

Mapping carbon emissions

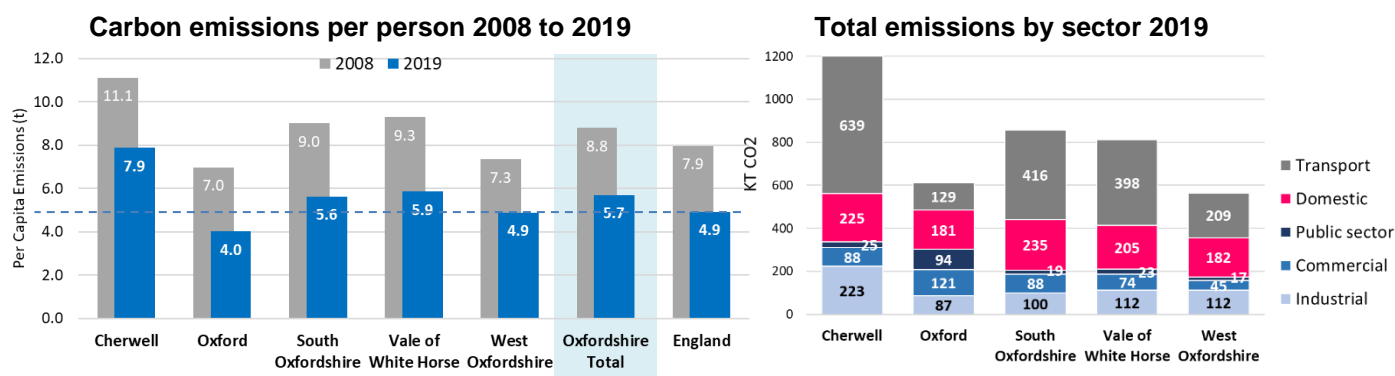
At our October 2021 [Oxfordshire Analyst Networking](#) meeting we heard about the [Pathways to a zero carbon Oxfordshire](#) roadmap and a new Energy Transition [story map](#) supporting the work of [Project LEO](#).

This bitesize shows the latest carbon emissions data for Oxfordshire's districts and local areas.

Between 2008* and 2019:

- Total carbon emissions from Oxfordshire fell by 30%. The district with the greatest drop in emissions was Oxford City, which saw a fall of 39%.
- Average carbon emissions per person of Oxfordshire residents fell by 35%, from 8.8t to 5.7t, but remain above the national average.

Average carbon emissions per person in 2019 for Cherwell district was well above both the England and Oxfordshire averages, largely as a result of emissions from transport.



BEIS UK local authority and regional carbon dioxide emissions (full dataset) published June 2021

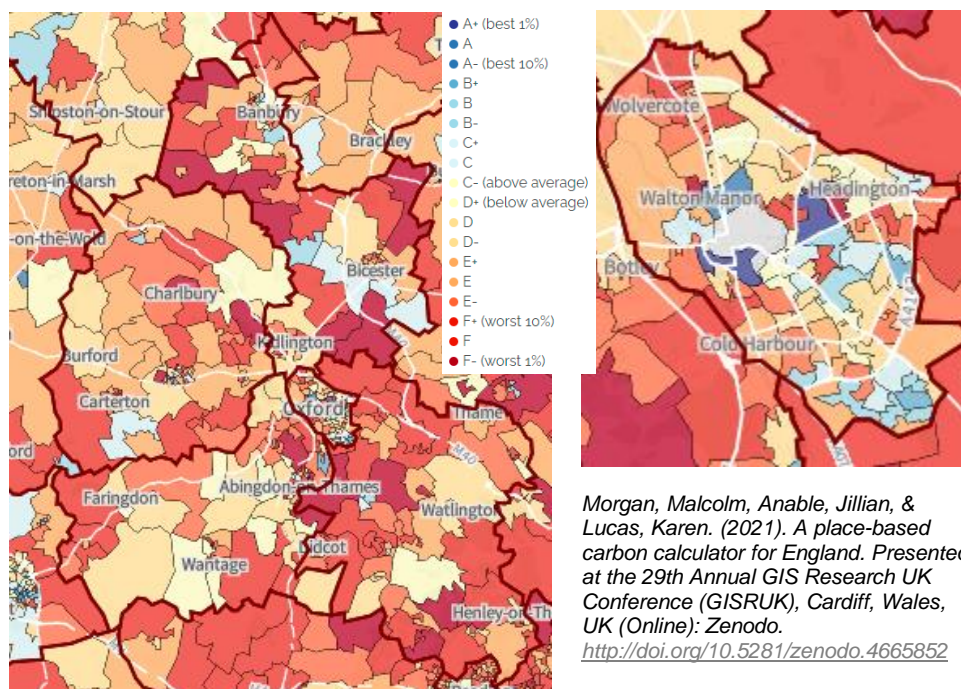
*2008 is the baseline year for the Oxfordshire Energy Strategy emission reduction target

The [Place-Based Carbon Calculator](#) estimates the average (consumption based) carbon footprint per person for each LSOA* in England.

24 of Oxfordshire's 407 LSOAs were rated in the worst 1% in England with a grading of **F-** "high emissions".

These areas of high emissions include rural parts of Cherwell and South Oxfordshire; a mix of rural and urban areas of Vale of White Horse and West Oxfordshire, and parts of North ward and Headington in Oxford City.

Estimated average annual carbon footprint per person by LSOA*



*LSOA = Lower Super Output Area with an average of 1,300 residents

Morgan, Malcolm, Anable, Jillian, & Lucas, Karen. (2021). A place-based carbon calculator for England. Presented at the 29th Annual GIS Research UK Conference (GISRUK), Cardiff, Wales, UK (Online): Zenodo.
<http://doi.org/10.5281/zenodo.4665852>

We welcome your comments, please email jsna@oxfordshire.gov.uk

Health, population, economy, crime and environmental data resources are available on [Oxfordshire Insight](#)

Information on Climate Action is available from [Oxfordshire County Council's Climate Change](#) pages