

# Package ‘gde’

May 8, 2026

**Title** GBIF Dataset Explorer

**Version** 0.2.1

**Date** 2023-03-20

**Description** Functions to explore datasets from the Global Biodiversity Information Facility (GBIF - <https://www.gbif.org/>) using a Shiny interface.

**Encoding** UTF-8

**Imports** dplyr, stringr, DT, XML, data.table, R.utils, readr, jsonlite, progress, httr, shinyWidgets, shinycssloaders

**Depends** R(>= 4.0.0), leaflet, shiny, ggplot2, RSQLite

**License** Apache License (>= 2.0)

**URL** <https://github.com/Smithsonian/GBIF-Dataset-Explorer>

**BugReports** <https://github.com/Smithsonian/GBIF-Dataset-Explorer/issues>

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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**Repository** CRAN

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launchApp	<i>launches the GDE app</i>
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**Description**

launches the GDE app

**Usage**

```
launchApp()
```

**Value**

shiny application object

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load_gbif_dwc	<i>Open GBIF download from zip file</i>
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**Description**

Function that loads the data in a zip file downloaded from GBIF

**Usage**

```
load_gbif_dwc(zipfile = NA, tmpdir = "tmp", page_title = "GBIF Data")
```

**Arguments**

zipfile	Path to the zipfile
tmpdir	Temporary path for extracted files
page_title	Title to show on the Shiny app.

**Examples**

```
## Not run:  
data_loaded <- load_gbif_dwc(zipfile = "####.zip", tmpdir = "tmp", page_title = "GBIF Dataset 1")  
  
## End(Not run)
```

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shinyAppServer	<i>Shiny app server function</i>
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**Description**

Shiny app server function

**Usage**

```
shinyAppServer(input, output, session)
```

**Arguments**

input	provided by shiny
output	provided by shiny
session	provided by shiny

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shinyAppUI	<i>shinyAppServer</i>
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**Description**

shinyAppServer

**Usage**

```
shinyAppUI
```

**Format**

An object of class shiny.tag.list (inherits from list) of length 4.

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