



The Oxford Martin Programme on Global Development

Our World in Data

To make progress against the pressing problems the world faces, we need to be informed by the best research and data. Our World in Data makes this knowledge accessible and understandable, to empower those working to build a better world.

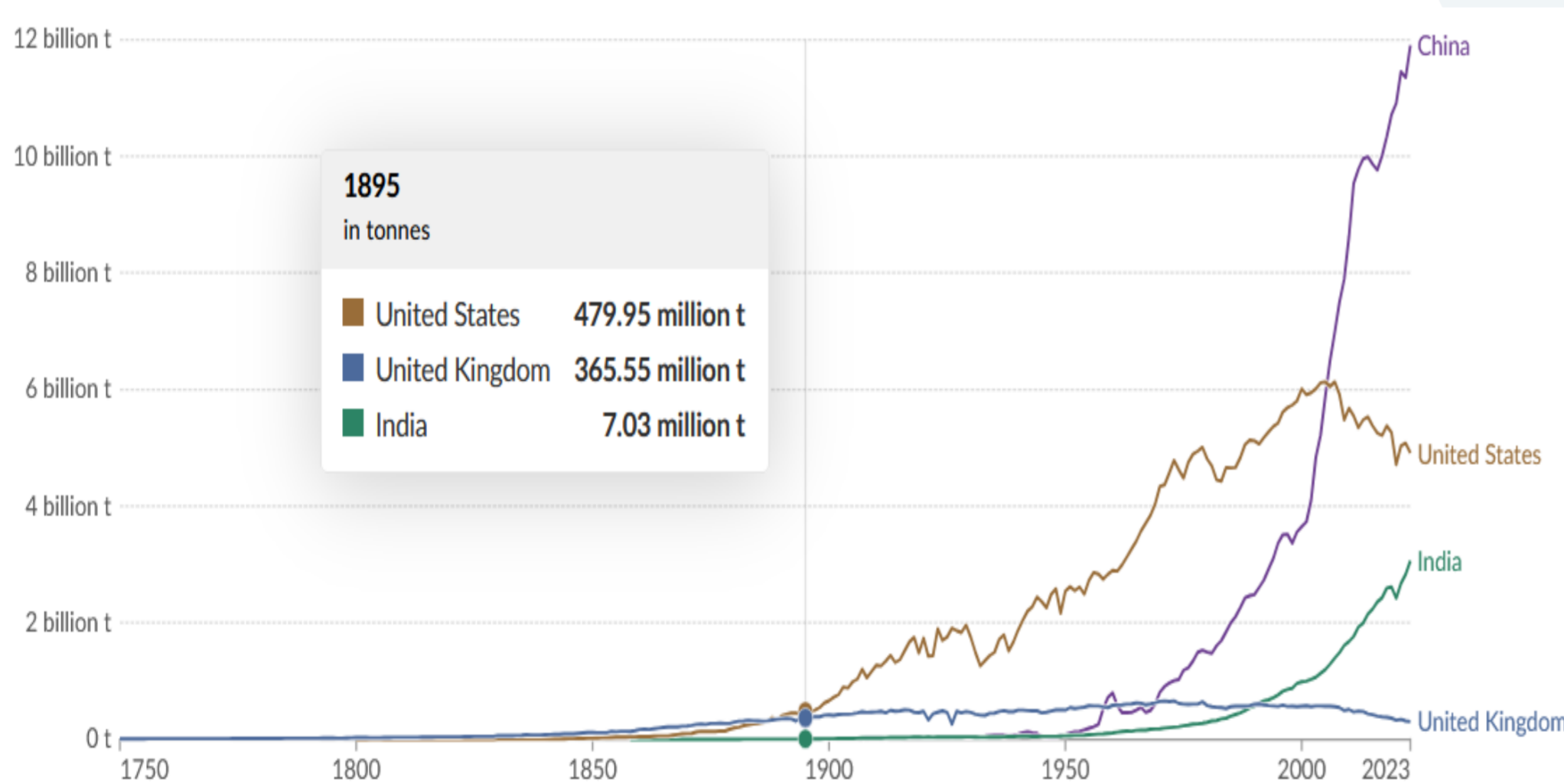
For the climate protection calculator, the following datasets from Our World in Data have been used.

Carbon dioxide CO₂

ANDREW, R.M., 2020: A comparison of estimates of global carbon dioxide emissions from fossil carbon sources. *Earth Syst. Sci. Data* 12 (2), 1437-1465.
ROBBIE, M.A. und P.P. GLEN, 2024: The Global Carbon Project's fossil CO₂ emissions dataset: 2024 release, Oslo, 44 S.

The CO₂ values of the dataset were used for reasons of good agreement with the National Greenhouse Gas Inventory. The values include the emissions but exclude the land-use change.

Example from web-site <https://ourworldindata.org>

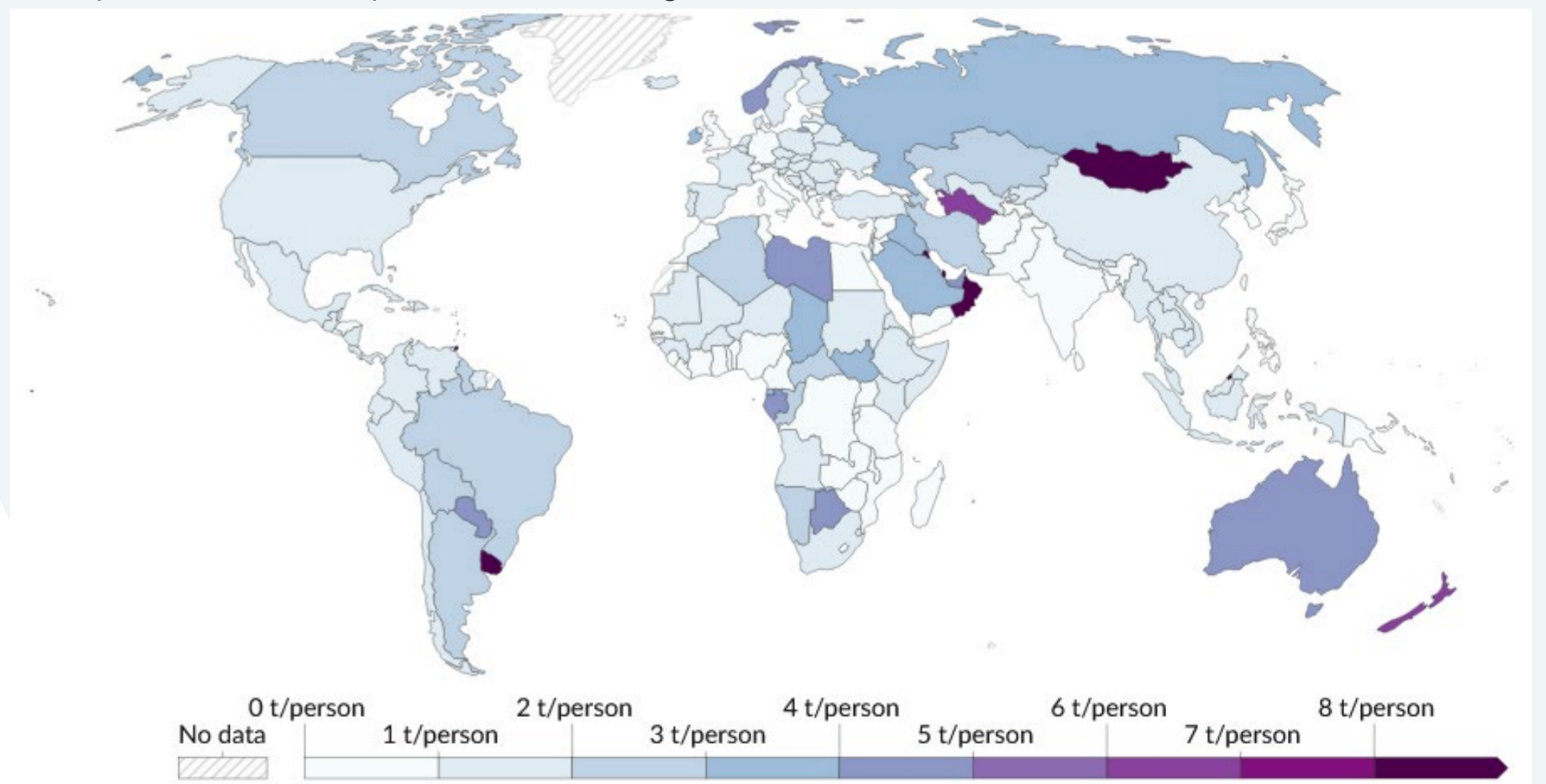


Nitrous oxide N₂O, Methane CH₄

JONES, M.W., G.P. PETERS, T. GASSER, R.M. ANDREW, C. SCHWINGSHACKL, J. GÜTSCHOW, R.A. HOUGHTON, P. FRIEDLINGSTEIN, J. PONGRATZ und C. LE QUÉRÉ, 2023: National contributions to climate change due to historical emissions of carbon dioxide, methane, and nitrous oxide since 1850. *Scientific Data* 10 (1), 155.

The N₂O and CH₄ values in this dataset are complete up to 1850. Since the project primarily focuses on the 20th and 21st centuries, an emission lead time of 50 years is sufficient for all greenhouse gases to reach an adequate initial value.

Example from web-site <https://ourworldindata.org>



We are very grateful for the permission to use the data provided by *Our World in Data*.

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