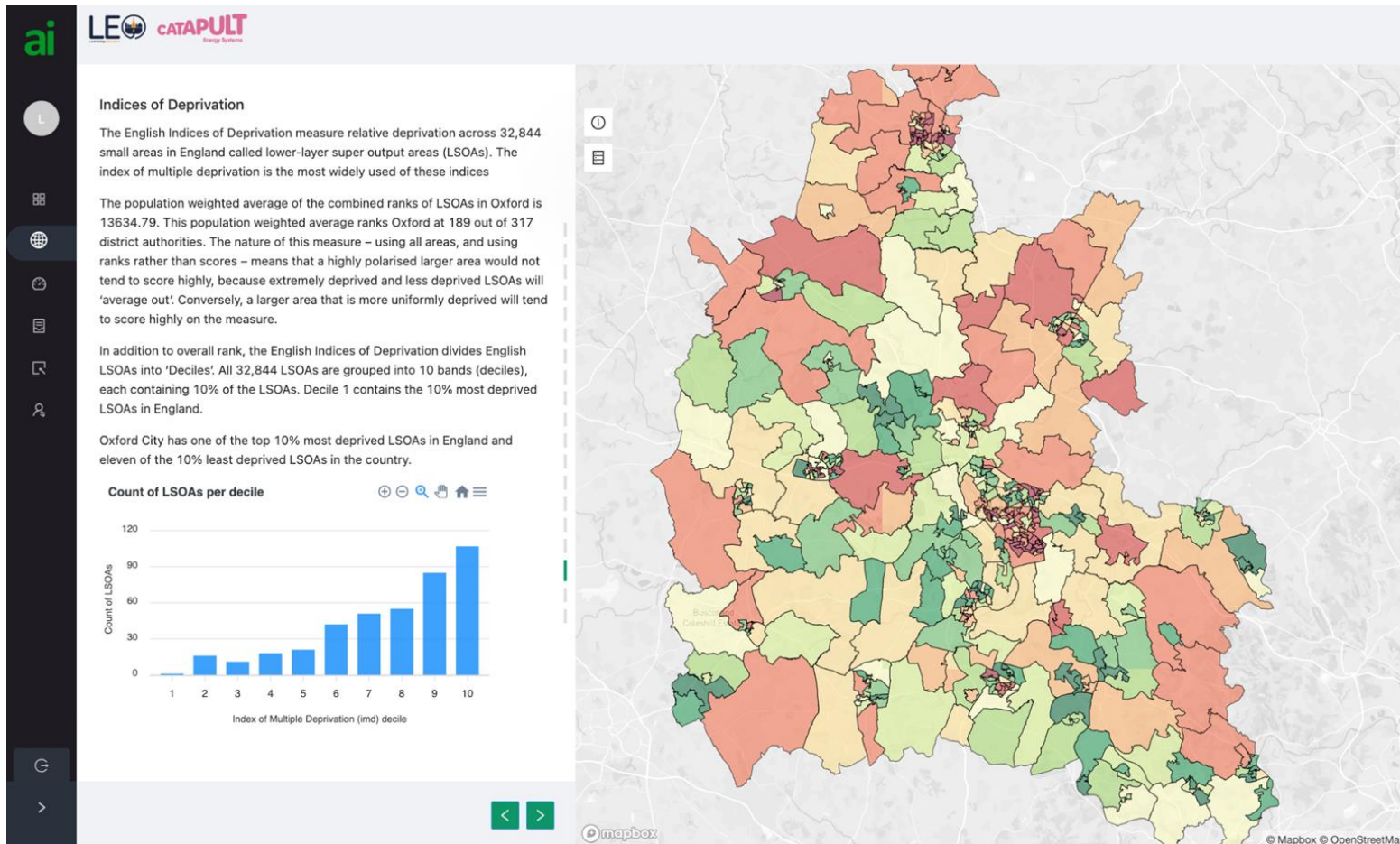
Arup are leading on the LAEP and LHEES work for both Dundee City Council and Perth & Kinross Council. Whilst there are broad similarities between the LHEES and LAEP methodologies, there are also some key steps where they diverge. Importantly, the LHEES methodology is much more prescriptive about process, outputs and the tools to be used than the LAEP methodology. The Arup approach seeks to bring these two methodologies together, to meet the requirements of both SSEN and the Council in a single integrated process. We have summarised this in the graphic below.





# LAEP+ GIS WEB VIEW

Using data from several project partners, LAEP+ can be used to support several stages of decarbonisation planning, including: understanding existing local potential for low carbon technologies like EV chargers and rooftop PV, stakeholder engagement and modelling options for the future. Local authorities can create maps, charts and dashboard to support analysis and dissemination of their decarbonisation plans.



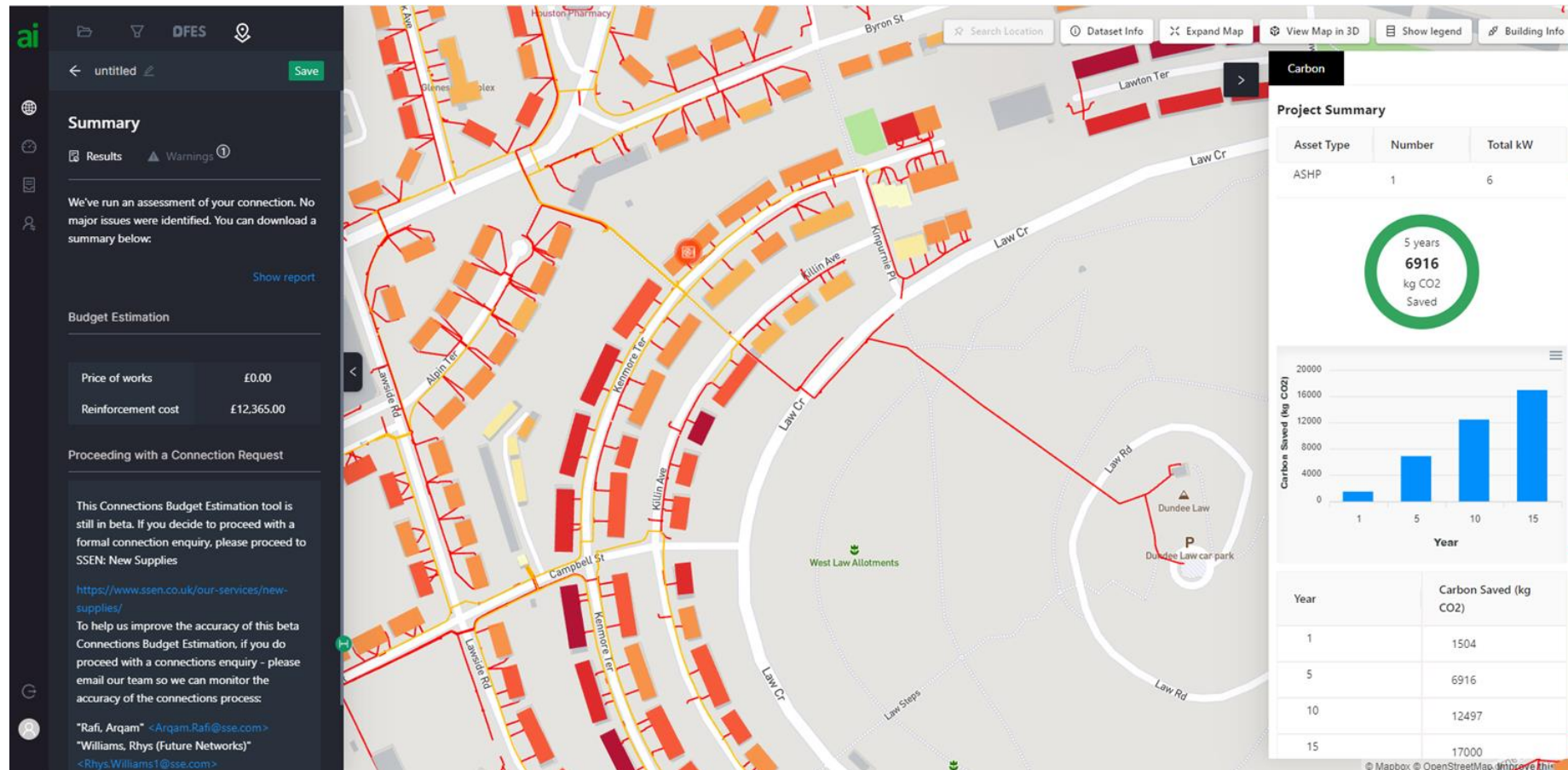




# LAEP+ GIS WEB VIEW

LAEP+ is a web GIS tool that connects via API to SSEN's Power Flow tool called Navi. The combination of these two tools allows Local Authority Planners to place energy projects using a wide range of data sets and call upon powerflow analysis to verify if capacity is available for the new connection(s). A 4 minute video demo on how to place EV chargers using LAEP+ can be found here:

<https://www.youtube.com/watch?v=wdH8XQOQW3Q>





# LAEP+ OPERATING MODEL

