

Scope 3 Multiplier

This document provides an overview of Scope 3 multipliers, otherwise known as GHG emission factors, and their applications. WifOR's Scope 3 multipliers enable companies to assess their Scope 3 emissions along the supply chain, applying the spend-based method recommended by the GHG Protocol.

Scope 3 Multiplier (GHG Emission Factors)

Scope 3 multiplier quantify the greenhouse gas (GHG) effects in kg triggered by spending 1 USD in a given industry and country.

The Scope 3 multipliers are different in each tier of the supply chain:

- **Tier 1:** Represents the GHG emissions occurring in the industry in which the product was bought.
- **Tier 2 and Beyond:** Captures emissions from supplier industries due to the increase in economic activity.

Scope 2 emissions (emissions from electricity suppliers) are shown separately to provide transparency about the emissions caused by electricity supply. A low share of emissions from electricity suppliers suggests a reliance on "clean energy" sources (e.g. nuclear or renewable energy), which do not pollute the atmosphere.

Please note that the Scope 3 multiplier is equal to the indirect GHG multiplier minus the Scope 2 multiplier.

Multiplier Application

To assess the impact of spending in a particular country and industry, multiply the expenditure amount by the corresponding multiplier value.

For example, if the Scope 3 multiplier for a sector is 2.0 kg / USD, then spending \$100 in that sector would result in 200 kg of greenhouse gas emissions.

