

PRELIMINARY AGENDA (AS OF 8/24/2016)
Cloud-based Data Exploration and Machine Learning on environmental datasets

SHORT COURSE ORGANIZER AND INSTRUCTOR
Philippe Tissot and Amy McGovern

SUN 22 JAN

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| 8:30 am | Introductions: Introduce course instructor and course organizers. Have participants quickly state their names and what they hope to gain from course. |
| 8:45 am | Lecture: Introduction to cloud based data exploration and implementation of machine learning. |
| 10:00 am | BREAK |
| 10:30 am | Lecture and Demonstration: Introduction to the short course data set and guide to use the cloud based tool to work out example, identification of clusters and predictors/predictands relationships. |
| 12:00 pm | Lunch on site |
| 1:30 am | Hands-on Exercise: Participants using their laptops access the online data set and machine learning tools. Following the morning demonstration participants cluster the data set and/or attempt to find predictors/predictand relationships. |
| 3:00 pm | BREAK |
| 3:30 pm | Hands-on Experience: Continuation of hands on exercise. Students are also asked to prepare 1-2 ppt Slides to share and discuss findings. |
| 4:00 pm | Student Presentations and related discussion. |
| 4:30 pm | Review the take-away concepts that were demonstrated in the short course and solicit experiences from the hands-on exercise. Answer any remaining questions. |
| 5:00 pm | Course ends. |

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