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## **Results of the Ozone Climate Change Initiative Project**

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Ozone is the most important radiatively active trace gas in the stratosphere and is an Essential Climate Variable interacting with atmospheric dynamics and climate. As part of the ESA Climate Change Initiative Programme the Ozone\_cci project (<http://www.esa-ozone-cci.org/>) has started during 2010 and produced during its first phase long term ozone data sets including total columns, nadir and limb profiles based on a series of different satellite measurements (e.g. GOME, SCIAMACHY, GOMOS, MIPAS, GOME2, IASI, OSIRIS, ACE, OMI). These time series are now being extended by tropospheric columns, UT/LS profiles and mesospheric data sets. The Ozone\_cci products, their geophysical validation and evaluation by Chemistry Climate modelers against well defined user requirements are being presented here.