



Communication on partners' actions

Name and postal address of your institute	Royal Netherlands Institute for Sea Research (NIOZ), PO box 140, 4400 AC Yerseke, The Netherlands
Contact Full name : Role in your institute :	Jacco C. Kromkamp Senior scientist
Simple text to define your institute's work and missions	The role of the NIOZ is to gain and communicate scientific knowledge on seas and oceans for the understanding and sustainability of our planet. To this end, NIOZ facilitates and supports fundamental as well as applied marine research and education in the Netherlands and Europe. In addition, the department of 'Marine Research Facilities' supports the seagoing research for institutes and universities in the Netherlands.
Simple text to identify the link of your work with the ISECA project	Main role of NIOZ is the one of end user, hence evaluate the products developed in the ISECA project. In addition I advice on the development of products using my expertise.
Simple text to define main topics you are working on and which are interesting for other scientists	My research interests are: Photobiology (especially with regard to rapid photoacclimation and the relationship between photosynthetic electron transport and C-fixation), establishment of long term time series of primary production, ecology and physiology of phytoplankton and microphytobenthos, mass algal cultures (biotech), application of remote sensing and the physiology/ecology of stromatolites
Simple text to define topics you are working on and which are interesting for the public at large	1), phytoplankton monitoring and primary production measurements in the Dutch estuaries and the Wadden Sea, 2) I investigate the relationship between light absorption, the initial steps of photosynthesis and C-fixation and look at the molecular biology behind this (new research line), 3) apply these techniques to develop autonomous primary platforms for use on ships of opportunities (commercial ships). 4) Investigate algal composition, growth rate and C-flows into different metabolic pools (storage carbohydrates and lipids (for biodiesel) by using industrial size photobioreactors. 5) Investigate the photosynthetic performance of the cyanobacteria in the different development forms of stromatolites. 6) Investigate the effect of nutrient limitation on algal growth.
Which are the events you organize or in which you participate? (please precise their name and dates)	1). I coordinate the EU-FP7 project PROTOOL (1 Sept-2009 -31 August 2012) which develops autonomous primary platforms for use on ships of opportunity (www.protocol-project.eu). 2) I'm co-coordinator of the IN-PLACE project (financed by the Dutch Organisation for Scientific Research (NWO, ongoing) which develops a coastal monitoring platform in the western Wadden Sea based on automated sensors in combination with field work). 3) I coordinate the P-reduce project (financed by NWO, ongoing) which investigate the role of P-reduction on the lower trophic levels in the Wadden Sea

foodweb. 4) I carry out primary production measurements in the monitoring programmes OMES (financed by Flanders, Belgium, ongoing) and 5) the same for MONEOS (financed by Ministry of Infrastructure and Environment, the Netherlands) which takes place in the Scheldt river and Scheldt estuary. 6) I participate in the Seed Mussel Collection program (coordinated by IMARES) in which we investigate the effect grazing by mussel and other filters on the carrying capacity in the Eastern Scheldt estuary and the Dutch Wadden Sea.