



# EGU Media Tips

24 April 2005

EGU General Assembly 2005

*What:*

***New Ideas in Atmospheric Science***

*Where:*

***Wednesday, 27/4, 08:30 – 09:00 – Lecture Room 10 (E2)***

*Who:*

***Mike Fromm<sup>1</sup>: Polluting the stratosphere***

Large fires tend to create their own weather systems, which can induce tremendous deep convection and transport of pollutants from the burning regions into the upper troposphere and lower stratosphere. The transport especially into the lower stratosphere is discussed based on recent studies.

*Where:*

***Friday, 29/4, 13:30 – 14:00 – Lecture Room 9 (E1)***

*Who:*

***Michael Hantel<sup>2</sup>: Global observational energy budget studies***

From observational studies of the past two decades it seems possible today to use the budget laws of the ocean and the atmosphere not so much for determining unknown components as residuals but rather as a test whether the independently measured quantities add up to zero. One of the big questions in this context is the missing link of sub-grid scale processes in atmospheric energy conversion.

Our new estimates double the previous estimates of the global sub-grid conversion rate. It appears that sub-grid scale processes influence the large-scale circulation more effectively than expected from earlier studies.

## ***Links***

- 1) ORAL: [EGU05-A-08569](#); **Fromm, M.**; Servranckx, R.; Bevilacqua, R.; Nedoluha, G. Polluting the stratosphere: an assessment of the impact of pyro-cumulonimbus.
- 2) ORAL: [EGU05-A-06745](#); **Hantel, M.** Global observational energy budget studies.

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