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Status update on C3S

Dick Dee, Jean-Noël Thépaut, and Carlo Buontempo ECMWF, Reading, United Kingdom (dick.dee@ecmwf.int)

The Copernicus Climate Change Service is taking shape after two and a half years of intense collaborative development in Europe. A beta version of the C3S Climate Data Store (CDS) will be ready by mid-2017, with a first public release to follow in January 2018. The CDS will provide seamless and reliable access to a wide variety of quality-assured climate datasets, addressing a comprehensive set of Essential Climate Variables (ECVs) and derived climate change indicators. The CDS will also offer a powerful on-line environment for developing tools, workflows and applications to support downstream development of climate services. ECMWF together with many partners in Europe are working on development of high-quality ECV products derived from observations and reanalyses, multi-system seasonal forecast products and access to future climate scenarios based on model simulations. In addition, several proof-of-concept Sectoral Information System projects have been conducted together with potential users, in order to demonstrate the value chain from climate data to climate information. This presentation will provide an overview of what has been achieved so far, and what is still to come.