



## **Operational seasonal impact predictions by the Copernicus Climate Change Service**

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

Over the course of the last couple of years, the Copernicus Climate Change Service (C3S), implemented by ECMWF on behalf of the European Union, developed a number of applications operating on a seasonal time scale. These prototype services -which are currently becoming operational- address the needs of a variety of users in different sectors using the freely available C3S seasonal prediction data. Starting from a set of concrete service examples for the water, the agricultural and the energy sector we here present the general C3S strategy for developing applications of seasonal prediction using the C3S infrastructure. A particular emphasis is put on describing what is currently available in the Climate Data Store, what will become available in the near future and what additional opportunities will be for the research community.