Package: fsmglobal (via r-universe)

October 24, 2026

Title Global Faecal Sludge Emptying Services Demand

Version 0.0.1

Description Global faecal sludge emptying demand data for 175 countries and territories, based on 2017 population figures. Demand is quantified by the population served by one of four emptying methods (mechanized, non-mechanized, unemptiable, no facility). The demand is disaggregated into urban and rural proportions.

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Language en-GB

Encoding UTF-8

Roxygen list(markdown = TRUE)

Suggests rmarkdown

Config/Needs/website rmarkdown, tidyverse, epoxy, gt, janitor, dplyr, ggplot2

Depends R (>= 2.10)

LazyData true

Date 2023-04-26

URL https://github.com/openwashdata/fsmglobal

BugReports https://github.com/openwashdata/fsmglobal/issues

X-schema.org-keywords open data, washdata, faecal sludge management, emptying services, sanitation, demand, low- and middle-income countries, global

X-schema.org-spatialCoverage Global, 175 countries and territories in Africa, Asia, Latin America and the Caribbean, and Oceania

X-schema.org-temporalCoverage 2017-01-01/2017-12-31

Config/roxygen2/version 8.0.0

Repository https://openwashdata.r-universe.dev

Date/Publication 2026-09-24 04:30:01 UTC

RemoteUrl https://github.com/openwashdata/fsmglobal

RemoteRef HEAD

RemoteSha 46458e73ebb0dbea7fc3a0b47a316b075317ed49

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`fsmglobal` *fsmglobal*

Description

Populations of 175 countries requiring faecal sludge emptying services.

Usage

```
fsmglobal
```

Format

A tibble with 700 rows and 9 variables:

iso3c International Standards Organization (ISO) 3-digit alphabetic codes.

country Name of the country.

emptying_method Type of faecal sludge emptying method for corresponding population in `population_emptying_method`

population_2017 Total country population in 2017.

population_emptying_method Total population requiring faecal sludge emptying services for type of method identified in `emptying_method`.

count_pits_septics Total number of pit latrines and septic tanks in country.

emptying_demand Emptying demand as the proportion of `population_emptying_method / population_2017`.

urban_demand Urban proportion of the emptying demand (share of `population_emptying_method` in urban areas).

rural_demand Rural proportion of the emptying demand (share of `population_emptying_method` in rural areas).

Source

Originally published in: Greene, N., Hennessy, S., Rogers, T. W., Tsai, J., & de los Reyes III, F. L. (2021). The role of emptying services in provision of safely managed sanitation: A classification and quantification of the needs of LMICs. Journal of Environmental Management, 290, 112612. https://doi.org/10.1016/j.jenvman.2021.112612

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