

## **Manual for Practical Assignment - GEO4-2522 - Instructions for submission of draft reports and peer-feedback for Part A**

Dear students,

**The deadline for the submission of your draft report for Part A of the practical assignment is on the 1<sup>st</sup> of October at 17:00, whereas the deadline for the submission of your peer-feedback feedback to the other groups is on the 6<sup>th</sup> of October at 17:00.**

Herein, are the instructions for submitting both your draft reports and your peer-feedback reports:

Answer the questions of the practical assignment in a manner that is independent of your code. You should aim to justify the choices you made to answer the questions. Please do not refer to anything specific to python in your answers, e.g. do not provide statements such as "We used the `irradiance.ephemeris` function of the `pvlib` library to calculate the solar zenith for each datetime specified in the datetime index of the `upot` datafile", instead focus on what that information was used for, and what assumptions you made or the software you used to generate your result.

Most of you will have tried the most straight forward route only to find out that certain functions do not work with NaN values or negative values or whatever in your data-frame, you did something to combat that which altered your data in some fashion. These types of choices are very important to your colleagues reading your reports which are based on the experiments that you carried out by using data and code to ensure reproducibility of your results.

In editing your draft reports, keep in mind the following:

- Do NOT include your Python script.
- Include your figures/plots and explanatory text as part of your answers to the (sub)questions.
- The desired file format is .pdf

Please email your draft reports to all the members of the groups in the receiver columns of the scheme, the scheme is listed below.

On Blackboard, under folder 'Course Content>Course Manuals' you can also find an example file 'Example\_answer\_to\_questions' including two tips on how to export tabular data from pandas to excel (most students manually write the values from python to a table and make errors in the process) and a mockup code that shows how to use matplotlib's subplots function.

As you can see, each group reviews the work of another group, please give your feedback as a group in the form of a .pdf file that contains a single page of high-quality feedback. As such your group is responsible for reviewing the work of another group and you will receive feedback from another group.

For the peer-review assessment answer briefly the following questions (within one A4 page): Do the results seem to be correct (e.g. expected range of values)? If not, which results might not be correct and why? Are the problem formulations correct? If not, then which formulations might be wrong and why? Are the arguments in the discussion parts logical? If not, then explain why. Are the results interpreted and presented properly (e.g. clear figures/plots incl. proper axis titles, units etc.)?

When your group is done with creating the feedback file for the group that you are assigned to you, please **send your peer-feedback file to the group for which the feedback is meant, and to the teachers:**

1. Dr. Ir. Ioannis Lampropoulos ([i.lampropoulos@uu.nl](mailto:i.lampropoulos@uu.nl))
2. Nico Brinkel M.Sc. ([n.b.g.brinkel@uu.nl](mailto:n.b.g.brinkel@uu.nl))
3. Thomas de Bruin M.Sc. ([t.a.debruin@uu.nl](mailto:t.a.debruin@uu.nl))
4. Teaching Assistant Alexandra Giasimaki ([a.giasimaki@uu.nl](mailto:a.giasimaki@uu.nl))

You can find the names of the members of every group on Blackboard: Course Content > Computer practical assignments and tutorials > Groups for the practical assignment. Using that information, you should be able to find the (university) email address of your colleagues in the receiving group.

Feedback scheme:

Sender	Receiver 1	Receiver 2
group 1	group 14	Thomas, Nico, Ioannis, Alexandra
group 2	group 13	Thomas, Nico, Ioannis, Alexandra
group 3	group 12	Thomas, Nico, Ioannis, Alexandra
group 4	group 11	Thomas, Nico, Ioannis, Alexandra
group 5	group 10	Thomas, Nico, Ioannis, Alexandra
group 6	group 9	Thomas, Nico, Ioannis, Alexandra
group 7	group 8	Thomas, Nico, Ioannis, Alexandra
group 8	group 7	Thomas, Nico, Ioannis, Alexandra
group 9	group 6	Thomas, Nico, Ioannis, Alexandra
group 10	group 5	Thomas, Nico, Ioannis, Alexandra
group 11	group 4	Thomas, Nico, Ioannis, Alexandra
group 12	group 3	Thomas, Nico, Ioannis, Alexandra
group 13	group 2	Thomas, Nico, Ioannis, Alexandra
group 14	group 1	Thomas, Nico, Ioannis, Alexandra

For instance, group 1 shall send their reports (draft report and peer-feedback report) to group 14 as well as to the teachers. Group 2 shall send their reports to group 13 as well as to the supervisors and so on.

In the coming days you will receive a separate message specifying your groups options for the final report of the practical assignment.

Best,

Ioannis, Nico, Thomas and Alexandra