

IGWCO International Soil Moisture Working Group

Peter J. van Oevelen

European GEWEX Coordinator

Based upon contributions from Tom Jackson



CEOP-IGWCO Joint Workshop
2006



Former Objectives 2004/2005

- Improve the quality of products from current satellites
- Coordinate forthcoming exploratory missions
 - (ESA's SMOS and NASA's Hydros)
- Satellite cross calibration
- Increase the acceptance of satellite soil moisture products
- Promote participation and sharing of data from field experiments designed to address the objectives listed above.
- Provide a forum for research in soil moisture by establishing a website, newsletter, and establishing links with national and international groups that would contribute to these objectives



CEOP-IGWCO Joint Workshop
2006



What has changed

- Hydros mission cancelled
- NASA's Budget situation has unclear effect on US Soil Moisture Activities
- ESA clear commitment to SMOS with planned launch September 2007
- ECMWF strong interest in Soil Moisture Assimilation



CEOP-IGWCO Joint Workshop
2006



Current Objectives 2006

- Improve the quality of products from current satellites
- Coordinate SMOS mission with other relevant missions
- Satellite cross calibration
- Increase the acceptance of satellite soil moisture products
- Promote participation and sharing of data from field experiments designed to address the objectives listed above.
- Provide a forum for research in soil moisture by establishing a website, newsletter, and establishing links with national and international groups that would contribute to these objectives
- Development of a Global In-Situ Soil Moisture Network



CEOP-IGWCO Joint Workshop
2006



Planned and Current Key Activities

- Workshop on Global In-Situ Soil Moisture Network (28-29 March '06 at ESA-ESTEC)
- Stronger participation in Global Terrestrial Network – Hydrology (GTN-H)
- Development of a Quasi Operational Soil Moisture product
- Stronger co-operation with operational weather forecasting centres – facilitate assimilation of satellite soil moisture products



CEOP-IGWCO Joint Workshop
2006



GEOSS

- ISMWWG Activities are all contributions to GEOSS
- Needs: Meeting logistics and support, in-situ equipment for lesser developed countries
- Areas of Attention: S- America, SE Asia and Africa



CEOP-IGWCO Joint Workshop
2006



Thank you for your attention



CEOP-IGWCO Joint Workshop
2006

