



# SPARC

Stratosphere-troposphere  
Processes And their Role in Climate

## SPARC International Project Office



The SPARC (Stratosphere-troposphere Processes and Their Role in Climate) International Project Office, based at ETH Zurich since 2012, operates as a well-organized and competent team providing optimal support for SPARC, a core project of the World Climate Research Programme. SPARC's research focus is being extended to include certain aspects of tropospheric climate. An important reflection of this evolution is SPARC's strong involvement in the Chemistry-Climate Model Initiative (CCMI) and the Atmospheric Composition and Asian Monsoon (ACAM) initiative, both activities jointly run with IGAC (the IGBP International Global Atmospheric Chemistry project). SPARC science overall contributes significantly to global atmospheric science, including IPCC reports, UNEP/WMO ozone assessments, and the Global Framework for Climate Services (GFCS). The future direction of SPARC science is currently being pinned down in a new Implementation Plan.

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### SPARC Office scientific contributions

- **Ozone profile initiative (Si2N):** research and publications on ozone profile trends, contributing to e.g., the 2014 UNEP/WMO Ozone Assessment.
- **Lifetime of Halogen Source Gases:** contribution to the SPARC Assessment Report No. 6 and further scientific publications.
- **Chemistry-Climate Model Initiative (CCMI):** running model simulations and conducting research for publication.
- **Capacity development:** supporting the development of this new initiative.
- **Fact sheets:** Targeting the wider public, one fact sheet covering the impact of the Montreal Protocol on ozone and climate has been produced (available in German and French on the SPARC website).

### SPARC Office communication and network support

- **SPARC Website:** developing and maintaining a comprehensive web portal that serves as a vital communication tool for the SPARC community.
- **SPARC Newsletter and eNews:** production and layout of the renown biannual SPARC Newsletter and distribution of an eNews bulletin in email format.
- **SPARC Assessment Reports:** the SPARC Report No. 6, a 300-page volume, is currently being printed. The next report to be published is focused on Trace Gas Climatologies.
- **SPARC Annual Report:** production of the Annual Report, which covers SPARC's evolution over the past year providing an update of each activity.
- **Article for International Innovation** (December 2013 issue): highlighting SPARC's role in coordinating international atmospheric research for this magazine targeted at politicians and non-scientists across Europe.

### SPARC Office programmatic and administrative support

- **Address database:** developing and maintaining a community contact database. The SPARC Office is currently working on integrating this database into the website to improve networking possibilities.
- **General Assembly 2014:** supporting the highly successful 5<sup>th</sup> SPARC General Assembly, which took place in Queenstown, New Zealand, from 12-17 January 2014, particularly through the mobilization and distribution of sponsorship for early-career scientists and scientists from developing countries.
- **Meeting and workshop organization:** throughout the year the SPARC Office provides instrumental organisational support for activity meetings and workshops, as well as the annual SPARC Scientific Steering Group meeting.