

CO₂ Footprint of Spanish Households: Enhancing Measurement through Economic Analysis and Big Data

24%
of Spain's
CO₂ emissions

into the atmosphere are **direct emissions** from **Households**, due to the use of **private vehicles**, **heating** and **cooking at home**.

However, their **total carbon footprint** should also **include embodied emissions** from (e.g.) **the food that they eat** or **the clothes they wear**.

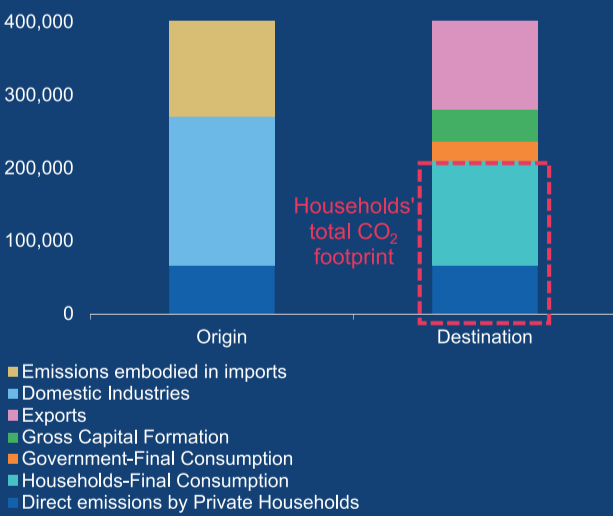


BBVA Research estimates that all **households' emissions** account for **52%** of the **CO₂ emissions produced and imported** by the **Spanish economy**.

Regarding **indirect emissions, food, mobility** and **shelter** are the components with **the largest weights**.

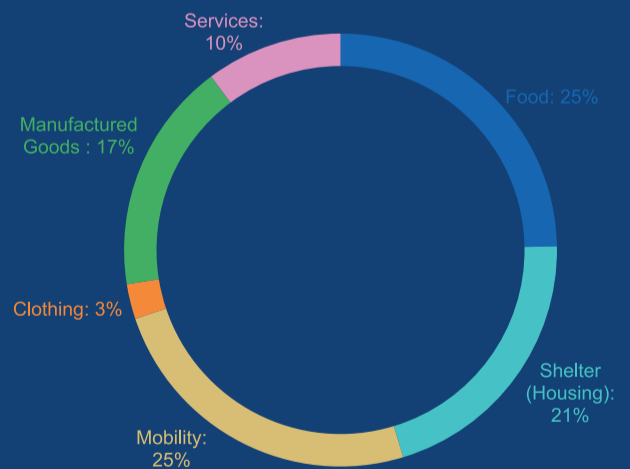


SPAIN. CO₂ EMISSIONS BY ACTIVITY. ORIGIN & DESTINATION (MILL. TM. 2016)



Source: BBVA Research calculations with INE data.

INDIRECT EMISSIONS IN HOUSEHOLDS FINAL CONSUMPTION (%)



Source: BBVA Research.

Big Data analysis shore up the measurement of **the carbon footprint** enhancing both **update and granularity**.



See the complete analysis on our website

www.bbvaresearch.com