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| **Protocol**  Meeting Bachelor Thesis, FS 2024 | | | | | | | | | | | |
|  |  | | | | |  |  | | | | |
| **Protocol-No.:** | 03 | | | | | **Project name:** | Bachelor Thesis | | | | |
| **Meeting type:** | Discussion | | | | | **Location:** | GIUB, Bern | | | | |
| **Date / Time:** | 8.04.2024 / 10:00 | | | | |  |  | | | | |
| **Topic / Goals:** | Modelling for one Gridpoint | | | | | | | | | | |
| **Lead:** | Benjamin Stocker | | | | | **Logger:** | Patricia Gribi | | | | |
|  | | | | | | | | | | | |
| **Participants** | |  |  | | **E-mail** | | | **Present** | **Excused** | **Distribution** |
| Prof. Benjamin Stocker | |  | GECO-Group | | benjamin.stocker@unibe.ch | | | x |  |  |
| Patricia Gribi | |  | Unibe | | patricia.gribi@students.unibe.ch | | | x |  |  |
|  | | | | | | | | | | | |
| **Items discussed:** | | | | | | | | | | | |
| 1 Final Proposal  **2** **Modelling for one Gridpoint** | | | | | | | | | | | |
| **Next meeting:** | | | | **Attachments:** | | | | | | | |
|  | | | |  | | | | | | | |

| *(Legend for type: D = Decision, P = Pending, I = Information)* | Typ | Resp.: | Date: |
| --- | --- | --- | --- |
| Server Access |  |  |  |
| * Got access to server (Workstation 2). With ubuntu login remotely to workstation 2. Use command: ssh -L 9090:localhost:8787 [patricia@130.92.119.132](mailto:patricia@130.92.119.132) and then my password I set. Username for R server: patricia and same password as before, http://localhost:9090/. The data on the workstation 2 is found here: /data/scratch/CMIP6ng/cmip6-ng/pr/day/native/ | I |  | 7.03 |
| Proposal |  |  |  |
| * **Summary:** Integrated model, simulation and scenario |  |  |  |
| * **Background and Motivation:** |  |  |  |
| * **Objective:** Too many questions? (3) |  |  |  |
| * **Implementation:** |  |  |  |
| * **Timeline:** Leave the daily resolution? One week planned for presentation preparation. |  |  |  |
| Modelling |  |  |  |
| * find out what gridpoint? Find a nice one. |  |  |  |
| * To calculate et I need daily values but of latent\_heat\_flux not possible… What do? Interpolate? |  |  |  |
| * Units of precipitation are special |  |  |  |
| Literature Research |  |  |  |
| * In the paper you published you take this mass balance approach. So you take the CWD as an indicator for rooting-zone water-storage capacity. In the CWD-estimation section you explain your approach and how you calculated the CWD with an algorithm. Would it be enough to cite your paper and how you calculate the CWD? Or do I have to go a step further and find a source, where there is described why I can actually take the CWD as an indicator for rooting-zone water-storage capacity? |  |  |  |
| Open Questions |  |  |  |
| * I will not be able to put the data in the repository. Is that bad? How will it be a reproducible workflow? |  |  |  |
| * Readme on infos about data download needed in the repo? I put it under data raw although it’s not the actual data |  |  |  |
|  |  |  |  |