

## The world expedition Galathea 3 seen from Satellite Eye

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The Galathea 3 expedition is on its world tour in years 2006 and 2007. It started 11 August 2006 from Copenhagen and will end there 27 April 2007. During the 8 months the Galathea 3 expedition will circumnavigate the globe passing Greenland, South Africa, south of Australia, Polynesia, Antarctica, west of South America and through the Panama Channel to the eastern coast of North America. The ship can be tracked from www.satelliteeye.dk which is the web-homepage of the project 'Satellite Eye for Galathea 3'. In Satellite Eye a large amount of satellite images are acquired in near-real-time and shown in Google Earth. Furthermore observations from the ship, including meteorological and oceanographic content, are available. The entire data set is used in education for upper primary school and secondary school classes. The educational material includes 9 continuous cases e.g. algae concentrations, sea surface temperature and wave height, ocean wind, urban area and land use in harbors, etc. There are also 24 site-specific cases available, several of those are produced in co-

operation with the scientists on-board the ship. Included are also site specific studies made by secondary school class with two students and one teacher onboard the ship and with the remaining class working in parallel in the classroom at home. The main goal of the Galathea 3 expedition is to stimulate the interest of young people in natural science. Satellite Eye is supporting 17 science projects and 3 school classes onboard with satellite images. A broad range of natural science projects and environmental studies are included. The students can analyze satellite images in the classroom with software made freely available from ESA Eduspace. ESA is an important partner in the Satellite Eye project providing a large amount of Envisat, PROBA and SPOT images along the route. Images from several other satellites are also used. The overall concept of Satellite Eye will be presented along with examples from different education cases.