



ESA's Climate Change Initiative

UNFCCC COP16 – Cancun, Mexico
Thursday 2 December 2010
15:00 – 16:30, Room Monarca

The side event will inform on a major European initiative on space-based observations for GCOS. Long-term satellite data provides a unique global record of recent climate change which, with in-situ data and climate models, underpins scientific understanding of climate change. GCOS defined the Essential Climate Variables (ECV) which provide unique information assisting the successful understanding and management of climate change. Examples of ECVs will be given on fire and sea level trend and their input towards climate models. The event will conclude with the operational continuation of space based observations and the coordinated effort of Space Agencies to inform on climate change.

Chairman: Olivier Arino (ESA – Senior Advisor)

Opening of the Side Event and introduction to ESA's CCI

Roger Saunders (U.K. Met Office Hadley Centre – Senior Earth Observation Scientist)

Bridging the gap between satellite datasets and climate models

Emilio Chuvieco (Universidad de Alcalá, Spain – Professor of Geography)

Global Observation of Biomass Burning (ECV Fire)

Anny Cazenave (LEGOS, France – Director of Research)

Monitoring sea level rise from space

Frank Martin Seifert (ESA – EO Application Engineer)

Sentinels providing operational EO Data Continuity

Stefano Bruzzi (CEOS representative)

Coordination of Space Agencies to Support Climate Change

Discussion

Refreshments will be served after the side event.

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