



CHEMICAL SECTOR

Developed by:
Carbon Footprint Italy
in collaboration with:



Organization Sectorial Rules




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The chemical industry covers a wide range of products and activities from upstream to downstream, from basic chemicals (mineral and organic) to soaps, cleaning products and perfumes and pharmaceutical. This includes NACE code 20 and 21.

This OSR has been developed with the involvement of:

- AIR LIQUIDE France Industrie
- CITEPA
- ECO-ACT
- MANE
- Plastics Europe
- Pôle PASS
- SANOFI
- SOLVAY
- UIC
- UIC Rhône-Alpes
- Yara France
- ADEME

ISO 14064-1:2018		SIGNIFICANT								GHG PROTOCOL			
		RELEVANCE				EXCLUDED							
		MAGNITUDE	STRATEGIC	RISKS	LEVERS TO ACT	NEGLIGIBLE	ABSENT	NO METHOD	NOT RELEVANT				
	CATEGORY 1	1.1	Direct emissions from stationary combustion	✓		✓						SCOPE 1	
		1.2	Direct emissions from mobile combustion			✓						SCOPE 1	
		1.3	Direct process emissions and removals from industrial processes				✓					SCOPE 1	
		1.4	Direct fugitive emissions from the release of GHG in anthropogenic systems				✓					SCOPE 1	
		1.5	Direct emissions and removals from land use, land use change and forestry (LULUCF)					✓				OPTIONAL INFORMATION	
	CATEGORY 2	2.1	Indirect emissions from imported electricity	✓			✓					SCOPE 2	Generation of consumed energy
		2.2	Indirect emissions from imported energy other than electricity	✓			✓					SCOPE 2	Generation of consumed energy
	CATEGORY 3	3.1	Indirect emissions from upstream transport and distribution for goods	✓	✓							SCOPE 3	Category 4: Upstream transportation and distribution
		3.2	Indirect emissions from downstream transport and distribution for goods		✓							SCOPE 3	Category 9: Downstream transportation and distribution
		3.3	Indirect emissions from employee commuting				✓					SCOPE 3	Category 7: Employee Commuting
		3.4	Indirect emissions from client and visitor transport					✓				N/A	N/A
		3.5	Indirect emissions from business travel				✓					SCOPE 3	Category 6: Business travel
	CATEGORY 4	4.1	Indirect emissions from purchased goods	✓								SCOPE 3	Category 1: Purchased goods and services & Category 3: Fuel- and energy-related activities
		4.2	Indirect emissions from capital goods	✓								SCOPE 3	Category 2: Capital goods
		4.3	Indirect emissions from the disposal of solid and liquid wastes	✓			✓					SCOPE 3	Category 5: Waste generated in operations
		4.4	Indirect emissions from the use of assets									SCOPE 3	Category 8: Upstream leased assets
		4.5	Indirect emissions from the use of other services						✓			SCOPE 3	Category 1: Purchased goods and services
	CATEGORY 5	5.1	Indirect emissions or removals from the use stage of the product							✓		SCOPE 3	Category 10: Processing of sold products & Category 11: Use of sold products
		5.2	Indirect emissions from downstream leased assets	✓							✓	SCOPE 3	Category 13: Downstream leased assets
		5.3	Indirect emissions from end of life stage of the product	✓	✓							SCOPE 3	Category 12: End-of-life treatment of sold products
		5.4	Indirect emissions from investments					✓				SCOPE 3	Category 15: Investments
	CATEGORY 6	6	Indirect GHG emissions from other sources								✓	N/A	N/A





The value of OSRs

One of the most important differences between ISO 14064-1 and the GHG Protocol is the requirement to include all the “significant” indirect GHG emissions in the GHG inventory of the organization, often called Carbon Footprint of Organization, or CFO. The purpose of this requirement is to develop CFOs able to represent in a more transparent and reliable way the GHG exposure and impact on climate change of any organization.

The identification of the significant GHG emissions requires the establishment by the organization of a specific assessment methodology. This implies the possibility to adopt a multitude of approaches within the same sector and the risk of creating inconsistent boundaries that would threaten any comparability between CFOs.

For this reason, ADEME, the French Environmental Agency, involved several interested parties to develop a common approach on the indirect GHG significance in many sectors.

OSRs also provide support to companies of a specific business sector to get aligned with UN HLEG recommendations by identifying the significant GHG categories to be included in their annual GHG disclosures. It shall be noted that most of the transition plans disclosure frameworks – such as ISSB, EFRAG, ESRS E1, UK TPT and GFANZ – require Scope 1, 2 AND 3 disclosure.

OSR use within other programme operators

Carbon Footprint Italy believes in the importance of sharing experiences for accelerating the climate transition, and considers the different Programme Operators as organizations that shall cooperate in this direction.

For this reason CFI makes this OSR freely available to any organization for their CFO quantification, and openly invites other Programme Operators to adopt it in their rules programme, quoting the original source of the know-how (namely: “OSR Chemical Sector, Rev. 00, date of issue 01/07/2023, developed by Carbon Footprint Italy in collaboration with ADEME”).

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