**HOW TO – Work with Spöreg and Git.**

**2025-10-31**

**🚀 Start a New R-Project from the Repository**

1. In RStudio: Go to **File > New Project... > Version Control > Git**.
2. **Repository URL:** Paste the URL: https://github.com/SLU-Aqua-large-lakes/sporegr
3. **Project Directory Name:** Choose a clear, short name (e.g., sporegr-local).
4. **Create project as a subdirectory of:** Choose the directory where you want the project to live (e.g., C:/R/).
   * *Result:* A folder named C:/R/sporegr-local/sporegr/ will be created, containing the repository files. **The project root (C:/R/sporegr-local/) is your working directory.**
5. **Open in new session:** **Yes**
6. Always **Pull** first to ensure you have the most recent updates from the repository.

**📄 To Use a Template Script Locally**

1. Go to **File > New File > R Markdown... > From Template** and select the desired template.
2. An **Untitled** script will open. **Save it immediately** within your project directory (e.g., in a dedicated subfolder like C:/R/sporegr-local/reports/).

**Note on Loading Functions:**

* When you create a new R Markdown document **from the template**, it will be saved *outside* the sporegr package source directory.
* To use the package functions, you need to load them first. **The simplest and best practice is to load the package itself** (e.g., library(sporegr) if it's installed) **or use devtools::load\_all() for development work.**
* If you are developing/testing, add to the newly saved local template the following:

```{r setup, include=FALSE}

***### Set up control, only used locally! ##***

***# Detta laddar alla funktioner från R/-mappen in i "Knit"-sessionen***

***library(devtools)***

***devtools::load\_all()***

***### End local set up***

# Load libraries

Work on your report. **Commit** changes regularly to maintain version control for your local report.

**📤 To Update a Template for Others**

*This is only for changes that should be shared with the entire team and are not local reports.*

1. In the **Files** pane (usually top-right), navigate to the template location: [Project Root]/sporegr/inst/markdown/templates/
2. Open the skeleton.Rmd file for the template you want to update.
3. Make your changes.
4. In the Git pane, **Stage** the changed file(s).
5. **Commit** with a clear and concise message explaining the updates.
6. Finally, **Push** your committed changes to the remote repository (GitHub).