Development of an EnMAP-Routine to Map and Monitor Submersed Marine Macrophytes - KelpMAP

Objectives:
- Quantify submersed aquatic macrophytes in case II coastal waters
- Develop an EnMAP to identify submersed aquatic macrophytes (kelps)

Duration:
- October 2010 till June 2013

Products / Parameters:
- EnMAP routine to
  - Extract vertical distribution of kelps
  - Unmix and classify submersed vegetation
- Development of a concept to assess coastal (sublitoral) habitat types using EnMAP data
Added Value (quantitative / qualitative):
- Knowledge of limitations of EnMAP products in turbid coastal waters
- Routine for EnMAP Toolbox
- EnMAP concept to assess coastal habitat types

Involved Organisations:
- CAU / Alfred-Wegener-Institut für Polar- und Meeresforschung / EoMAP / OHB / FIELAX

Additional:
- Project area: Helgoland
- EO data source: AISAeagle August 2010 and July 2011
- Validation data (water constituents, RAMSES, diving transects, echo-sounding transects, secchi depth, Felswatt mapping, field spectroscopy)

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