

Note from our Director Dr Martin Johnson

Welcome to the May 2017 M-KEN newsletter! We have had a busy start to the year - In February we officially launched the Norfolk and Suffolk Coastal Network at envEXPO 2017. We also launched our newly developed database providing access to marine and coastal research for policy-makers and coastal/marine management practitioners. We have supported the impact pathway for two recently funded research grants, which will keep us busy over the next couple of years (more below). I would especially like to draw your attention to the survey on sector needs in water chemistry modelling that M-KEN and the Scientific Committee for Ocean Research are jointly promoting. There are a number of marine relevant cross-sector funding opportunities coming up (details below) and whether you work at a private sector, public or research organisation we can assist in finding partners or building consortia for these bids. If you would like to work more closely with us, include articles or events in our newsletter or website we'd love to hear from you at mken@uea.ac.uk. Thanks for reading.



AlterEco

M-KEN are delighted to be working over the coming months with the research team for the recently funded NERC project 'An Alternative Framework to Assess Marine Ecosystem Functioning in Shelf Seas (AlterEco)'. This project will be led by the National Oceanography Centre (NOC) in Southampton, in partnership with the University of Liverpool, University of East Anglia, Scottish Associate for Marine Science, Cefas and the Plymouth Marine Laboratory. The project will develop a novel monitoring framework using autonomous observing systems including UEA's seagliders and Cefas' waveglider to deliver improved spatio-temporal understanding of the key shelf sea ecosystem drivers, to better inform policy makers, implementing bodies and marine survey enterprise as well as primary research. The project will officially launch over the next couple of months so keep an eye on our website and in future newsletters for updates, or register your interest at MKEN@uea.ac.uk





Norfolk and Suffolk Coastal Network

The Norfolk and Suffolk Coastal Network (NSCN) was officially launched at the [envEXPO](#) in February. The new database was also launched and we are keen for everyone to get involved and contribute. Please see below item on 'mapping your coastal research' for a quick link to the database. Further information can also be found on our blog. Click [here](#) to read all about it.

CHEMICAL SPECIATION MODELLING IN NATURAL WATERS

We are delighted to announce we will be working with the research team for the recently funded trans-Atlantic project 'A Thermodynamic Chemical Speciation Model for the Oceans, Seas and Estuaries' over the coming months. This project will be led by the University of East Anglia, in partnership with the Scripps Institution of Oceanography and Woods Hole Oceanographic Institution. The project will provide a user-targeted modelling environment for chemical speciation in natural waters, applicable to the chemistry of ocean acidification and nutrients and contaminants, in environments including the open oceans, estuaries and coastal waters, enclosed seas, porewaters, and paleo-oceans. M-KEN is pleased to be supporting the user engagement activities of this project and to have helped to put together the aforementioned survey on user needs and priority areas for the development of the model within the project.

MARINE AND FRESHWATER CHEMISTS – WE NEED YOUR HELP!

We would like your help: chemical speciation modelling tools--encompassing pH, the carbonate system, and nutrient availability and toxicity--are being developed for marine scientists and businesses by Working Group 145 of the Scientific Committee on Oceanic Research. The working group title is "Modelling Chemical Speciation in Seawater to Meet 21st Century Needs" (http://www.scor-int.org/SCOR_WGs_WG145.htm). Our efforts are supported by 3 years of funding, initially, and involve an informal consortium of groups in several countries.

We want to make sure we understand the speciation modelling needs of industry, and public sector and non-governmental organisations involved in marine science, as well as academia. This understanding will help shape the development of the speciation model and modelling tools (computer programs). We'd therefore be grateful if you would complete the Web-based questionnaire at the address below, to help generate a picture of the requirements of users.

SURVEY ADDRESS:

<https://www.surveymonkey.com/r/Z5R7TWK>



Realising East Anglia's blue growth ambitions – from land to sea

Blue Futures – update

Blue Futures are presenting at two conferences so far this year:

Marine Science Research and Technology Conference – May 2017

Hosted and organised by Clyto Access in Malaysia. Our paper will be presented by Katherine Kennedy of Blue Ltd. Please click on the below link for further information.

<https://www.clytoaccess.com/marine-science-research-and-technology-conference#1>

RGS IBG (royal Geographical Society, Institute of British Geographers) – August 2017

Our paper will be presented by Irene Lorenzoni (M-KEN, UEA) in a session on Coastal Resilience across boundaries and disciplines. Please click on the below link for further information.

<http://www.rgs.org/WhatsOn/ConferencesAndSeminars/Annual+International+Conference/Annual+international+conference.htm>

NEWS, INPUT & OPPORTUNITIES

News

Do you have any news?

If you would like to publish anything via this newsletter or our website please get in touch (mken@uea.ac.uk).

Mapping Your Coastal Research

We are currently collecting information about past, present and proposed research which includes evidence from and/or impacts upon the East Anglian coastline. This will be used to create a map of research evidence, spatial and temporal, to aid evidence-based decision making by regional coastal management groups. If you have any projects or research you would like to include please [click here](#).

Growing UK's Offshore Aquaculture Sector

29th June 2017 - Norwich

Save the date! Keep an eye out for information on our upcoming event on macroalgae and feel free to let us know if you would like to join us.

EEEGR and Skills for Energy event

22nd June 2017 – Norwich City FC

Developments in Marine Survey and the Offshore Wind Supply Chain. Speakers include Cefas, Gardline, Fugro and Siemens. For more information check out our [event section](#) on our website.

Sustainable Ocean Summit (SOS)

29th Nov – 1st Dec 2017 – Halifax, Canada

The 5th edition of the [Sustainable Ocean Summit \(SOS\)](#) will take place in Halifax, Canada, 29 November – 1 December 2017. The theme of this three days conference event organized by the World Ocean Council (WOC) is : *The Ocean Sustainable Development Goal (SDG 14): Business Leadership and Business Opportunities.*



Forthcoming impact and innovation funding opportunities from the Natural Environment Research Council (NERC)

NERC supports collaboration between research-users and researchers via various impact and innovation and training funding schemes. The following upcoming calls provide research users from any sector the opportunity to benefit from existing research knowledge or steer new research directions to solve their key problems. M-KEN can help link up research users with researchers across the UK marine and coastal research communities to develop compelling bids to these schemes. Often there is little or no financial burden on the research user / beneficiary, although some expectation of in-kind contribution (time, access to equipment, hosting a researcher etc). M-KEN can help to link interested research users with a particular problem or question with academics and researchers who can lead collaborative bids to secure funding. For more information, to express interest or if you have a specific idea for a project and need a partner from a UK university or research institute, please email mken@uea.ac.uk

Open and upcoming calls

1) NERC iCASE studentships. Deadline 6th July 2017. <http://www.nerc.ac.uk/funding/available/postgrad/focused/industrial-case/competition/>

NERC iCASE studentships are delivered in collaboration with non-academic partners from the private, public and third/civil sectors; and provide the partners with the opportunity to influence the research undertaken to help answer key questions or solve specific problems. Where studentships are delivered in collaboration they are referred to as 'CASE studentships'. CASE studentships provide the PhD students with enhanced training opportunities by ensuring they spend between three and eighteen months in total with their CASE partner in a workplace outside the academic environment. These studentships are supported by a 1K or greater per year contribution from the industry partner. NERC will fund the full costs of a standard studentship including research costs, which amounts to approximately 90K over 3.5 years.

2) NERC Innovation placements: Deadline 29th June <http://www.nerc.ac.uk/funding/available/schemes/innovation-placements/>

NERC wishes to award a number of Open Innovation Placements. Placements will work within a host organisation, on a specified project or one of their choosing, which is organised independently of NERC. Researchers will explore and demonstrate how partner organisations can make use of scientific knowledge, data, models or other tools to understand and manage their impacts and/or dependencies on the environment. NERC will cover 100% of the placement's salary on a pro-rata basis, including superannuation, National Insurance and specific allowances, plus travel and other associated costs.

Information about other open innovation calls with NERC can be found here: <http://www.nerc.ac.uk/funding/available/schemes/>

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www.marineknowledge.org.uk

