

# How to replicate the results and supplementary material

Mohrenberg, S., Koubi, V. & Bernauer, T. Int Environ Agreements (2019) 19:  
1. <https://doi.org/10.1007/s10784-018-9423-z>

1. Extract the content of the zip-file replication\_material\_IEA.zip to your system.

2. Make sure the following programs are installed

- R (<https://cran.r-project.org/>)
  - R version used for checking the replication material: R version 3.5.2 (2018-12-20) -- "Eggshell Igloo", Platform: x86\_64-pc-linux-gnu (64-bit)
- RStudio (<https://www.rstudio.com/products/rstudio/download/#download>)
  - RStudio version used for checking the replication material: Version 1.2.1335
- LaTeX (esp. pdflatex)
- In the following text-file, we list all R-packages that were installed together with the installed version:  
.../replicationMaterial/documentation/installedRlibraries.xlsx
- Operating system of the machine on which the replication material was checked: Ubuntu 19.04 (Linux Kernel version 5.0.0-20-generic)

3. Replicate the results from the main text and reproduce the online appendix

1. Open the file .../replicationMaterial/rwd/nccrd\_m03\_fund\_replication.rmd in Rstudio
2. Find the setwd-command and adjust the file-path to .../replicationMaterial/rwd/
3. Adjust or comment-out line 42 in the following screenshot.

```
41 ## make sure the folder containing R-libraries is in the search path
42 .libPaths("~/R_libs")
43
44 ## set working directory (ADJUST PATH!!!)
45 setwd("/home/smo/wk/projects/NCCR-D-PRIVATE/2_macro/m03_funds/replicationMaterial/rwd")
46 |
```

4. Execute all chunks of R-code and create the PDF-file by clicking “Knit” and then “Knit to PDF” and Find the following files

1. All figures: .../replicationMaterial/fig/
2. Some results in stand-alone files: .../replicationMaterial/results/
3. A PDF with the replicated results, figures, and supplementary material:  
.../replicationMaterial/rwd/nccrd\_m03\_fund\_replication.pdf

The replication material was checked and the PDF was re-built matching the version from the published paper by Steffen Mohrenberg, E-mail: [steffen.mohrenberg@gmail.com](mailto:steffen.mohrenberg@gmail.com)

Zurich, July 14 2019