

Real-world CO2 emissions from new cars and vans, reporting year 2023

The monitoring of the real-world emissions from new cars and vans is based on Article 12 of Regulation (EU) 2019/631. It aims to ensure that the CO emissions of vehicles determined during laboratory testing remain representative of real-world emissions of vehicles in circulation.

Real-world for new cars and vans is public available both as raw and aggregated data in csv-format.

Simple

| Date (Creation) | 2024-07-17 | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------|------------------|-------------------|-----------------|-------------------------|---------|------|-----------------------------|--|-------------------|-----------------------------------------------------------------|------------------|-----------------------------|--|-------------------|--|-----------|
| Date (Publication) | 2024-07-21 | | | | | | | | | | | | | | | | | | |
| Edition | 01.00 | | | | | | | | | | | | | | | | | | |
| Citation identifier | eea_t_real-world-co2-emission_p_2022-2023_v01_r00 | | | | | | | | | | | | | | | | | | |
| Point of contact | <table><thead><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website</th><th>Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>http://www.eea.europa.eu</td><td>Point of contact</td></tr><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td></td><td>Custodian</td></tr></tbody></table> | | | | Organisation name | Individual name | Electronic mail address | Website | Role | European Environment Agency | | sdi@eea.europa.eu | http://www.eea.europa.eu | Point of contact | European Environment Agency | | sdi@eea.europa.eu | | Custodian |
| Organisation name | Individual name | Electronic mail address | Website | Role | | | | | | | | | | | | | | | |
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Point of contact

No information provided.

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| Maintenance and update frequency | Annually |
| Keywords | |
| Keywords | |
| GEMET | <ul style="list-style-type: none"> environmental policy transport climate |
| Continents, countries, sea regions of the world. | <ul style="list-style-type: none"> Norway EU27 (from 2020) |
| Reporting obligations | <ul style="list-style-type: none"> Real-world fuel consumption of cars and vans: Manufacturers Real-world fuel consumption of cars and vans: Member States |
| EEA Management Plan | <ul style="list-style-type: none"> 2023 2.1.5 |
| EEA topics | <ul style="list-style-type: none"> Air pollution Climate mitigation |
| Use constraints | Other restrictions |
| Other constraints | EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA). |

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|-----------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Language of dataset | English | | |
| Topic category | <ul style="list-style-type: none">EnvironmentTransportation | | |
| Begin date | 2022-01-01 | | |
| End date | 2022-12-31 | | |
| Distribution format | <ul style="list-style-type: none">ascii (.csv, .txt, .sql) () | | |
| Units of distribution | km | | |
| OnLine resource | Protocol EEA:FOLDERPATH WWW:URL WWW:LINK-1.0-http--link | Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_real-world-co2-emission_p_2022-2023_v01_r00/ https://sdi.eea.europa.eu/data/ee179ab7-ae97-4d79-a0bb-1522a27fa8a0 https://climate.ec.europa.eu/news-your-voice/news/collecting-real-world-data-co2-emissions-and-fuel-consumption-new-cars-and-vans-2021-03-05_en | Name Direct download Article |

OnLine resource

No information provided.

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Units of distribution | litres |
| Units of distribution | kWh |
| Hierarchy level | Dataset |
| Statement | The procedures for collecting and reporting the real-world data and for comparing it with the corresponding laboratory 'WLTP data' are set out in Regulation (EU) 2021/392. The data shows the results of this monitoring exercise, based on the data reported by manufacturers in 2023 and covering new vehicles first registered in 2021-2022. They show the average laboratory and real-world CO emissions and fuel consumption as well as the calculated gap between those two values per manufacturer and fuel type. |
| Feature catalogue citation | <ul style="list-style-type: none"> |

Metadata

| | | | |
|---------------------------|-------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------|
| File identifier | ee179ab7-ae97-4d79-a0bb-1522a27fa8a0 XML | | |
| Metadata language | English | | |
| Character set | UTF8 | | |
| Hierarchy level | Tabular dataset | | |
| Hierarchy level name | Tabular dataset | | |
| Date stamp | 2024-07-29T13:22:39.942276Z | | |
| Metadata standard name | ISO 19115/19139 | | |
| Metadata standard version | 1.0 | | |
| Metadata author | Organisation name European Environment Agency | Individual name | Electronic mail address sdi@eea.europa.eu Website Role Point of contact |

Overviews

| OFCM data source | ID | OFCM ReportingPeriod | Registration Year | Total fuel consumed (lifetime) (l) | Total distance travelled (lifetime) (km) | Total distance travelled in charge depleting operation with engine off (lifetime) (km) | Total distance travelled in charge depleting operation with engine running (lifetime) (km) | Total distance travelled in driver-selectable charge increasing operation (lifetime) (km) | Total fuel consumed in charge depleting operation (lifetime) (l) | Total fuel consumed in driver-selectable charge increasing operation (lifetime) (l) | Total grid energy into the battery (lifetime) (kWh) | Used in calculation |
|------------------|----------|----------------------|-------------------|------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------|
| OEM | 55201566 | 2021 | 2021 | 645.57 | 8077.50 | 707.60 | 2561.50 | 0.00 | 248.34 | 0.00 | 102.40 | 1 |
| OEM | 46868086 | 2021 | 2021 | 1363.64 | 25085.70 | 10457.40 | 7449.20 | 0.00 | 720.74 | 0.00 | 3098.30 | 1 |
| OEM | 55201567 | 2021 | 2021 | 121.03 | 3585.70 | 2371.10 | 1064.80 | 0.00 | 108.56 | 0.00 | 850.70 | 1 |
| OEM | 55201568 | 2021 | 2021 | 311.34 | 6770.10 | 3605.60 | 1466.60 | 0.00 | 160.05 | 0.00 | 1216.70 | 1 |
| OEM | 55201574 | 2021 | 2021 | 690.69 | 10727.70 | 3226.10 | 1079.80 | 0.00 | 125.23 | 0.00 | 1155.00 | 1 |
| OEM | 56905353 | 2021 | 2021 | 703.07 | 10670.40 | 3183.10 | 2400.00 | 0.00 | 250.00 | 0.00 | 934.90 | 1 |
| OEM | 55201575 | 2021 | 2021 | 1812.90 | 28690.10 | 10522.50 | 12880.40 | 0.00 | 1315.02 | 0.00 | 3472.60 | 1 |
| OEM | 46787939 | 2021 | 2021 | 1487.99 | 26092.60 | 10183.00 | 1408.20 | 29.10 | 148.40 | 4.89 | 3288.40 | 1 |
| OEM | 46794937 | 2021 | 2021 | 2036.70 | 20643.90 | 4110.60 | 6424.20 | 0.10 | 757.75 | 0.00 | 1623.00 | 1 |
| OEM | 46787477 | 2021 | 2021 | 826.45 | 9492.20 | 1569.10 | 284.30 | 8.10 | 32.40 | 1.16 | 346.00 | 1 |
| OEM | 50102344 | 2021 | 2021 | 3.88 | 18.30 | 7.30 | 10.70 | 0.00 | 3.81 | 0.00 | 0.00 | 0 |
| OEM | 50102345 | 2021 | 2021 | 2.69 | 17.10 | 9.00 | 7.70 | 0.00 | 2.61 | 0.00 | 0.00 | 0 |
| OEM | 46794938 | 2021 | 2021 | 334.56 | 5462.70 | 1668.20 | 894.00 | 8.00 | 94.51 | 1.05 | 582.00 | 1 |
| OEM | 56415163 | 2021 | 2021 | 1350.57 | 29087.80 | 11937.60 | 2922.40 | 23.40 | 263.71 | 2.52 | 3584.90 | 1 |
| OEM | 46899542 | 2021 | 2021 | 511.90 | 13975.60 | 7925.00 | 843.70 | 11.30 | 93.50 | 1.43 | 2655.40 | 1 |
| OEM | 46787478 | 2021 | 2021 | 418.10 | 6946.50 | 2489.20 | 411.20 | 292.20 | 46.40 | 30.21 | 743.30 | 1 |
| OEM | 56887115 | 2021 | 2021 | 3.94 | 14.70 | 1.60 | 12.70 | 0.00 | 3.85 | 0.00 | 0.00 | 0 |
| OEM | 56415164 | 2021 | 2021 | 1297.71 | 25804.10 | 9113.70 | 1094.60 | 0.00 | 95.65 | 0.00 | 3005.70 | 1 |
| OEM | 46712208 | 2021 | 2021 | 387.18 | 14148.30 | 8954.00 | 607.40 | 0.20 | 60.88 | 0.01 | 2693.10 | 1 |
| OEM | 55201844 | 2021 | 2021 | 2094.29 | 24774.90 | 5381.80 | 8324.00 | 61.10 | 863.60 | 12.64 | 1877.80 | 1 |
| OEM | 61166843 | 2021 | 2021 | 732.33 | 15125.40 | 5447.10 | 460.30 | 0.20 | 45.54 | 0.02 | 1804.80 | 1 |
| OEM | 55201845 | 2021 | 2021 | 170.55 | 2869.10 | 1298.00 | 363.00 | 0.00 | 46.79 | 0.00 | 414.70 | 1 |
| OEM | 55201846 | 2021 | 2021 | 170.00 | 1767.90 | 99.40 | 424.70 | 0.00 | 49.90 | 0.00 | 3.00 | 1 |
| OEM | 53456984 | 2021 | 2021 | 869.29 | 11426.00 | 3589.70 | 705.10 | 103.80 | 83.91 | 15.91 | 1365.00 | 1 |
| OEM | 55201847 | 2021 | 2021 | 1829.74 | 24932.40 | 6161.10 | 9218.80 | 27.70 | 929.90 | 3.06 | 1916.90 | 1 |
| OEM | 55201848 | 2021 | 2021 | 273.66 | 9160.70 | 6064.20 | 152.10 | 0.00 | 20.30 | 0.00 | 2262.40 | 1 |
| OEM | 55201849 | 2021 | 2021 | 1179.31 | 12047.20 | 1189.30 | 977.50 | 264.60 | 122.82 | 49.75 | 341.10 | 1 |
| OEM | 55201851 | 2021 | 2021 | 531.64 | 5679.10 | 365.00 | 1857.50 | 51.10 | 185.91 | 7.07 | 46.50 | 1 |
| OEM | 55201854 | 2021 | 2021 | 1152.51 | 15063.50 | 1831.10 | 444.20 | 2.90 | 45.61 | 0.29 | 539.90 | 1 |
| OEM | 50102346 | 2021 | 2021 | 74.15 | 1240.40 | 470.80 | 87.30 | 0.00 | 11.98 | 0.00 | 143.30 | 1 |
| OEM | 45270791 | 2021 | 2021 | 1056.40 | 33648.90 | 20233.10 | 2866.40 | 0.10 | 262.56 | 0.00 | 6671.60 | 1 |
| OEM | 55201856 | 2021 | 2021 | 3.82 | 16.80 | 0.10 | 15.80 | 0.00 | 3.64 | 0.00 | 0.00 | 0 |
| OEM | 45270792 | 2021 | 2021 | 367.08 | 13656.80 | 9406.40 | 974.70 | 0.50 | 92.79 | 0.13 | 2957.30 | 1 |
| OEM | 45270793 | 2021 | 2021 | 287.28 | 3370.30 | 393.50 | 141.70 | 36.30 | 18.84 | 5.16 | 41.60 | 1 |
| OEM | 55201858 | 2021 | 2021 | 2.62 | 8.20 | 0.00 | 7.90 | 0.00 | 2.54 | 0.00 | 1.80 | 0 |
| OEM | 45270795 | 2021 | 2021 | 558.63 | 14954.60 | 8478.10 | 884.50 | 0.00 | 90.12 | 0.00 | 2949.80 | 1 |
| OEM | 74493 | 2021 | 2021 | 387.64 | 7902.20 | 4072.50 | 1073.10 | 3.00 | 122.55 | 0.36 | 1452.90 | 1 |
| OEM | 286527 | 2021 | 2021 | 1255.37 | 15382.00 | 3083.20 | 2594.60 | 550.00 | 295.96 | 68.15 | 970.60 | 1 |
| OEM | 55201861 | 2021 | 2021 | 913.24 | 9943.10 | 925.20 | 349.50 | 130.70 | 44.33 | 22.29 | 318.30 | 1 |
| OEM | 331373 | 2021 | 2021 | 493.92 | 13212.20 | 7771.30 | 985.30 | 5.40 | 97.77 | 0.57 | 2902.70 | 1 |
| OEM | 44226 | 2021 | 2021 | 545.63 | 6823.30 | 1272.90 | 615.60 | 40.00 | 65.52 | 5.65 | 350.40 | 1 |
| OEM | 55201862 | 2021 | 2021 | 2.97 | 16.60 | 5.60 | 9.50 | 0.00 | 2.56 | 0.00 | 0.00 | 0 |
| OEM | 667604 | 2021 | 2021 | 749.16 | 11811.40 | 3985.20 | 1512.00 | 12.40 | 162.53 | 3.02 | 1330.10 | 1 |
| OEM | 771514 | 2021 | 2021 | 2.49 | 13.80 | 9.20 | 4.20 | 0.00 | 2.34 | 0.00 | 10.60 | 0 |
| OEM | 50102348 | 2021 | 2021 | 961.48 | 10443.50 | 2387.10 | 1903.90 | 16.40 | 240.58 | 2.93 | 802.90 | 1 |

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