

CARDAT IT overview

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CARDAT technology overview

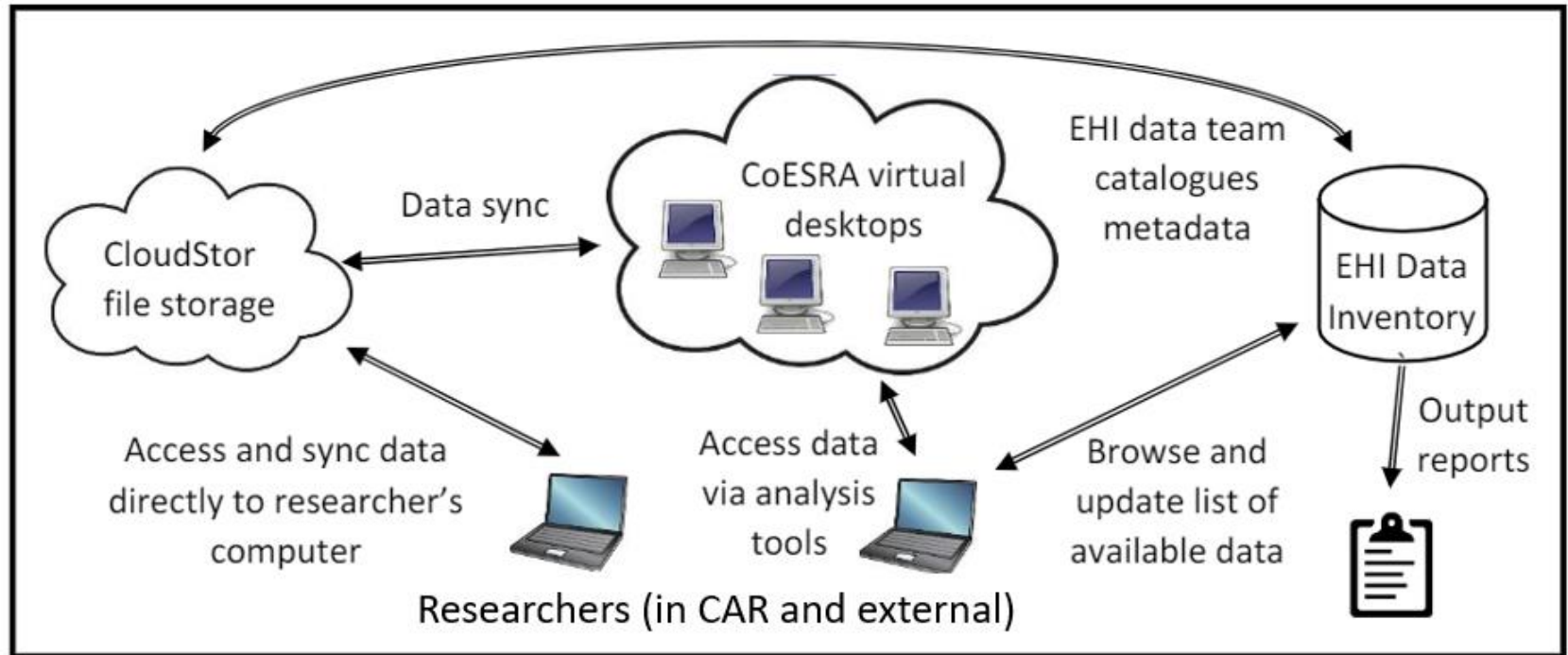
Centre for Air pollution, energy and health Research (CAR) Data Analysis Technology (DAT) is a collection of IT infrastructure that enables easy data sharing and reuse, and reproducible data analysis.

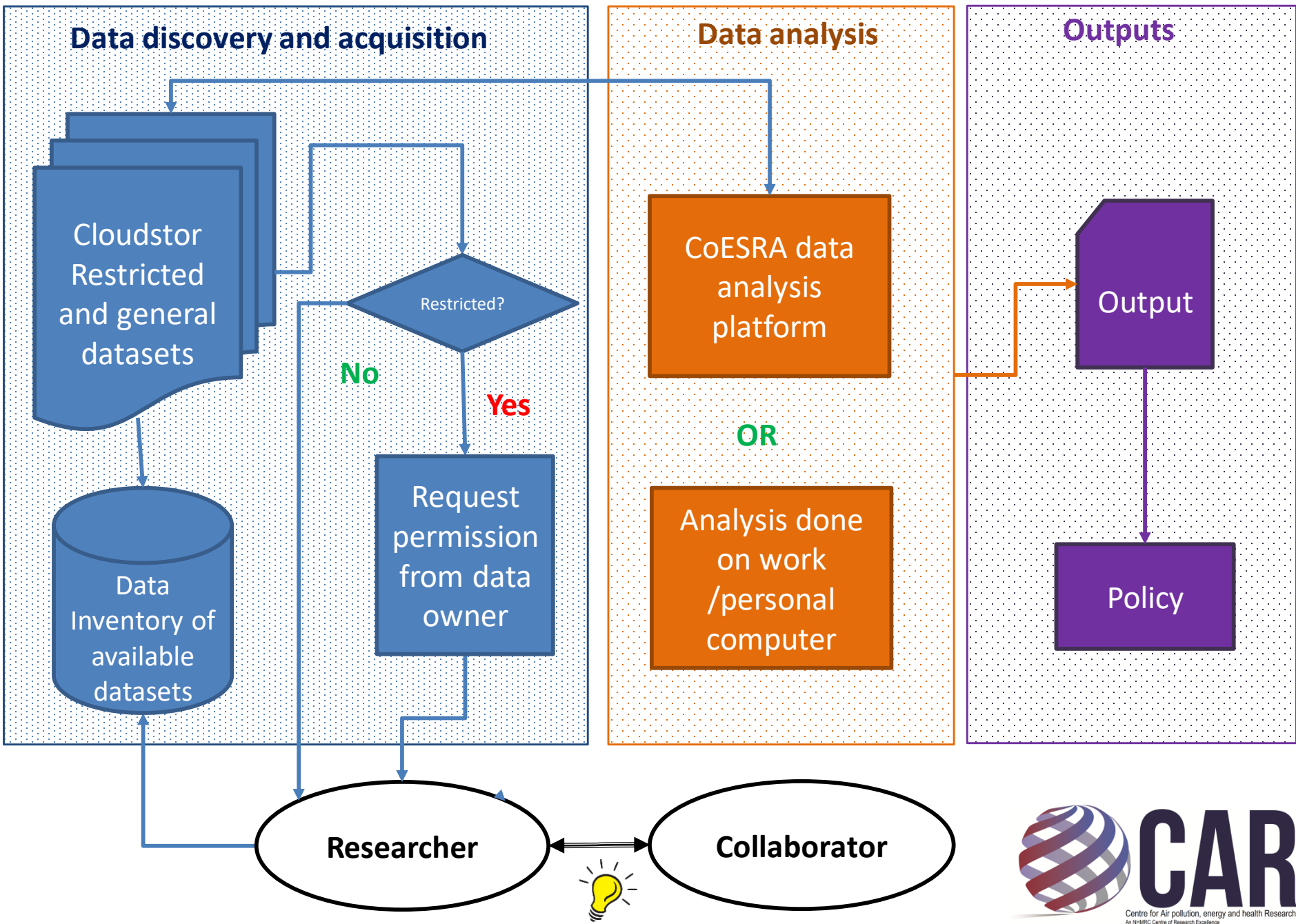
- the CAR Data Inventory (a catalogue of available datasets and their associated metadata records,
- a cloud based file store (CloudStor) which enables shared access to datasets, and the ability to sync data automatically
- an online platform for data analysis (CoESRA) which provides a secure environment for reproducible, collaborative data analysis.

CAR is an NHMRC funded Centre of Research Excellence (CRE) funded from 2017 to 2021.



An overview of the technology





Why use CoESRA

- No need to synchronise or download large dataset locally.
- Your analysis environment can be configured.
- It provides an easy way to work collaboratively on the same files, even across organisations.
- There are a range of pre-installed technologies for manipulating data (preventing issues with versions and software dependencies).
- Data analysis can be done in a reproducible and transparent way.

