**TPSF in person training plan**

The plan for the in-person training component of the TPSF symposium consists of 5 exercises/themes across the 7th and 8th of August.

The 5 ‘sessions’ will be on:

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| In person Training |  |  |  |
|  | Topic | Lead |  |
| 1 | Ocean Colour data access, processing and interpretation | Hayley Evers King |  |
| 2 | Primary production | Bob Brewin |  |
| 3 | Water quality and human health data tools | Gemma Kulk |  |
| 4 | Machine Learning and Earth Observation | David Moffat |  |
| 5 | Group work on possible future research | N/A |  |
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| **Day1 (07/08): MONDAY** |  |  |
| 08:45-09:15 | Registration |  | 30 mins |
| 09:15-09:39  | Welcome, safety briefing etc and training overview | Thomas Jackson | 15 mins |
| 09:30-09:50 | TOPIC1 Lecture: Ocean Colour (data access, processing and interpretation) | Hayley Evers King + Ben Loveday | 20 mins |
| 09:50-11:00  | TOPIC 1: Practical Exercises with Ocean Colour | Hayley Evers King + Ben Loveday | 70 mins |
| 11:00-11:15 | Coffee |  | 15 mins |
| 11:15-13:00 | TOPIC 1: Practical Exercises with Ocean Colour continued | Hayley Evers King + Ben Loveday | 105 mins |
| 13:00-14:00 | Lunch |  | 60 mins |
| 14:00-14:30 | TOPIC 2 Lecture: Water quality and human health data tools | Gemma Kulk | 30 mins |
| 14:30-16:00 | TOPIC 2: Practical exercises on Water quality and human health data | Gemma Kulk | 90 mins |
| 16:00-16:15 | Coffee |  | 15 mins |
| 16:15:-16:45 | Q/A, open discussion |  | 30 mins |
| 16:45:-17:45 | Research Question Discussion session. Group project scoping and initiation. |  | 60 mins |
| 18:30 | Ice-breaker – Pizza and soft drinks |  |  |
| **Day2 (08/08): TUESDAY** |  |  |
| 09:00-09:30  | TOPIC 3 Lecture: Ocean biogeochemical cycles and Primary Production  | Bob Brewin | 30 mins |
| 09:30-11:00 | TOPIC 3: Modelling primary production in Python and Jupyter notebook | Bob Brewin | 90 mins |
| 11:00-11:30 | Coffee |  | 15 mins |
| 11:30-12:00 | TOPIC 3: Modelling primary production in Python and Jupyter notebook continued | Bob Brewin | 30 mins |
| 12:00-12:30 | TOPIC 4 Lecture: AI | David Moffat | 30 mins |
| 12:30-13:00 | TOPIC 4 exercises: AI | David Moffat | 30 mins |
| 13:00-13:45 | Lunch |  | 45 mins |
| 13:45-15:30 | TOPIC 4 exercises: continued | David Moffat | 105 mins |
| 15:30-16:00 | Q/A, open discussion |  | 30 mins |
| 16:00-17:15 | Group project work (continued from yesterday). |  | 75 mins |
| 17:15-18:00 | 5 minute group presentations (9-10 presentations) |  | 45 mins |