

# Reproducible Documents with `{ rmarkdown }`

Instructor: **Selina Baldauf**

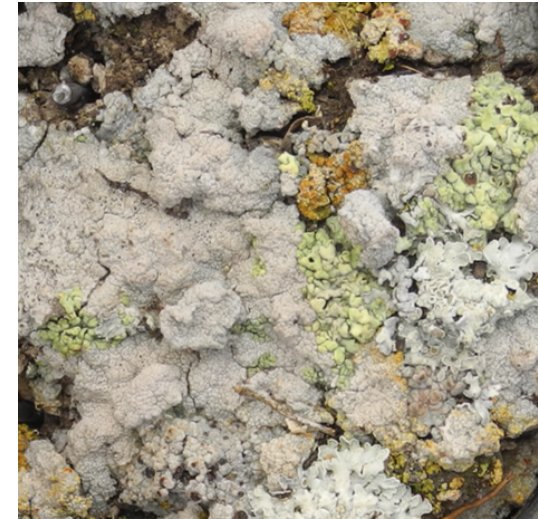
Freie Universität Berlin - Theoretical Ecology



2022-22-03 (updated: 2022-03-28)

# Who am I?

- Scientific modeller with ecology background
- Working in the **theoretical ecology group** at Freie Universität
- PhD student at Freie Universität Berlin
  - Topic: Modelling the impact of biological soil crusts on dryland hydrology



## Teaching

- Statistics with R for Biology Master students
- Workshop "Introduction to Data analysis with R"
- Workshops on R packages, R development, ...



# The Workshop: Topics

- Day 1: Introduction to the R Markdown package
  - What is it?
  - What can you do with it?
  - Basic functionality
- Day 2: More advanced features and other document types
  - Citations
  - Additional output types
  - Format tables
- Day 3: Bring your own data
  - Optional



# The Workshop: Schedule and Organization

 1 p.m. - 5 p.m.

 We will meet in the `General` meeting on Webex

## Organization

- Input sessions
  - Presentation and demonstration of a topic
  - Some examples
- **Tasks** regarding this topic
  - Two groups: Only chat or meeting
- **Joint discussion** of tasks and additional questions

# The Workshop: Material

- All material can be found on the [workshop's website](#)
  - Presentations
  - Tasks
  - Solutions
  - Additional resources

# Bring your own data

## Learning by doing

- Create your own documents
  - Use methods learned in the course
  - Try something new
  - Create the document that you actually need or want to learn
- It is optional
  - Think about it and let me know tomorrow afternoon if you want to participate
  - If you already know: add your name to the [joint document](#)
- If you want to try something specific: Let me know and I can check for resources etc. before

# Before we get started I

Any feedback and questions are very welcome.

I am curious to know

- What you liked/disliked
- Which topics or methods you missed
- Which tasks were too easy/too difficult or just right
- ...

# Before we get started II

Did anyone have problems installing the R Markdown?