Monitoring Inland and Coastal waters with the APEX Sensor

MICAS

http://micas.vgt.vito.be/

VITO & RSL

Els Knaeps, Dries Raymaekers, Sindy Sterckx
Daniel Odermatt
Objectives

STEREO II spin-off project, start Jan. 2009, duration = 2j 3m

The main objectives of the project are

(1) to find water quality algorithms optimized for APEX which can be implemented into the APEX PAF

(2) to automatically generate accurate concentration maps of chlorophyll, CDOM and suspended matter.
Methodology

- SIOPS database
- Hydrolight simulations
- BINGO/MODO
- Atmospheric correction

Algorithm development

Error and sensitivity analysis validation

Implementation in APEX PAF

APEX test flight
... have a look at the poster