GRS53509 Smart Environments

March 2023

Format individual Portfolio

Introduction:

The individual portfolio will reflect the work you have done to accomplish your personal learning goals that were set in the first week. The portfolio must also include the results of the group work project/challenge but the focus for the individual portfolio (and worth 50% of the marks) is the process that led to the results and your ability to reflect on your own learning process, in other words, what went well, what didn't go so well etc.
To guide you in the reflection process it is useful to consider your own boundary crossing competence (BCC).
The portfolio will be build using Python notebooks and should include the following:

- An **introduction** which contains your original personal learning plan
- A **readme** file for each personal learning goal which includes information about:
    - The background
    - Methodology and data source used
    - Details about the implementation
    - Results
    - Conclusions both on the results as well as on the accomplishment of the goal

  This section can contain **Jupyter notebooks, diagrams, textual and numerical results as well as visualizations.**
- A **reflection** on the learning process which includes BCC, aspects that went ok and went not so good as well as a reflection on the potential use and application of the project outcomes

Please 'zip' all the items of the portfolio and upload it to Brightspace. Alternatively you may provide a link to a Github page with all information.

The portfolios will be assessed based on the learning criteria (below) by both a peer group 50% and by the supervisors 50%. The individual elements of the portfolio will be assessed by the supervisor in a final reflection meeting. During this refection meeting you will be asked to clarify your learning process as well as your findings. The supervisor's mark will be based on the following criteria (See also the rubric for individual portfolio for more details).

Learning criteria for the individual portfolio. Students can:

- Apply data science skills (methodology, quality and relevance of the implementation and visualisations) to meet their set learning goals
- Evaluate the quality of the data sources and incorporates understanding of its limitations
- Reflect on the societal implications of using smart technologies in a written text
- Acknowledge 2 specific boundary crossing competence examples and reflect on how these have developed their own learning path
- Demonstrate their commitment, perseverance and creativity for data science