

**S001-01**

**B会場：11/25 AM2 (10:30-12:00)**

**10:40～11:00**

## **GRUAN：気候監視のための基準高層気象観測ネットワーク**

#藤原 正智<sup>1)</sup>

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## **GRUAN: A reference upper-air sounding network for climate monitoring**

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The Global Climate Observing System (GCOS) Reference Upper-Air Network (GRUAN, <https://www.gruan.org/>) is an international reference observing network of sites measuring essential climate variables above Earth's surface, designed to fill an important gap in the current global observing system. GRUAN measurements are providing long-term, high-quality climate data records from the surface, through the troposphere, and into the stratosphere. These are being used to determine trends, constrain and calibrate data from more spatially-comprehensive observing systems (including satellites and current radiosonde networks), and provide appropriate data for studying atmospheric processes. GRUAN is envisaged as a global network of eventually 30-40 sites that, to the extent possible, builds on existing observational networks and capabilities. In the presentation, an overview of GRUAN as well as GRUAN data products for radiosondes will be given.