

**S07-3**

**The use of satellite data in the Met Office for Numerical Weather Prediction and other forecasting applications**

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The Met Office provides 24/7 weather and climate services to the UK and international community. The basis for these services is good quality, timely observations from a range of in situ and remote sensing platforms. These observations are assimilated into a range of global and regional models. They are also used to generate a variety of imagery products that enable meteorologists to gain situational awareness. This presentation aims to describe:-

- Recent advances in the use of satellite data for Numerical Weather Prediction
- The use of simulated and real satellite imagery for evaluating forecast quality
- Recent advances in the use of satellite data and imagery for other environmental forecasting applications
- Future plans and challenges ahead for the use of data from new satellites