

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	Pre-sent	Ex-cused	Distri-bution
Prof. Benjamin Stocker	GECO-Group	benjamin.stocker@unibe.ch	x		
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Items discussed:

- 1 Final Proposal
- 2 Modelling for one Gridpoint

Next meeting:	Attachments:
- 22.04.24/15.00	—
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(Legend for type: D = Decision, P = Pending, I = Information)

		Typ	Resp.:	Date:
1	Server Access			
-	Got access to server (Workstation 2). With ubuntu login remotely to workstation 2. Use command: <code>ssh -L 9090:localhost:8787 patricia@130.92.119.132</code> and then my password I set. Username for R server: patricia and same password as before, <code>http://localhost:9090/</code> . The data on the workstation 2 is found here: <code>/data/scratch/CMIP6ng/cmip6-ng/pr/day/native/</code>	I		7.03
2	Proposal			
-	Summary: Integrated model, simulation and scenario	I		2.04
-	Background and Motivation: added link to CWD and the root zone water storage capacity	I		2.04
-	Objective: Three objective-questions are fine as they are in the same context and related to each other.	I		8.04
-	Implementation: evpsbl is the flux of water into the atmosphere due to conversion of both liquid and solid phases to vapor (from underlying surface and vegetation). Therefore, this variable was downloaded and will be used.	D		8.04
3	Modelling			
-	Gridpoint extraction: It should be known which gridpoint is extracted and also the grid should be understood used in the netcdf files. When the "conversion" mechanism is known, no grid-conversion must be applied. The function <code>extract_gridpoint</code> should be expanded in a way, that the longitude and latitude can be given as parameters to the function.	P		22.04
-	Linear Interpolation: The linear interpolation to gain daily values of monthly variables is fine.	D		8.04
-	Potential evapotranspiration vs. evapotranspiration:			
4	Workflow			
-	It will not be possible to put the data in the repository. Therefore, it should be described in the readme where the data can be found. Additionally, it must be clear where the path has to be adjusted and also how, in order for the workflow to work.	P		22.04
-	Translate the downloaded data to the scratch folder.	P		22.04