Day 1 (Aug. 16, 2016): Introduction to the CMIP Analysis Platform

9:00-9:30 General Introduction (J.-F. Lamarque, NCAR)
9:30-10:30 Doing science with multi-model ensembles (J. Meehl, NCAR)

10:30-11:00 break

11:00-11:45 Layout of CMIP5 experiments: what are they for? (K. Taylor, LLNL)
11:45-12:30 Introduction to platform (D. Hart, NCAR)

12:30-1:30 lunch break

1:30-2:00 Gotchas of CMIP data (K. Taylor, LLNL)
2:00-3:00 Running scripts & software on geyser (D. DelVento, NCAR)

Practice lab (3:00-5:00):
Getting the field of interest
Simple manipulations on the participant own laptop & software

3:30-4:00 break

Day 2: Statistical methods for multi-model analysis

9:00-9:45 Statistical methods of relevance to multi-model/ensemble analysis (R. Knutti, ETH)

9:45-10:30 Beyond IPCC plots (B. Sanderson, NCAR)

10:30-11:00 break

11:00-12:00 Extremes for Climate Models (D. Cooley, CSU)

12:00-1:00 lunch break

1:00-3:00 Practice lab #1: Using Parallel R on Yellowstone (D. Nychka & D. Hammerling, NCAR)

1:50-2:00 Break

3:00-5:00 Hike

Day 3: Scientific studies and tools for multi-model analysis

9:00-9:45 Large ensemble: lessons learned from an IC-based ensembles (J. Kay, CU)
9:45-10:30 Making sense of differences between simulated and observed historical climate change (B. Santer, LLNL)

10:30-11:00 break

11:00-11:45 Tropospheric dynamic changes (I. Simpson, NCAR)
11:45-12:30 Extremes (M. Wehner, LLNL and UC Berkeley)

12:30-1:30 lunch break

1:30-3:00 Practice lab

3:00-3:30 break

3:30-4:30 Closing lecture: CMIP6 (J.-F. Lamarque, NCAR)