

# env EXPO

27 February - 01 March 2017



John Innes Conference Centre | Norwich Research Park

## Valuing Nature & Natural Resources

1 March 2017

0930 Arrival, Registration & Refreshments

### KEYNOTES

1000 Professor Jörg Wiedenmann

Head of the Coral Reef Laboratory, University of Southampton, National Oceanography Centre

#### ***Nutrient Stress and Coral Reefs***

*Shallow water coral reefs thrive mostly in the clear tropical waters. They hold about a 25% of all marine biodiversity and are among the most productive ecosystems on earth. As long ago as 1842, Charles Darwin was fascinated by the extraordinary productivity of corals reefs in extremely nutrient poor environments, an observation which later became known as the Darwin Paradox. A key factor in the success of corals is their symbiotic relationship with unicellular algae that live in their tissue and enable them to acquire nutrients from multiple pathways. But the algal partner can also become an Achilles' heel, since it renders the association vulnerable to heat stress. The resulting breakdown of the symbiosis manifests itself as the often fatal coral bleaching. I will discuss insights into how nutrient pollution can affect the symbiotic relationship between corals and their algae and render reefs more vulnerable to global warming. Understanding these mechanisms is an important prerequisite for knowledge-based coastal management strategies to promote the resilience of coral reefs.*

1020 Phil Cryle

EFTEC: Corporate Natural Capital Accounting (CNCA) and the Natural Capital Protocol Frameworks

***Changing the way businesses think about natural capital***

## 1040 Rufus Howard

Director of Sustainable Development at Royal Haskoning DHV, Chair of the IEMA Impact Assessment Steering Group

### **Impact Assessment: Balancing Growth with Environmental Protection**

*This talk will explore the trade-offs and difficulties inherent in valuing nature and the environment and then assessing the impacts of development and use of natural resources against these values. The talk goes on to explore how new technology, social media and big data are effecting perceptions between growth and protection. An innovative case study is presented based on the Industry Evidence Programme, a unique partnership approach across academia, public, private and NGOs to illustrate the state of impact assessment and the valuation of nature within the offshore wind industry.*

## 1100 Refreshments & Networking

## 1130 Innovation Panel Session

**What is innovation and entrepreneurialism? What does it really mean for universities?**

- Rufus Howard (Chair), Director of Sustainable Development at Royal Haskoning DHV, Chair of the IEMA Impact Assessment Steering Group
- Dr Vittoria Danino, Head of the Anglian Centre for Water Studies, Anglian Water
- Iain Dunnett, Growing Places Fund and Green Economy Pathfinder, New Anglia Local Enterprise Partnership.
- Professor Jason Weeks, Director of ERA and Head of Business Development & Marketing, JNCC.
- Dr Andrew Gates, Oil Spill Response Ltd.

## 1245 Lunch & Networking

## 1330 The Big Societal Challenges | Parallel Sessions

A continuation of the parallel sessions from the previous day, including scrutiny of material and a working session to debate, prepare and form a response to some of the questions posed.

<b>Water &amp; Oceans</b>	<b>Ecology, Food Security &amp; Agri-Technology</b>	<b>Infrastructure &amp; Energy: Resilience, Risk and Decision Support</b>
Prof. Mark Moore, University of Southampton, National Oceanography Centre	Rufus Howard, Director of Sustainable Development at Royal Haskoning DHV, Chair of the IEMA Impact Assessment Steering Group	Michelle Bentham, Head of Innovation, British Geological Survey
Bethany Stoker, Head of Marine Evidence, Joint Nature Conservation Committee	Alice Midmer, IFM (Integrated Farm Management) Manager, LEAF Linking Environment & Farming	Dr Oscar Hui, Lecturer in Mechanical Engineering, University of East Anglia
Dr David Righton, Behavioural Ecologist, Cefas		Dr Stephen Hallett, Principal Research Fellow, Cranfield University.
Dr Andrew Gates, Oil Spill Response Ltd.		

**1515 Big Societal Challenge Presentations**

Presented by Postgraduate Research Students representing five of the UK's foremost research and training partnerships funded by the Natural Environment Research Council (NERC).

**1615 Panel Session | Reflection and Feedback**

A session to reflect and feedback on the Big Societal Challenge Presentations and poster competition entries. To include presentation of prizes for the poster competition.

**1630 Refreshments & Networking**

**1700 Close**

Feedback form included in delegates pack

