

GeoAsset Project

by

Spatial Finance Initiative



[METHODOLOGY](#) ↓

Narrative

The GeoAsset project creates and disseminates open asset databases for high impact industries.

GeoAsset is building a digital footprint of the global economy by collecting openly available information on physical assets (e.g. location, ownership, capacity) and aggregating these in standardised templates.

Data Sources

Combination of manual and machine learning techniques to analyse satellite, geo-spatial and web-based datasets to extract asset-level information.

Coverage

8

High impact industries

Agriculture England
Aquaculture
Beef Abattoirs
Cement
Iron & Steel
Petrochemicals
Paper & Pulp
Waste Management

Historisation

2021: First databases

Partnership with Global Energy Monitor to keep it up to date.

One of the database: Petrochemicals (ethylene)

The **GeoAsset Petrochemicals Database** is a dataset which maps petrochemicals production assets worldwide.

Second version published in **2025**.

Information manually collected, validated and enriched **by combining information from various corporate and country specific web and map sources**.

The inventory provides information on **global production of eight “building block” chemicals**: *ethylene, propylene, and butadiene; benzene, toluene, and xylene; ammonia; and methanol*. It **includes plant-level data on location, ownership, primary and secondary chemical products, and feedstocks**.

Global coverage up to **868 plants** through joint Chemicals tracker with [Global Energy monitor](#).

Extraction

[Download here](#)
in Excel

ID = Country Code ISO 3



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