

## GREENHOUSE GAS EMISSIONS OF THE ORLEN UNIPETROL GROUP 2022

**ORLEN Unipetrol Group** is expanding its sustainability reporting framework to include scope 1, 2, 3 emissions, enabling it to quantify greenhouse gas emissions across the value chain. Accordingly, the published information of the ORLEN Unipetrol group will include not only direct emissions from its production processes, but also those generated by suppliers and emissions related to the use of the group's products by end users.

2022 (tCO <sub>2</sub> e)	
<b>Scope 1</b>	<b>4 347 577</b>
<b>Scope 2</b>	<b>378 834</b>
<b>Scope 3</b>	<b>20 835 954</b>
Category 1. - Purchased raw materials and services	
Category 3. - Fuel and energy related activities not covered by Scope 1 and 2	
Category 4. - Upstream transportation and distribution	
Category 5. - Waste generated in operations	
Category 6. - Business travel	
Category 9. - Downstream transportation and distribution	
Category 10. - Processing of sold products	
Category 11. - Use of sold products	

**Scope 1** - direct emissions from fuel combustion in company - owned or controlled sources or from industrial processes and refrigerant leaks. For **the entire ORLEN group**, scope 1 accounts for about 20% of total emissions.

**Scope 2** - indirect emissions from the consumption of imported (purchased or externally supplied) electricity, heat, process steam and cooling (greenhouse gas emissions physically occur at the place of energy production). For **the entire ORLEN group**, scope 2 accounts for about 1% of total emissions.

**Scope 3** - other indirect emissions generated across the value chain, for example from end-user use of products, production of raw materials or intermediate products, waste management, transport of raw materials and products, or business travel. For **the entire ORLEN group**, scope 3 accounts for about 80% of total emissions.