

# **INTER- NATIONAL CLIMATE FOOTPRINT**

**Fiscal year 2019 & 2020**

**Our  
actions  
do the  
talking.**



**Kaufland**

## Introduction

Climate change is man-made and must be solved by all of us together. At Kaufland, we are facing up to this responsibility – and making climate protection a focus of our sustainability strategy.

In August 2020, the Schwarz Group, representing all parts of the company, officially joined the Science Based Target Initiative and committed to formulating scientifically validated climate targets, so-called science-based targets. In this way, Kaufland is making an important contribution to achieving the Paris climate agreement to limit global warming to 1.5 degrees Celsius. We are pursuing the approach of first avoiding emissions, then reducing them and, where not otherwise possible, offsetting them.

By joining the Science Based Target Initiative, it is no longer sufficient to only partially determine the emissions of our Scope 3. For this reason, we have completed emissions from upstream and downstream value chains from our 2019 baseline.

Newly added categories:

- 3.1 Purchased goods (assortment items).
- 3.6 Business travel
- 3.7 Employee commuting
- 3.11 Use of products sold
- 3.12 Handling of sold products at the end of their life cycle

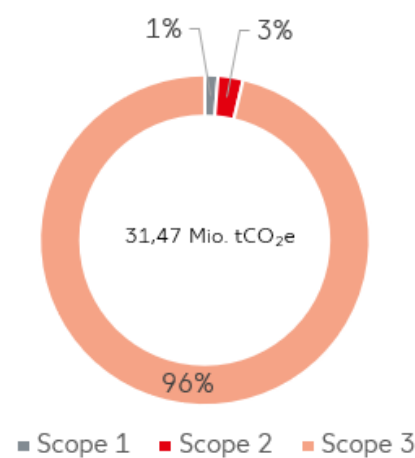
## Overview Kaufland greenhouse gas (GHG) emissions 2019 (as of summer 2021).

Fiscal year <sup>1</sup> 2019, the **absolute greenhouse gas emissions** of the Kaufland International group of companies amount **to 31.5 million tons of CO<sub>2</sub> equivalents**, based on a total of 7.2 million m<sup>2</sup> of sales floor space<sup>2</sup> The largest absolute GHG emission results from the balance sheet item Purchased goods, i.e. our assortment, with 83%. In terms of operational emissions (Scope 1+2), most emissions are caused by electricity (756.440 tCO<sub>2</sub>e).

GHG emissions	absolute	specific
	t CO <sub>2</sub> e	kg CO <sub>2</sub> e/m <sup>2</sup> VKF*
Fugitive emissions	271.395	38
Mobile combustion	30.844	4
Stationary combustion	103.464	14
<b>Scope 1</b>	<b>405.703</b>	<b>56</b>
District heat	18.886	3
Electricity*	756.440	105
<b>Scope 2</b>	<b>775.326</b>	<b>108</b>
Procured goods	26.105.109	3612
Fuel and energy-related activities	297.755	41
Transports	1.838.204	255
Waste generated in operations	89.398	12
Business travel	24.551	3
Employee commuting	156.852	22
Used of sold products	1.755.187	244
End-of-life treatment of sold products	23.586	3
<b>Scope 3</b>	<b>30.290.642</b>	<b>4192</b>
<b>Total footprint</b>	<b>31.471.671</b>	<b>4356</b>

\*market-based

GHG emissions 2019



## Collection of GHG emissions:

Calculating our climate footprint is done according to the Greenhouse Gas Protocol (GHG Protocol) which is the most common standard for gathering greenhouse gas emissions. The footprint also corresponds to the formal criteria of Standard ISO 14064-1. Thus, the present Kaufland climate footprint is also ISO compliant.

The climate footprint describes the emissions which damage the climate and which are directly or indirectly caused by the business activities of a company. In addition to carbon dioxide, other greenhouse gases such as methane and nitrous oxide influence the environment. This is why the results of the climate footprint is expressed in CO<sub>2</sub>eq (equivalents).

<sup>1</sup> Fiscal year: March – February

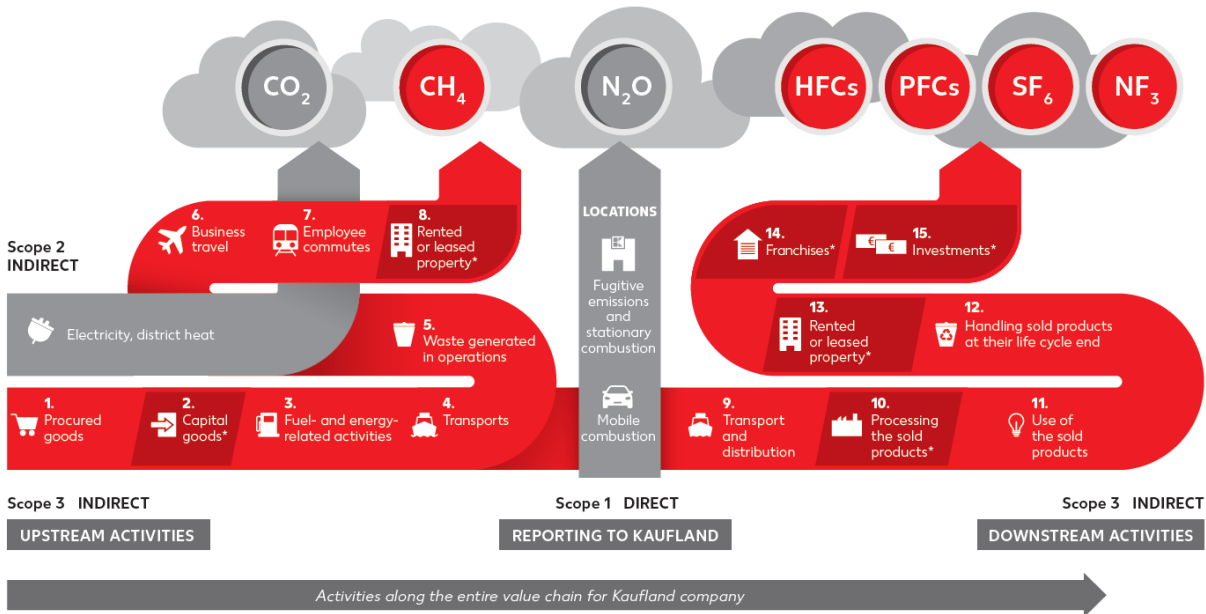
<sup>2</sup> Sales area and ancillary area

The following diagram shows the calculation limit of the Kaufland carbon footprint:



## Scope of the Kaufland climate footprint

Direct and indirect emissions: Scope 1, 2, 3 according to GHG Protocol



## Overview Kaufland GHG emissions 2020

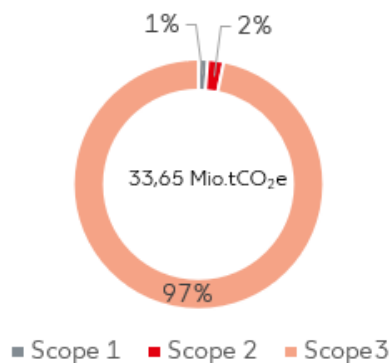
For better comparability with the base year 2019, the emission factors in Scope 3 are retained for fiscal year 2020.

In fiscal 2020, the **absolute GHG emissions** of the Kaufland INT group of companies amount to **33.6 million tons of CO<sub>2</sub> equivalents**, based on a total of 7.4 million m<sup>2</sup> of sales space.

GHG emissions	absolute t CO <sub>2</sub> e	specific kg CO <sub>2</sub> e/m <sup>2</sup> VKF*
Fugitive emissions	269.590	36
Mobile combustion	24.683	3
Stationary combustion	105.736	15
<b>Scope 1</b>	<b>400.009</b>	<b>54</b>
District heat	22.169	3
Electricity*	672.480	91
<b>Scope 2</b>	<b>694.649</b>	<b>94</b>
Procured goods	28.072.999	3792
Fuel and energy-related activities	288.126	39
Transports	2.081.780	281
Waste generated in operations	85.928	12
Buisness travel	12.772	2
Employee commuting	163.643	22
Used of sold products	1.814.475	245
End-of-life treatment of sold products	33.779	5
<b>Scope 3</b>	<b>32.553.502</b>	<b>4398</b>
<b>Total footprint</b>	<b>33.648.160</b>	<b>4546</b>

\*market-based

### GHG emissions 2020



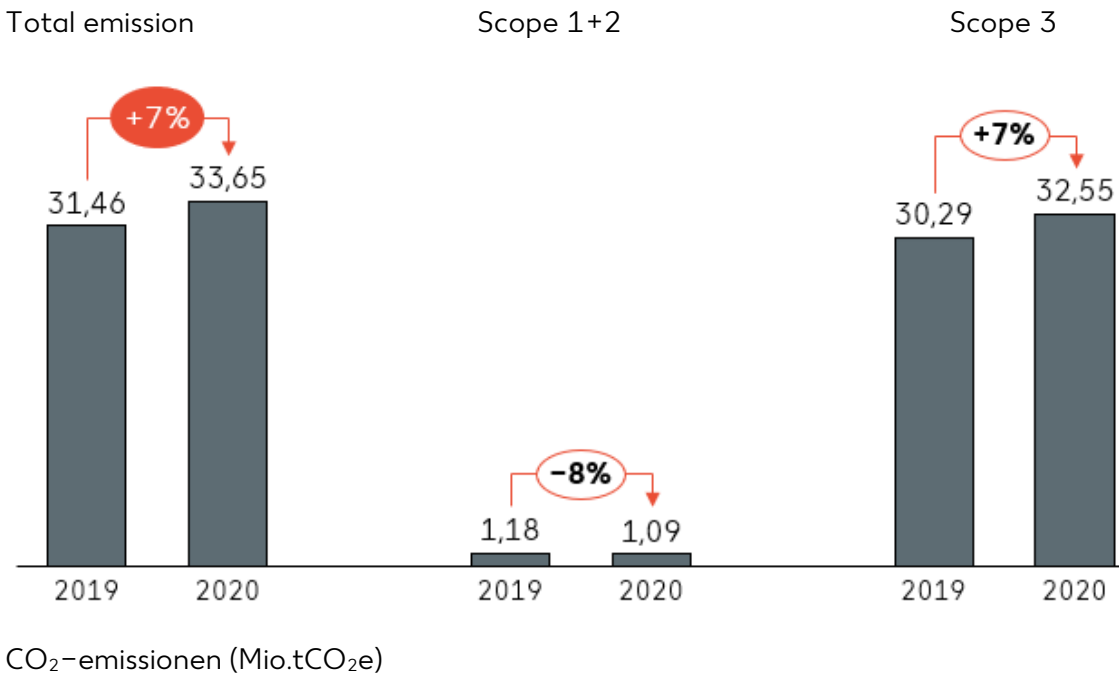
## GHG emissions in 2020 compared to the previous year

Compared to fiscal year 2019, 2020 emissions increased by 7%.

Due to the switch from Slovakia to green electricity and modernization of some refrigeration plants (including with more climate-friendly refrigerants), operational emissions (Scope 1+2) were reduced by 8%.

In our upstream and downstream value chains, emissions increased by 7%. In fiscal year 2019, only data from own packaging was available for the calculation of emissions in packaging.

In 2020, emissions from own packaging as well as third-party packaging could be taken into account. This resulted in an increase in emissions of 1.8 million tCO<sub>2</sub>e.



## Legal Notice

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Publication date: December 2021