



Assessing and ensuring the quality of the Copernicus Climate Change Service Sectoral Information System

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The Copernicus Climate Change Service (C3S), implemented by ECMWF on behalf of the European Union, provides authoritative information about the past, present and future climate, as well as tools to enable climate change mitigation and adaptation strategies by policy makers and businesses. The Sectoral Information System (SIS) aims to provide best practice approaches for the use of C3S data, tools and information for applications in various sectors. Ensuring the quality of these SIS activities is key to guaranteeing that they are fit-for-purpose and user relevant. This quality assurance is one of the objectives of the Evaluation and Quality Control (EQC) component of C3S. Responsibility for the quality assurance of SIS activities is the remit of the EQC for SIS function; quality assurance of the C3S Climate Data Store (CDS) and Toolbox is performed by the parallel EQC for CDS function.

The EQC for SIS activities are focused on defining an assessment framework in line with best practice for climate information services and based on knowledge of user requirements for quality information. The framework will be used to check the completeness of information provision against various identified quality criteria. This information is then presented to users in an easy to access manner. It will support their fitness-for-purpose decision on the suitability of the SIS information and services for their own applications.

SIS activities that will be assessed include their main data output of climate impact indicators, as well as tools and scripts to process the data, derived outputs such as maps and plots, guidance on using the data and tools, and specific case studies / showcases and web applications.

The EQC for SIS function implementation is led by Telespazio VEGA UK (a Leonardo and Thales company), supported by DWD, GOPA Com., Met Office and TEC.

This poster will highlight the main aspects of the EQC for SIS framework and illustrate how the EQC information is to be provided. Feedback on these areas is welcome, as well as any other inputs regarding what is needed from the EQC quality assurance activities.