

EPC VS. CO₂ EMISSIONS IN GRAMS PER KM: A SMARTER APPROACH TO MEASURING VEHICLE IMPACT

Green Auto Securitisation (GAS) Project

The Problem: Inconsistent EPC Ratings across Europe, in which each country uses its own Energy Performance Certificate (EPC) rating scale.

EPCs therefore **lack standardisation** and often change over time, meaning EPC values are not directly comparable across jurisdictions or time.

THE ALTERNATIVE IS CO₂ EMISSIONS IN G/KM

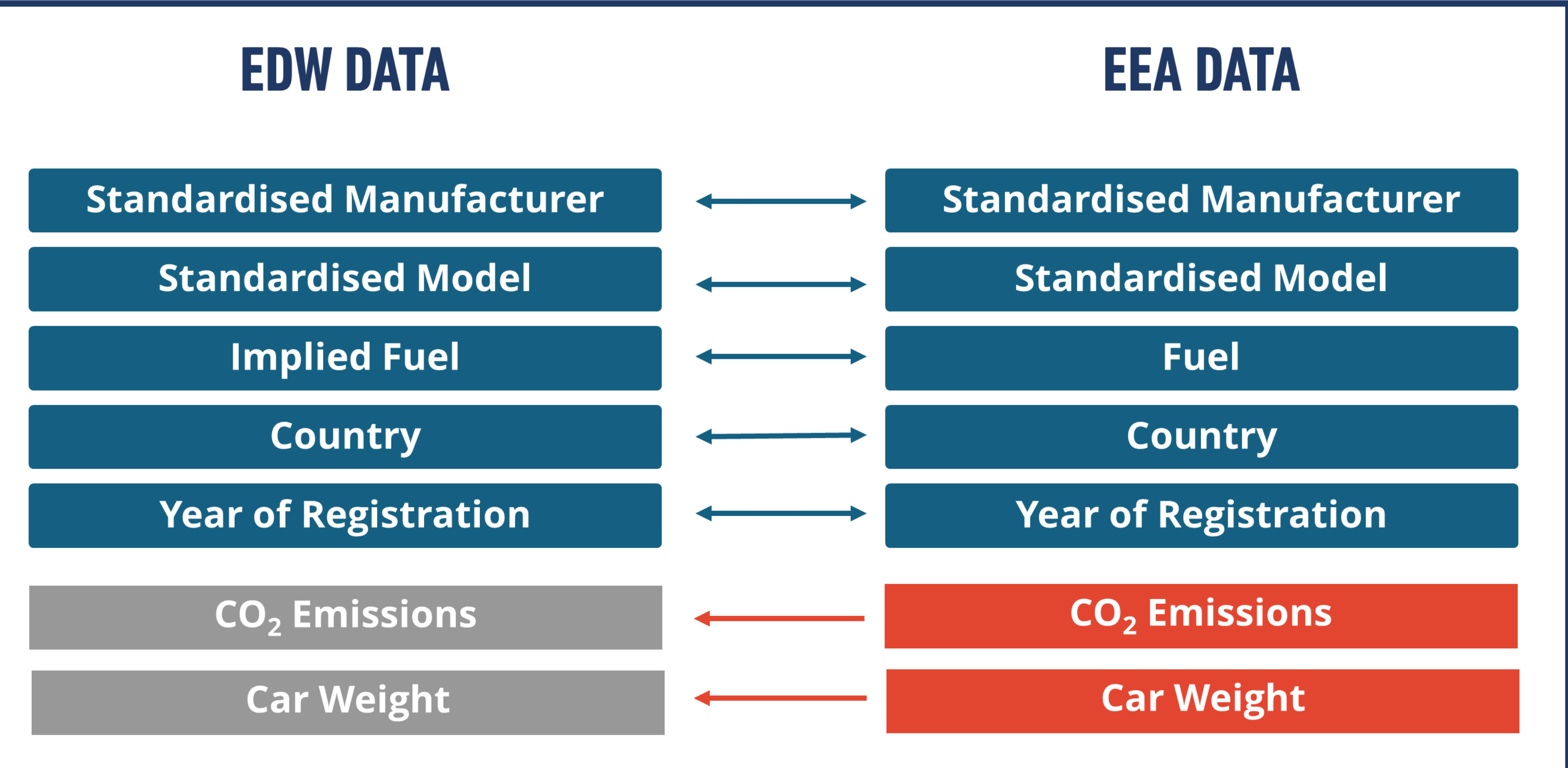
Based on a global standard called Worldwide Harmonized Light Vehicles Test Procedure (WLTP), g of CO₂ per km data offers greater accuracy and transparency.

The European Central Bank has recommended using g of CO₂ per km metrics to improve ESMA templates and enhance comparability of vehicle portfolios as well as relevant ABS transactions.

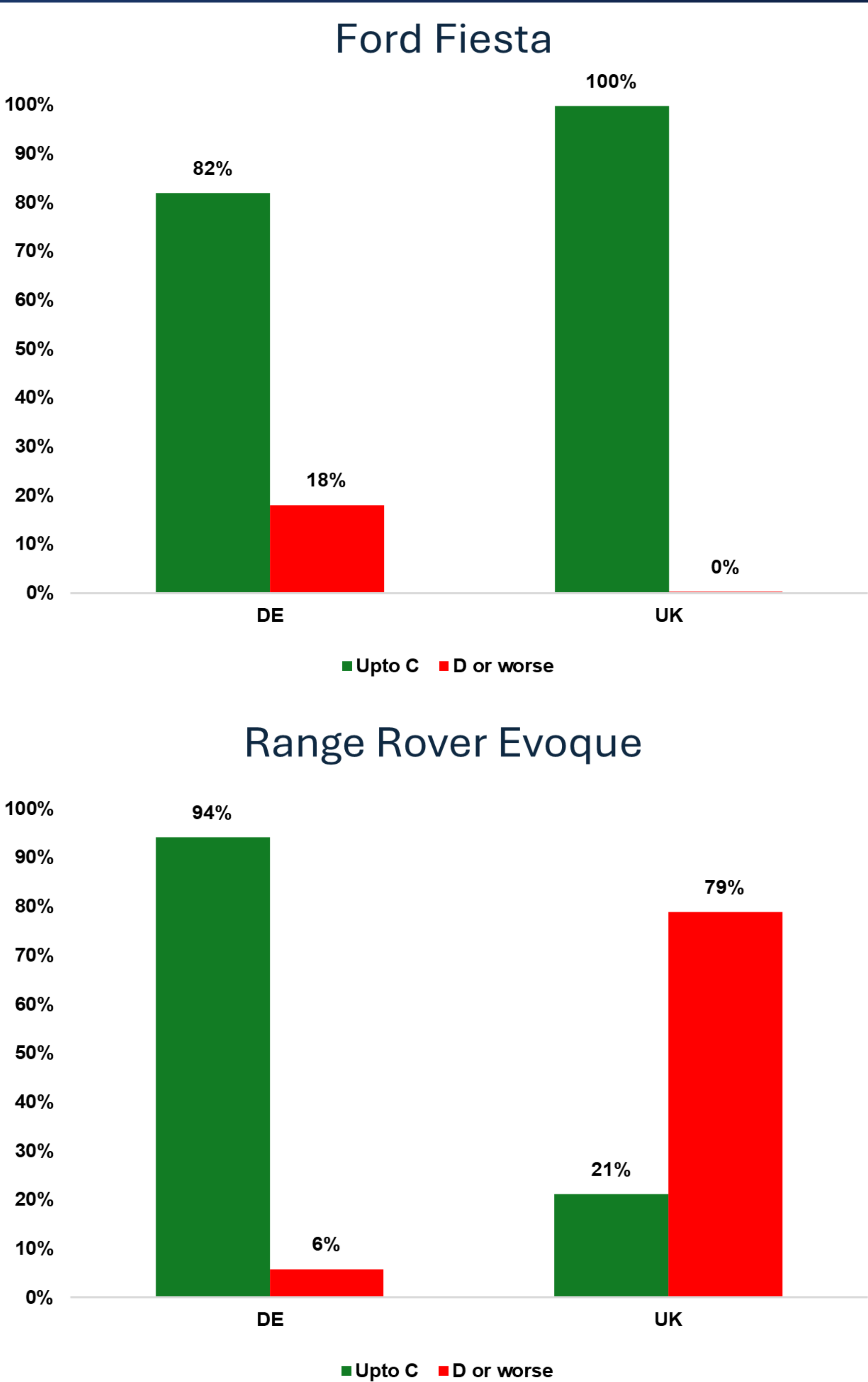
EDW'S SOLUTION: DRIVING DATA PRECISION

EDW'S proprietary Grams of CO₂ per km matching algorithm was developed under the **Green Auto Securitisation (GAS) project**, funded by the German government, alongside **Leibniz Institute SAFE**.

The algorithm matches vehicle data with the European Environment Agency (EEA) public database using key identifiers such as manufacturer and model and, on average, covers ~80% of records submitted.



The same vehicles in the UK have different EPCs to those in Germany



Source: European DataWarehouse; calculations as of H1 2025

EDW'S COMMITMENT TO ACCURACY

EDW does not assume any liabilities for data completeness.

The algorithm is continuously improved with new features and updates, with a new query for absolute carbon footprint in testing for H2 2025.

Let us help you go beyond EPCs—with clear, standardised emissions data for smarter green finance.

Get in touch: gasproject@eurodw.eu