Contribution ID: 3 Type: not specified

Sprites-induced chemistry

Monday, 30 September 2013 11:30 (45 minutes)

Lightning and high energy processes are observed in the atmosphere above thunderstorms. These phenomena impact the Earth's atmosphere through ion-neutral chemistry reactions leading to additional chemical sources which are as yet not included in the present picture of atmospheric chemistry and climate. In this talk, we will revise results of sprite-chemistry models and observations, and discuss the relevance of sprite perturbations at regional and global scales.

Presenter: Dr ARNONE, Enrico (ISAC-CNR)