



An overview of PROMOTE2: Delivering advanced operational services directly to users

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Building on a successful first Stage, the PROMOTE2 project, funded by the European Space Agency's GMES Service Element (GSE) programme, is a decentralized network dedicated to the provision of operational services which leverage off of the advantages offered by satellite data used in conjunction with models and in situ data to provide information on atmospheric composition. This presentation will provide an overview of the more than 15 services currently in the PROMOTE2 portfolio (www.gse-promote.org), all of which use advanced modelling techniques or data assimilation to provide over 50 users with information on the atmosphere. These services include: current and forecasted near-surface air quality on urban- to European-scales; the state, history and forecast of global stratospheric ozone and resultant levels of surface UV radiation; present and past records of levels of atmospheric pollutants and desert dust as well as outbreaks of volcanic activity of interest to the commercial aviation community; levels of greenhouse gases and aerosols necessary for studying climate change; forecasts of pollen levels; and a scenario tool for policy support at regional levels. The PROMOTE2 project will run from 2006-2009.