

# GALP SASB Reporting

Oil & Gas Standards

2020



Leading today's  
energy into our

*future*

# Galp – SASB Reporting 2020

## Oil & Gas Standards<sup>1</sup>

Key:

IMR 2020: Integrated Management Report 2020

<sup>1</sup>: verified by third-party

SASB Code	Metrics	2020	Sources	Comments
<b>Greenhouse gas emissions</b>				
EM-EP-110a.1 EM-MD-110a.1 EM-RM-110a.1	Gross Global Scope 1 emissions (mtCO <sub>2</sub> e)	3.1 <sup>i</sup>	<a href="#">IMR 2020-5.3 Approach to climate change</a>	
EM-EP-110a.1 EM-MD-110a.1	Scope 1, percentage methane (%)	0.14 <sup>i</sup>	-	
EM-EP-110a.1 EM-MD-110a.1 EM-RM-110a.1	Scope 1, percentage covered under emissions-limiting regulations (%)	99 <sup>i</sup>	-	
EM-EP-110a.2	Amount of gross global Scope 1 emissions from flared hydrocarbons (ktCO <sub>2</sub> e)	116.44 <sup>i</sup>	-	
	Amount of gross global Scope 1 emissions from other combustion (ktCO <sub>2</sub> e)	2121.09 <sup>i</sup>	-	
	Amount of gross global Scope 1 emissions from process emissions (ktCO <sub>2</sub> e)	858.71 <sup>i</sup>	-	
	Amount of gross global Scope 1 emissions from other vented emissions (ktCO <sub>2</sub> e)	0 <sup>i</sup>	-	
	Amount of gross global Scope 1 emissions from fugitive emissions (ktCO <sub>2</sub> e)	0.16 <sup>i</sup>	-	
EM-EP-110a.3	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	-	<a href="#">IMR 2020 -5.3 Approach to climate change</a>	
<b>Air quality</b>				
EM-EP-120a.1 EM-MD-120a.1 EM-RM-120a.1	Air emissions of the following pollutants: NO <sub>x</sub> (excluding NO <sub>2</sub> ) (t)	1384 <sup>i</sup>	<a href="#">IMR 2020 -5.5 Reducing the ecological footprint</a>	
	Air emissions of the following pollutants: SO <sub>x</sub> (t)	1113 <sup>i</sup>	<a href="#">IMR 2020 -5.5 Reducing the ecological footprint</a>	
	Air emissions of the following pollutants: volatile organic compounds (VOCs) (t)	-	<a href="#">Interactive environmental indicators</a>	
	Air emissions of the following pollutants: particulate matter (t)	182 <sup>i</sup>	<a href="#">IMR 2020 -5.5 Reducing the ecological footprint</a>	
EM-RM-120a.12	Number of refineries in or near areas of dense population	1		Matosinhos refinery
<b>Water management</b>				
EM-EP-140a.1 EM-RM-140a.1	Total fresh water withdrawn (thousand m <sup>3</sup> )	9.881 <sup>i</sup>	<a href="#">IMR 2020 -5.5 Reducing the ecological footprint</a> <a href="#">GRI 2020 (303-5)</a>	
	Percentage of fresh water withdrawn in regions with High or Extremely High Baseline Water Stress (%)	0.051 <sup>i</sup>	<a href="#">IMR 2020 -5.5 Reducing the ecological footprint</a> <a href="#">GRI 2020 (303-5)</a>	
	Total fresh water consumed (thousand m <sup>3</sup> )	3.968 <sup>i</sup>	<a href="#">GRI 2020 (303-5)</a>	
	Percentage of fresh water consumed in regions with High or Extremely High Baseline Water Stress (%)	0.126 <sup>i</sup>	<a href="#">GRI 2020 (303-5)</a>	

<sup>1</sup> The table contains a SASB code column to identify common reporting elements between the related SASB Standards. As reflected in the table, Galp currently discloses data on a number of issues recommended in the SASB Oil & Gas Exploration & Production, Midstream and Refining and Marketing Standards. The Exploration and Production indicators refers to blocks operated by Galp.

SASB Code	Metrics	2020	Sources	Comments
EM-EP-140a.2	Volume of produced water and flowback generated (thousand m³)	n.a.	-	The water produced by the "Upstream" segment occurs only in blocks not operated by Galp
	Percentage discharged (%)			
	Percentage injected (%)			
	Percentage recycled (%)			
	Hydrocarbon content in discharged water (t)			
EM-EP-140a.3	Percentage of hydraulically fractured wells for which there is public disclosure of all fracturing fluid chemicals used (%)	n.a.	-	Not applicable to Galp.
EM-EP-140a.4	Percentage of hydraulic fracturing sites where ground or surface water quality deteriorated compared to a baseline (%)	n.a.	-	Not applicable to Galp.
EM-RM-140a.2	Number of incidents of non-compliance associated with water quality permits, standards, and regulations	0 <sup>i</sup>	GRI 2020 (307-1)	Galp didn't submit any files, enforcement orders, and/or penalties for water-related regulatory violations
<b>Hazardous Materials Management</b>				
EM-RM-150a.1	Amount of hazardous waste generated (t)	21.701 <sup>i</sup>	GRI 2020 (306-3)	
	Percentage recycled (%)	46.4% <sup>i</sup>	GRI 2020 (306-3)	
EM-RM-150a.2	Number of underground storage tanks (USTs)	5127	-	Galp has 5127 UST in gas stations located in Portugal and Spain. Galp also has the SIGÁS Propane Cave which is an underground storage facility with an installed capacity of 80 x 103m³, proceeding to the storage and movement of LPG through pipelines.
	Number of UST releases requiring cleanup	0	-	In 2020, no UST releases requiring cleanup were reported
	Percentage in states with UST financial assurance funds (%)	n.a.	-	In 2020, no UST incidents were reported
<b>Biodiversity and Ecological Impacts</b>				
EM-EP-160a.1 EM-MD-160a.1	Description of environmental management policies and practices for active sites	-	IMR 2020 – 5.5 Reducing the ecological footprint (Protection of habitats and species)	
EM-EP-160a.2 EM-MD-160a.4	Number of hydrocarbon spills	7 <sup>i</sup>	IMR 2020 – 5.5 Reducing the ecological footprint	7 primary containment losses that impacted the environment
	Volume of hydrocarbon spills (bbls)	1901 <sup>i</sup>	IMR 2020 – 5.5 Reducing the ecological footprint	302.3 m³ of primary containment losses that impacted the environment
	Volume in Arctic (bbls)	0		
	Volume impacting shorelines with ESI rankings 8-10 (bbls)	0		
	Volume in Unusually Sensitive Areas (USAs) (bbls)	0		
	Volume recovered (bbls)	6928.4 <sup>i</sup>		Total volume recovered of 11,011,520 litres
EM-EP-160a.3	Percentage of proved reserves in or near sites with protected conservation status or endangered species habitat (%)	1.2%	IBAT 2020 – Identification of Protected and Significant Biodiversity Areas	There is one E&P block in situ and within a 5km radius from a sensitive area IUCN IV
	Percentage of probable reserves in or near sites with protected conservation status or endangered species habitat (%)	n.a.	-	Galp doesn't disclose this information for probable reserves
EM-MD-160a.2	Percentage of land owned, leased, and/or operated within areas of protected conservation status or endangered species habitat (%)	42%	IBAT 2020 – Identification of Protected and Significant Biodiversity Areas	Only 3,5% of Galp's sites are within a sensitive area. The 42% includes all sites near areas of importance for biodiversity.
EM-MD-160a.3	Terrestrial acreage disturbed (ac)	0		

SASB Code	Metrics	2020	Sources	Comments
	Percentage of impacted area restored (%)	0		
<b>Security, Human Rights &amp; Rights of Indigenous Peoples</b>				
EM-EP-210a.1	Percentage of proved reserves in or near areas of conflict (%)	0	-	
	Percentage of probable reserves in or near areas of conflict (%)	0	-	
EM-EP-210a.2	Percentage of proved reserves in or near indigenous land (%)	0	-	
	Percentage of probable reserves in or near indigenous land (%)	0	-	
EM-EP-210a.3	Discussion of engagement processes and due diligence practices with respect to human rights, indigenous rights, and operation in areas of conflict	-	IMR 2020 – 5.6 <u>Developing a conscious business</u> (Addressing Human Rights)	
<b>Community Relations</b>				
EM-EP-210b.1	Discussion of process to manage risks and opportunities associated with community rights and interests	-	IMR 2020, 5.4 <u>People at the centre</u> (Impact on the Community)  HSSE Specific Requirements in Projects	
EM-EP-210b.2	Number and duration of non-technical delays	0		
<b>Workforce Health &amp; Safety</b>				
EM-EP-320a.1 EM-RM-320a.1	Total recordable incident rate (TRIR)	1.0 <sup>i</sup>	IMR 2020 – 5.6 <u>Developing a conscious business</u> (Protecting People and Assets)	Galp reports Total recordable incident count / million hours worked
	Fatality rate	0 <sup>i</sup>	IMR 2020 – 5.6 <u>Developing a conscious business</u> (Protecting People and Assets)	
	Near miss frequency rate (NMFR)	2.6	<u>Galp: Incident Management</u>	Galp reported 71 near misses
	Near miss frequency rate (NMFR) for full-time employees	n.a.	-	
	Near miss frequency rate (NMFR) for contract employees	n.a.	-	Galp doesn't disclose this information
	Near miss frequency rate (NMFR) short-service employees	n.a.	-	
	Average hours of health, safety, and emergency response training for full-time employees (h)	37,898 <sup>i</sup>	IMR 2020 – 5.6 <u>Developing a conscious business</u> (Protecting People and Assets)	
	Average hours of health, safety, and emergency response training for contract employees (h)	n.a.	-	Galp doesn't disclose this information
	Average hours of health, safety, and emergency response training for short-service employees (h)	n.a.	-	Galp doesn't disclose this information
	Discussion of management systems used to integrate a culture of safety	-	<u>Health, Safety and Environmental Policy</u>  IMR 2020 – 5.2 <u>Transformation with responsibility</u> (Management's commitment); IMR 2020 – 5.6 <u>Developing a conscious business</u> (Protecting People and Assets)  HSSE Specific Requirements in Projects	In 2020, once again, the operational excellence of Galp's integrated management was recognised through the certification of its Integrated Management System for Environment, Quality, Safety, Energy and Social Responsibility. Galp is committed to comply, in all its activities and geographies, with the applicable legislation and regulations on Safety, Health and Environment.

SASB Code	Metrics	2020	Sources	Comments
<b>Product Specifications &amp; Clean Fuel Blends</b>				
EM-RM-410a.1	Percentage of Renewable Volume Obligation (RVO) met through production of renewable fuels (%)	-	<a href="#">IMR 2020 – 3.4 Refining &amp; Midstream</a> (Biofuels)	In 2020, Galp complied with the Renewable Energy Directive (RED), incorporating 10% biofuels in its energy content in Portugal, and 8.5% in Spain.
	Percentage of Renewable Volume Obligation (RVO) met through purchase of “separated” renewable identification numbers (RIN) (%)	-	<a href="#">IMR 2020 – 3.4 Refining &amp; Midstream</a> (Biofuels)	
EM-RM-410a.2	Total addressable market (€)	n.a.	-	Information not available for 2020
	Share of market for advanced biofuels and associated infrastructure (%)	n.a.	-	Information not available for 2020
<b>Reserves Valuation &amp; Capital Expenditures</b>				
EM-EP-420a.1	Sensitivity of hydrocarbon reserve levels to future price projection scenarios that account for a price on carbon emissions (MMbbls)	-	<a href="#">IMR 2020 – 2. Strategic Framework</a>	
EM-EP-420a.2	Estimated carbon dioxide emissions embedded in proved hydrocarbon reserves (tCO <sub>2</sub> )	-	-	Galp doesn't disclose this information
EM-EP-420a.3	Amount invested in renewable energy (m€)	350 <sup>i</sup>	<a href="#">IMR 2020 – 4.4 Capital Expenditure</a>	
	Revenue generated by renewable energy sales (m€)	n.a.	-	Information not available for 2020
EM-EP-420a.4	Discussion of how price and demand for hydrocarbons and/or climate regulation influence the capital expenditure strategy for exploration, acquisition, and development of assets	-	<a href="#">IMR 2020 – 2. Strategic Framework</a>	
<b>Business Ethics &amp; Transparency</b>				
EM-EP-510a.1	Percentage of proved reserves in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index (%)	n.a.	-	Galp doesn't have Exploration and Production activities in any country that has of the 20 lowest rankings in Transparency International's Corruption Perception Index
	Percentage of probable reserves in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index (%)	n.a.	-	
EM-EP-510a.2	Description of the management system for prevention of corruption and bribery throughout the value chain	-	<a href="#">Corruption Prevention Policy</a> <a href="#">IMR 2020 – 5.6 Developing a conscious business</a> (Culture of transparency and ethics)	Galp is committed to monitor the evolution of best practices on the prevention of corruption risk in order to achieve continuous improvement.
<b>Competitive Behaviour</b>				
EM-MD-520a.1	Total amount of monetary losses as a result of legal proceedings associated with federal pipeline and storage regulations (€)	0 <sup>i</sup>	<a href="#">GRI 2020</a> (419-1)	Galp has 0 cases identified of Non-conformities with laws and regulations in the socioeconomic area.
<b>Pricing Integrity &amp; Transparency</b>				
EM-RM-520a.1	Total amount of monetary losses as a result of legal proceedings associated with price fixing or price manipulation (€)	0 <sup>i</sup>	<a href="#">GRI 2020</a> (419-1) <a href="#">GRI 2020</a> (206-1)	Galp has 0 cases identified of Non-conformities with laws and regulations in the socioeconomic area.
<b>Management of the Legal &amp; Regulatory Environment</b>				
EM-EP-530a.1 EM-RM-530a.1	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	-	<a href="#">Stakeholder engagement</a>	
<b>Critical Incident Risk Management</b>				
EM-EP-540a.1 EM-RM-540a.1	Process Safety Event (PSE) rates for Loss of Primary Containment (LOPC) of greater consequence (Tier 1)	0.07 <sup>i</sup>	<a href="#">IMR 2020 – 5.6 Developing a conscious business</a> (Protecting People and Assets)	Galp reports Total Tier 1 PSE count / million hours worked
EM-RM-540a.1	Process Safety Event (PSE) rates for Loss of Primary Containment (LOPC) lesser consequence (Tier 2)	0.48 <sup>i</sup>	<a href="#">IMR 2020 – 5.6 Raising a conscious business</a>	Galp reports Total Tier 2 PSE count / million hours worked

SASB Code	Metrics	2020	Sources	Comments
			(Protecting People and Assets)	
EM-EP-540a.2	Description of management systems used to identify and mitigate catastrophic and tail-end risks	-	<u>Prevention, detection, control and mitigation of accidents</u>	
EM-RM-540a.2	Challenges to Safety Systems indicator rate (Tier 3)	1.52 <sup>i</sup>	<u>GRI 2020</u> (OG 13)	Galp reports Total Tier 3 PSE count / million hours worked
EM-RM-540a.3	Discussion of measurement of Operating Discipline and Management System Performance through Tier 4 Indicators	-		Galp doesn't publicly disclose this information
<b>Operational Safety, Emergency Preparedness &amp; Response</b>				
EM-MD-540a.1	Number of reportable pipeline incidents	n.a.	-	Galp doesn't disclose this information
	Percentage of significant reportable pipeline incidents (%)	n.a.	-	
EM-MD-540a.2	Percentage of natural gas pipelines inspected (%)	n.a.	-	Galp Midstream doesn't have natural gas pipelines.
	Percentage of hazardous liquid pipelines inspected (%)	n.a.	-	
EM-MD-540a.3	Number of accident releases from rail transportation	-	-	Galp doesn't disclose this information
	Number of nonaccident releases (NARs) from rail transportation	-	-	Galp doesn't disclose this information
EM-MD-540a.4	Discussion of management systems used to integrate a culture of safety and emergency preparedness throughout the value chain and throughout project lifecycles	-	<u>Health, Safety and Environmental Policy</u> <u>IMR 2020 – 5.6 Developing a conscious business</u> (Protecting People and Assets) <u>Galp: Incident Management</u>	Galp is committed to create conditions for the organization to remain continuously prepared to respond to emergencies in an effective manner.
<b>Activity Metrics</b>				
EM-EP-000.A	Production of oil (kboepd)	116.9	<u>IMR 2020 – 3.2 Upstream</u> (Production overview for 2020)	
	Production of natural gas (kboepd)	13.1	<u>IMR 2020 – 3.2 Upstream</u> (Production overview for 2020)	
	Production of synthetic oil (Mbbl/day)	n.a.	-	Not applicable
	Production of synthetic gas (MMscf/day)	n.a.	-	Not applicable
EM-EP-000.B	Number of offshore sites	41 <sup>i</sup>	<u>IMR 2020 – 3.2 Upstream</u> (Upstream project portfolio by the end of 2020)	
EM-EP-000.C	Number of terrestrial sites	1 <sup>i</sup>	<u>IMR 2020 – 3.2 Upstream</u> (Upstream project portfolio by the end of 2020)	
EM-MD-000.A	Total metric ton kilometers of natural gas transported, by mode of transport	n.a.		Value not available.
	Total metric ton kilometers of crude oil transported, by mode of transport	n.a.	-	The transportation of crude oil is made by a third-party.
	Total metric ton kilometers of refined petroleum products transported, by mode of transport	n.a.	-	Value not available.
EM-RM-000.A	Refining throughout of crude oil and other feedstocks (mboe)	87.1 <sup>i</sup>	<u>IMR 2020 – 3.4 Refining &amp; Midstream</u> (2020 Highlights)	
EM-RM-000.B	Refining operating capacity (million bpd)	0.330 <sup>i</sup>	<u>IMR 2020 – 1.2 Value creation model</u> (Business segments)	

<sup>i</sup> Verified by third-party