



# A UK Air Quality Reanalysis

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#### Motivations





## Observational Data

Sparse spatial coverage

Incomplete time coverage

Incomplete pollutant species records



Accuracy dependent on a wide range of inputs

Inconsistent model configurations



Coverage of whole area of interest

Coverage of a long time period

Consistent model configuration

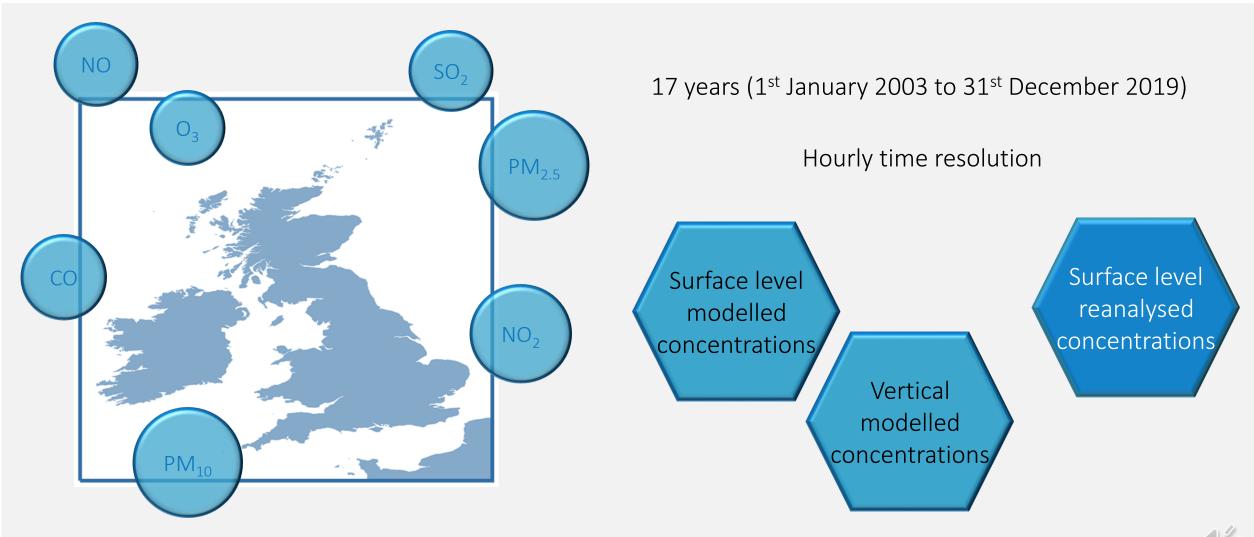
Reanalysis Data Inclusion of all species of interest

Enhanced through bias corrections using observations



### Output







### Next Steps



Advertise the dataset to potential users

Analyse the dataset to look at long term spatial and temporal trends in UK air quality

Collaborate with health scientists to perform health impact assessment studies

Publish details of the reanalysis dataset as a peer-reviewed publication

Support and advise people on how to use the data

