

GHG Emission Factors



Overview

DitchCarbon aggregates carbon emissions data to enable climate conscious decision making within the world's leading software providers. We help professionals avoid costly errors in calculating emissions by providing the right factors exactly where they are needed.

Clients will have access to these Emission Factors directly within Evotix via an integration API.

Clients will require a license to access the Emission Factor API and content.

Must be on Version 2023.1 or above and have a license for the Emissions Management module as a minimum.

Client will need to enter into an agreement with DitchCarbon for the Emissions Factor Content.

What Emission Factors are Available?

In our first release there are over 3000 global emissions factors covering Scope 1 & 2 all are approved for use within multiple regions.

Emission Factors will include:

- **Scope 1 emissions:**

- a. Direct Emissions from Stationary Combustion
- b. Direct Emissions from Mobile Combustion
- d. Direct Emissions from Fugitive Sources (mainly refrigerants)

Direct emissions from Process Sources and Agricultural Sources are not included in the API. If applicable, specific methodologies to account for them shall be used.

- **Scope 2 emissions:** Indirect emissions from Purchased Electricity, Steam, Heating and Cooling,
- **Energy Content of fuels**

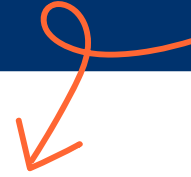
Emissions Factors cover requirements from several key markets, the EPA & DEFRA numbers are widely accepted by countries who haven't published their own.

- GHG Protocol global emission factors
- EPA – US
- Canada National Inventory Report
- DEFRA – UK
- MITECO – Spain
- NGERS – Australia
- Ministry for the Environment: New Zealand

If a set of factors are missing DitchCarbon may be able to add them.

How Often are the Factors Updated?

DitchCarbon draws data from a whole host of government and non-governmental bodies, these organizations release data on various schedules, so we monitor for changes every month to ensure the most up to date information are available for calculations.



How Does the Integration Work?

There are a lot of different elements to consider when selecting the appropriate emission factor to use when conducting a proper audit of emissions. Usually ending up with a very lengthy and cumbersome spreadsheet.

With this latest integration all the relevant emissions factors are available within the platform reducing potential for mistakes and the associated financial and reputational damage caused by inaccurate calculations.

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The API will provide a library of GHG Emission Factor References based on sources and locations setup for Emissions Management.

External Material Reference

All External Material References (186) Save Quick Filter Visualize

REGION	CATEGORY L1	CATEGORY L2	CATEGORY L3	NAME	ID
Australia, AU	Fuel combustion emission factors	Gaseous fuels		Coke oven gas	act_005a6d70ef
United States of America, US	Fuels	Petroleum Products		Butylene	act_L00ea30c331
Australia, AU	Fuel combustion emission factors	Fuels used for transport energy purposes		Biodiesel	act_L01d9295b4e
United States of America, US	Fuels	Petroleum Products		Special Naphta	act_0516e1f65b
Australia, AU	Fuel combustion emission factors	Fuel combustion emission factors - solid fuels including certain coal based products		Sulphite lyes	act_056b5226b5
United States of America, US	Fuels	Other Fuels - Gaseous		Fuel Gas	act_061241b3a7
Australia, AU	Electricity	Electricity grids		South West Interconnected System (SWIS) in Western Australia	act_06f317f453

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Customers can link their Materials used for calculating Carbon Emissions with the appropriate Emission Factor Reference set from the library.

Material Inventory

Material: MAT-0000014 Save Close New

Details

NAME: Fuel oil EXTERNAL MATERIAL REFERENCE: Fuel combustion emission factors, Fuels used for tra

DECLARED UNIT: GJ

ATTRIBUTES

LOCATION	START DATE	END DATE
All Locations	01/01/2023	31/12/2023
Australia	01/01/2022	

1 - 2 of 2 results + Add New Delete

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The system will automatically populate the GHG Emission Factors. In addition, the system will display the source of the Emissions Factors on the Materials for audibility.

How Can DitchCarbon Help With Scope 3 Emissions?

This release is an additional step to help organizations calculate Scope 1 & 2 emissions GHG Emissions using factors directly in the Emissions Management module with efficiency and minimal effort.

Scope 3 is likely the elephant in the room for organizations. The good news is that DitchCarbon offers a solution for the most complex and likely largest part of an organizations Scope 3 emissions. Purchased goods and services (category 1) can be 90% of an organization's total emissions so there

are huge consequences if these aren't tackled early in an organization's climate journey.

DitchCarbon also maintains the world's largest database of company emissions profiles. With easily available emissions information on suppliers, organizations can identify the climate villains in their supply chain who are lagging on their climate change actions and negotiate or find alternative solutions, ensuring they are compliant and can realistically achieve Net Zero targets.

Simply providing DitchCarbon with a list of suppliers and associated spend will give organizations:

- Estimated carbon emissions for an organization's supply chain.
- An emission factor to calculate carbon for individual purchases specific to each supplier.
- Supplier profiles including:

SBTi, CDP & UN
SDG participation.

Scope 1,2,3
emissions.

Category
comparisons
(find alternatives).

Decarbonization
potential based
on category.

Evotix customers who want to measure their Scope 3 emissions can leverage a range of options from spreadsheet plugins or a simple CSV import/export to report using the Metrics Management module. Evotix and DitchCarbon will advise on the best option. The out of the box API integration for Scope 3 emissions will be available in a future release.

Existing DitchCarbon content subscribers get a discount on DitchCarbon's supplier climate intelligence package.



Our solution is highly configurable, and the above forms, workflow, reports, dashboards, and integrated processes can be tailored or extended to suit your needs.



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Let's chat

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Our Evotix team is passionate about applying market leading technology to create safer, smarter workplaces, partnering with organizations that value people's safety, communities and the planet.

As safety professionals and long-term leaders in the Verdantix EHS Green Quadrant, our deep and practical insight addresses your evolving needs, helping you achieve your health, safety and sustainability goals.

Evotix: your all-around partner for the journey.

