

Climate Finance Data - Reuters and Big Local News

README

BACKGROUND ON DATA

This file contains 43,844 records extracted from [Fifth](#), [Fourth](#), and [Third](#) Biennial reports that developed countries submitted to the U.N. Climate Change secretariat. We combined information from tables 7(b) located in each country's common tabular format version of the biennial reports (BR-CTF) for 2015 through 2020, the most recent year available. The 7(b) tables include public financial support through bilateral, regional and other channels for each year.

Big Local News and Reuters added fields that represent the year the contribution was reported as well as the reporting country. We standardized geographic references using geographic libraries. When necessary, reporters standardized currency to U.S. dollars and converted numbers expressed in millions to display the full dollar amounts. Additional information on these conversions can be found in the data dictionary below.

The data includes 35 parties that reported contributions and were also involved in producing the [UN \\$100 Billion Roadmap](#). They are:

- Australia
- Austria
- Belgium
- Canada
- Czech Republic
- Denmark
- EU
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Japan
- Latvia
- Lithuania
- Luxembourg
- Malta
- Monaco
- Netherlands

- New Zealand
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- United Kingdom
- United States

The data represents a snapshot of countries' reporting as of April 13, 2023, the day we last processed the files. At that time, Fifth Biennial Reports for Croatia, Denmark, Hungary, Iceland, Liechtenstein and Luxembourg were not available on the UNFCCC website.

DATA LIMITATIONS

- *Language: this database contains records in at least four languages: English, German, French and Spanish. To extract countries, regions and continents, we created a multi-lingual geographic dictionary with key terms. Examples: "Oriente Medio": "Middle East"; "Etiopia": "Ethiopia"; "América del Sur": "South America."*
- *Spelling errors: some geographic areas are misspelled in the data. Examples: "Turqey": "Turkey"; "Ehtiopia": "Ethiopia."*

We created a dictionary that allowed us to match misspellings to the correctly spelled country, region or continent.

- *NOTE: although we have tried to be as accurate as possible, taking into account language and spelling errors, as well as the size of the data and the automation of the data extraction, some countries/regions may have been missed during this keyword extraction.*
- *USD values and local currencies: certain countries reported their investments in millions, other countries used thousands. Still others reported their investments only in their local currencies. To be able to compare values, we converted amounts reported in thousands or millions to actual dollar amounts and standardized currencies to U.S. dollars. The results of these conversions are included in the "corrected_usd" field. Reporters took numbers at face value unless detailed otherwise in reports.*
- *We identified 216 records in the data that might be duplicates. These are records in which some parties reported exactly the same information on multiple occasions. In some cases, reporters were able to verify that those identical records are fractions of the same project, reported separately. In other instances, reporters could not verify if those*

records are fractions of the same projects, or errors in the original reporting. Without certainty that these records are duplicates, we included them in our calculations.

- *Reporters were unable to check every individual record for accuracy because of the volume of data.*

DATA DICTIONARY

Notes:

- **Fields created by Reuters/BLN are marked with ***
- **The fields are ordered as they appear in the dataset**

***id:** unique identification number assigned to each record.

***year:** corresponds to each reporting year, it has been extracted from the title of the sheets (example, Table 7(b)_2015 = 2015).

***reporting_party:** corresponds to the reporting party and was extracted from the name assigned to each file on the U.N. website.

recipient_country_region_project_programme: original column with information on the recipient, sometimes including a project or program title.

***recipient:** to create this new column, we applied a filter that detects and extracts country names that appear in the “recipient_country_region_project_programme” column. When this first data extraction did not return a value, we applied the same filter to the column called “additional_information.” We created a dictionary for Spanish and French spellings as well as for some misspellings of countries we identified within the data.

***recipient_continent_or_region:** when no country information was available in the “recipient_country_region_project_programme” or “additional_information” columns, we searched those columns for continents or regions and recorded them here.

***assigned_geography:** after extracting country/countries from the “recipient_country_region_project_programme” or “additional_information” columns, we used a [UN dataset](#) to match those values with the continents to which they belong. When no country was extracted, but a region or continent was, we kept those values. In addition, we created two additional values, to categorize the records as follows:

- “multicontinent_or_global”: when the record mentioned more than one continent or when the records were only described as ‘global’;
- “continent_unspecified”: when the record did not mention any geography, or the record did not mention any specific continent or the region mentioned could not be assigned to a single continent.

usd: U.S. dollar values reported.

euro: euro values reported.

***usd_corrected:** standardized USD and local currencies. See details below:

The United Kingdom (all years), Japan (2015 and 2016), and New Zealand (2017, 2018, 2019 and 2020), reported their contributions in USD millions, as indicated in either data files or PDFs that accompany their biennial reports.

- Note from the [UK reports](#): The tables specify USD millions.
- Note from the [Japan reports](#): The unit of JPY is “million Japanese Yen,” and the unit of USD is “million US dollars.”
- Note from the [New Zealand reports](#): The tables specify USD millions.

Some countries reported data in euros; we converted those currencies into USD.

After talking with three experts about the best approach to convert those currencies, we applied the year average exchange rate from the Organisation for Economic Co-operation and Development (OECD).

About the OECD data: exchange rates are defined as the price of one country’s currency in relation to another country’s currency. This indicator is measured in terms of national currency per US dollar. Source: <https://data.oecd.org/conversion/exchange-rates.htm>

- 2015: 1 dollar = 0.901296 euro
- 2016: 1 dollar = 0.903421 euro
- 2017: 1 dollar = 0.885206 euro
- 2018: 1 dollar = 0.846773 euro
- 2019: 1 dollar = 0.893276 euro
- 2020: 1 dollar = 0.875506 euro

Affected years and countries:

For 2015, 2016, 2017, 2018, 2019, 2020 - 'estonia', 'lithuania', 'monaco', 'slovenia' - euros to USD.

For 2015 and 2016 - 'germany' - euros to USD.

For 2019 and 2020 - 'france' - euros to USD.

For 2019 and 2020 - 'ireland' - euros to USD.

status: status of the funding reported.

funding_source: source of funding reported.

type_of_support: type of support reported.

financial_instrument: financial instrument reported.

sector: sector reported.

additional_information: additional information reported.

Continent columns:

Continent values were assigned when a country, region or continent was extracted from the “recipient_country_region_project_programme” or “additional_information” columns as described below. When geographies were vague or not possible to assign to a specific continent, we flagged those as well.

***africa:** when the recipient country, region or continent falls within the continent of Africa, this value will be “TRUE.”

***latin_america_and_caribbean:** when the recipient country, region or continent falls within the continent of Latin America and the Caribbean, this value will be “TRUE.”

***north_america:** when the recipient country, region or continent falls within the continent of North America, this value will be “TRUE.”

***asia:** when the recipient country, region or continent falls within the continent of Asia, this value will be “TRUE.”

***europe:** when the recipient country, region or continent falls within the continent of Europe, this value will be “TRUE.”

***oceania:** when the recipient country, region or continent falls within the continent of Oceania, this value will be “TRUE.”

***middle_east:** when records were reported only as ‘middle east’, this value will be “TRUE.”

***mediterranean:** when records were reported only as ‘mediterranean’, this value will be “TRUE.”

***global:** when records were reported only as ‘global’ or ‘worldwide’, this value will be “TRUE.”

***multicontinent_or_global:** when more of one continent value is TRUE or when ‘global’ is TRUE, this value will be “TRUE.”

***continent_unspecified:** when records do not have any country/continent assigned, including ‘mediterranean’ and ‘middle east’—as we can’t assign a specific continent to them—this value will be “TRUE.”

Local currencies from the original data:

croatian_kuna: all of the values are empty.

norwegian_krone

japanese_yen

danish_krone

british_pound

american_dollar

swiss_franc

australian_dollar

romanian_leu

swedish_krona

canadian_dollar

new_zealand_dollar

czech_koruna

bulgarian_lev: all of the values are empty.

icelandic_krona

polish_zloty

hungarian_forint