Recent developments in model-data fusion for carbon and GHG science

The idea of this workshop is to evaluate the combined value of observations from large networks and emerging approaches in earth system modelling.

The workshop will consist in three sessions:

1. Data from observation networks and infrastructures (in-situ & satellite): This session shall discuss variables and datasets from observation-based research networks and infrastructures, show availability, and define requirements.

2. Model-data fusion approaches: Newest systems that use or have the potential to use in-situ observations from several networks or from a combination of in-situ and space observations will be presented.

3. Outreach of carbon and GHG research: Aiming at better communicating carbon research to the general public in the context of climate mitigation efforts. This session shall also provide a perspective to better link long-term observations to inventories.

The workshop will be held in Paris during the year where the COP21 will takes place, and therefore should evolve in this context.