

....HYPOX partner institutions

Partner 16:

NIOO-KNAW (Yerseke, Netherlands)



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Netherlands Institute of Ecology

www.nioo.knaw.nl



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Netherlands Institute of Ecology

- NIOO is part of the KNAW
(Royal Netherlands Academy of Arts and Sciences)
- NIOO comprises three centres (Limnology, Terrestrial Ecology and Estuarine and Marine Ecology)
- Centre for Estuarine and Marine Ecology in Yerseke focuses on basic and strategic ecological research at the interface of land-ocean and ecology and biogeochemistry
- 85 persons in Yerseke of which ~ 10 tenured scientific staff
- Department of Ecosystems Studies is HYPOX partner



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Department of Ecosystem Studies

- Faculty

Carlo Heip, Karline Soetaert, Filip Meysman and Jack Middelburg

- Real work

2 technicians, 6 postdocs, 10 PhD students, ++

- Research at interface of ecology and biogeochemistry

- Biogeochemistry of estuarine and coastal ecosystems
- Animal-sediment interactions
- Elucidation of coastal and benthic food webs
- Marine biodiversity and ecosystem functioning

- Modeling of sediment biogeochemistry, bioturbation/diffusion and benthic pelagic coupling

- Stable isotope approaches to unravel ecosystem functioning



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Role of NIOO in HYPOX

- Link to SCOR WG 128 on Hypoxia
- Leader and contributor to WP2 on modeling and prediction of oxygen levels and their effect on ecosystems functioning
- Contributes to WP 3, 4, 5 and 8
- Responsible for couple of deliverables (D2.5; D2.8; D3.4)
- Non-linear response of coupled biogeochemical systems and coupled benthic-pelagic system
- Are happy to contribute to experimental work with deliberate tracer techniques (biomarker & isotope techniques to link identify with activity)

