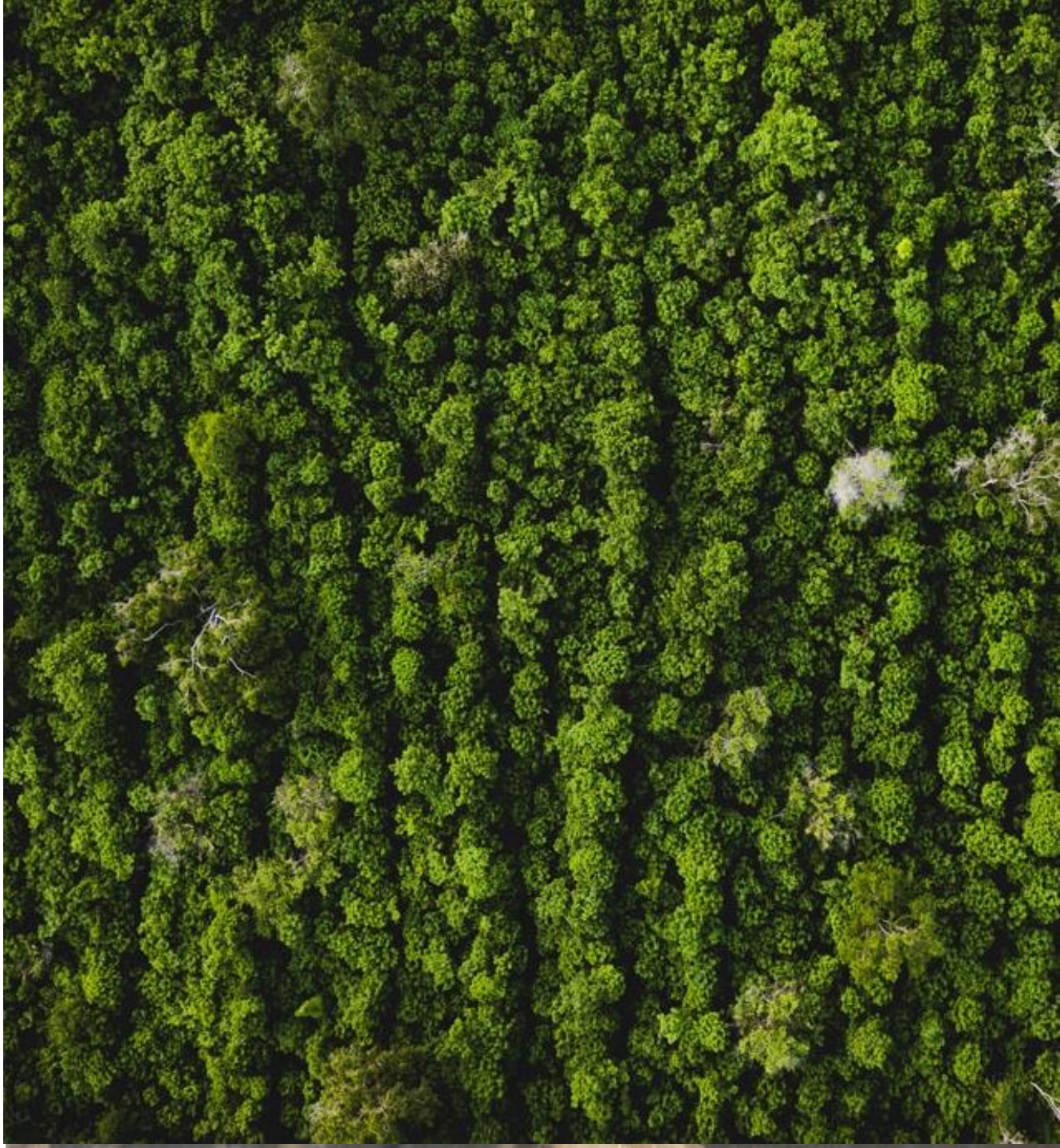
ASSESSMENT OF GREENHOUSE GAS EMISSIONS

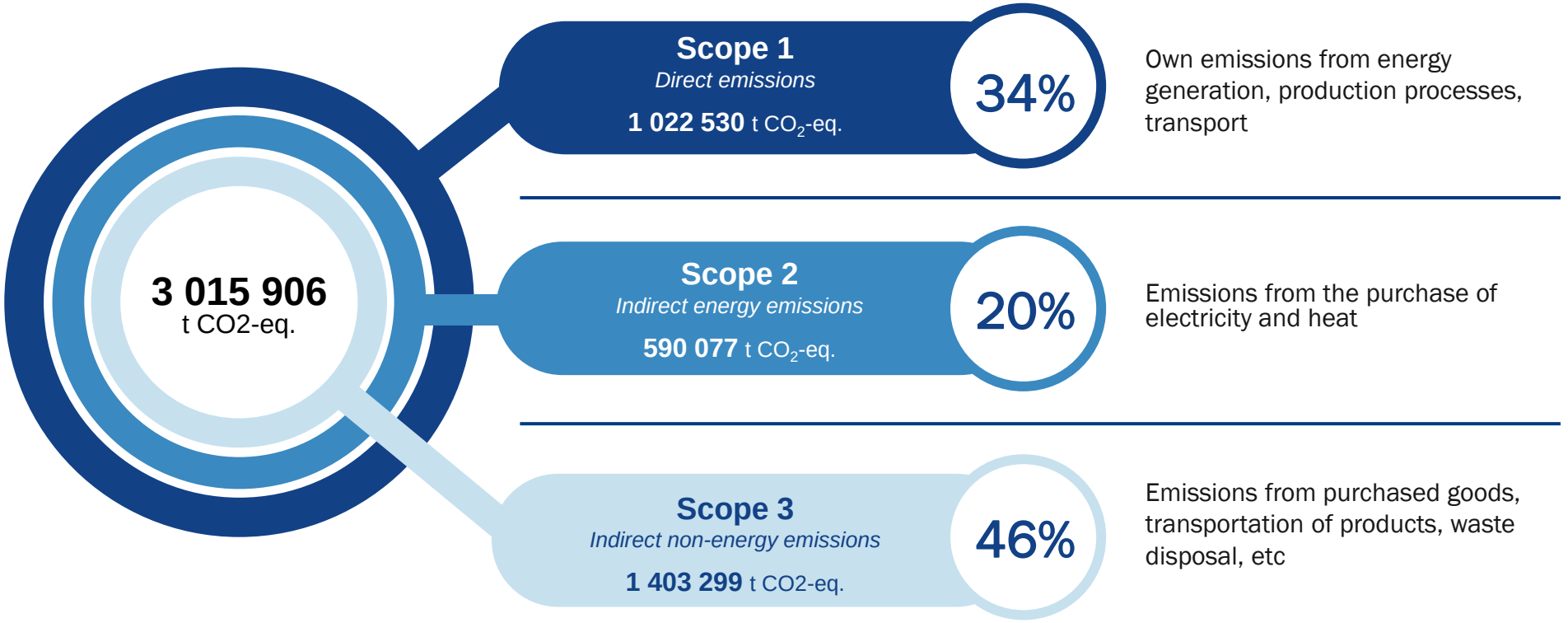
Moscow 2022

URALKALI



QUANTITATIVE ASSESSMENT OF EMISSIONS

GREENHOUSE GAS EMISSIONS SCOPE 1,2,3 IN 2021



EMISSIONS ARE CALCULATED IN CO_2-EQ. FOR GASES:

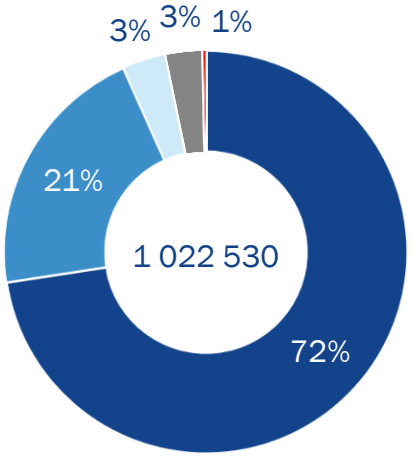
- CO_2 — Carbon dioxide
- CH_4 — Methane
- N_2O — Nitric oxide

CALCULATION BOUNDARIES: – PJSC Uralkali
– Uralkali subsidiaries

Note: The results of the Scope 1, 2 greenhouse gas emissions assessment were verified as part of the ESG-report 2021

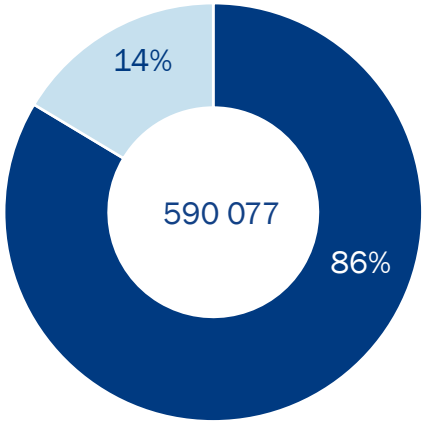
GREENHOUSE GAS EMISSIONS AND CARBON FOOTPRINT

SCOPE 1 (34%), 2021



	t CO2-eq.
Natural gas	742 127
Associated gas	212 076
Fuel oil	35 569
Diesel	29 678
Other fuels	3 080

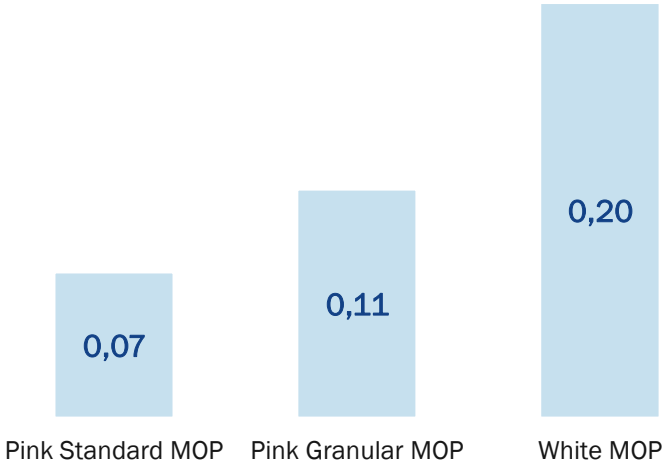
SCOPE 2 (20%), 2021



	t CO2-eq.
Electricity*	506 379
Heat	83 697

*In 2021, 14 million kWh of electricity was purchased from renewable energy facilities, which is about 1% of the total purchase of electric energy

Carbon footprint of Uralkali products*, 2021



– **Product carbon footprint** – the sum of emissions and removals of greenhouse gases in the production process, expressed as CO_2-eq., and based on an assessment of the product life cycle using one impact category - climate change

– Unlike the specific indicator, only emissions directly related to **production activities** are taken into account when calculating PCF (for example, electricity consumption for heating office buildings, etc. is not taken into account)

– The carbon footprint of the White MOP is higher than the carbon footprint of other types of fertilisers, since its production process consumes higher thermal energy quantities

* The carbon footprint of products assessed by cradle-to-gate

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