

## **Representation of the stratosphere in ECMWF seasonal forecasting systems**

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The stratosphere is of potential importance for seasonal prediction both for its ability to have two-way interactions with the troposphere, and its role in facilitating the action of forcings such as volcanic aerosol, solar variations, and changes in ozone. The latest ECMWF forecast system includes an improved representation of both the stratosphere and some of the processes active within it. This poster describes the work done to improve the stratospheric representation, some of the challenges that were faced, and some examples of the impact on the seasonal forecasts.