## **SPARC** water vapour initiative

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- Instrumentation and data sets

- Distribution and variability of water vapour in the UTLS

- Reasons for the increase quantitatively not understood - Long-term changes of UTH difficult to assess

- Increase of stratospheric H2O since 1950, 1%/y

Topics:

- Data quality

Kev findings:

WCRP - 113, WMO/TD - No. 1043

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## **Towards a new Assessment?**

The new SPARC Water Vapour Initiative SPARC Newsletter No. 30, 2008

## Why now?

- New instruments and new/continued data sets
- New data/instrument quality approaches
- Stratospheric trend has changed
- A new topic: The supersaturation 'puzzle'
- Improved knowledge about processes
- Improved tools for impact studies and prediction





