



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

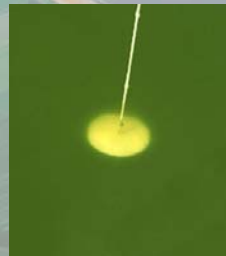
Objectives

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

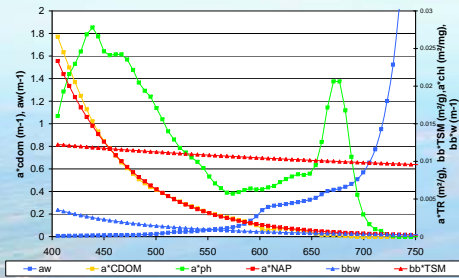
the **main objectives** of the project are

(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



An aerial photograph of a wide river delta, likely the Rhine-Meuse delta, showing a complex network of waterways and islands. The foreground is dominated by a patchwork of green agricultural fields, some with distinct patterns. The river water is a deep blue, contrasting with the lighter blue of the sky. The horizon is visible in the distance under a clear sky.

...

have a look at the poster