



Developing operational climate services within C3S

Jean-Noël Thepaut, carlo Buontempo, Dick Dee, Freja Vamborg, Anca Brookshaw, and Cedric Bergeron
ECMWF, Copernicus Climate Change Service, Reading, United Kingdom (carlo.buontempo@ecmwf.int)

Through its Sectoral Information System, Copernicus Climate Change Service (C3S), implemented by ECMWF on behalf of the European Union, aims to support the development of a set of fully operational climate services addressing the needs of well identified users operating in a variety of different sectors.

After nearly two years of prototyping the proof of concept services developed are now becoming operational. This, among other things, means re-wiring the user-interfaces using only the datasets and the tools available through the climate data store, and establishing the processes for routine production of sectoral climate impact indicators. Here we present some of the most striking demonstrators alongside a series of reflections on the challenges associated to the development of an operational European climate service in a business oriented environment.