

Google Cloud Platform

Google Cloud Platform (GCP) is the platform that allows us to store the data.

For the PCF project, there are 4 GCP environments:

- **DEV** (prj-carbon-footprint-dev): this environment is used by the developers to develop new features. The first tests are performed by the Product Owner (PO) on this environment.
- **UAT** (prj-carbon-footprint-test): this environment is used by the key users, via Tableau, to perform further tests to ensure that the developments are correct.
- **PRE-PROD** (prj-carbon-footprint-pre-prod): this environment is used by the DataOps team to ensure that developments pushed into production are not erroneous.
- **PROD** (prj-carbon-footprint-prod): this is the production environment and therefore allows end users to access the data via Tableau.

Each of the environments follows the same schema and is therefore composed of the following datasets:

- **STG** : Data layer identical to the source, collecting the data from Cloud Storage
- **ODS** : Data layer with latest data loaded to STG table.
- **DM** : Layer of data where the data is processed in order to model it as the business wishes.
- **WDL** : Data layer where all the tables necessary for the various calculations are stored, but which will not be used in Tableau.
- **DPL** : Views for all the tables that is used by Tableau.