

Dr Carol Turley, OBE

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Dr Carol Turley's research has been centred on the ocean's biogeochemical cycles looking at habitats from shallow and deep-sea sediments, estuaries, frontal systems to large enclosed waters. In the last 14 years she became interested in ocean acidification and was a member of The Royal Society Working Group on ocean acidification and a Lead Author on the 2007 Intergovernmental Panel on Climate Change (IPCC) 4th Assessment Report on Climate Change, a Review Editor for the 5th IPCC



Assessment Report and is currently a Review Editor for the IPCC Special Report on the Ocean, Cryosphere and Climate due in 2020.

Carol was/is a member of the Executive Board of the EU funded European Project on Ocean Acidification (EPOCA), the EU funded Mediterranean Sea Acidification in a Changing Climate (MedSeA) project and was the Knowledge Exchange Coordinator for the UK Ocean Acidification (UKOA) Research Programme funded by NERC, Defra and DECC. She was a member of the SOLAS-IMBER Ocean Acidification Working Group and chaired the Advisory Board for the Ocean

Acidification-International Coordination Centre at the IAEA, Monaco and is a founding member of the international Ocean Acidification Reference User Group. She was a member of the international Science Advisory Boards for the German and US national ocean acidification programmes. She has contributed to stakeholder or policy targeted publications with MCCIP, WMO, The World Bank, UNEP, IUCN, IAEA and IOC-UNESCO. She has giving evidence to the UNFCCC SBSTA in Bonn and since 2009 presented at side-events at the annual UNFCCC Conferences of the Parties, at the Earth Summit Rio+20 in 2012, at the UN in New York in 2013 and the Convention on Biological Diversity COP in S. Korea in 2014. She spoke at the Ocean Acidification Panel, giving the science presentation at the Our Ocean Summit at the US State Department in 2014 attended by Heads of State from 80 countries.

Carol briefs a wide range of interested global stakeholders including UK Government departments, Ministers and Chief Scientists on the latest science of ocean acidification, warming and deoxygenation and has presented in the Houses of Parliament and European Parliament. She has published and presented on a wide range of topics within the field of ocean acidification, ranging from its cause, chemistry, impacts and the potential social, economic and political consequences. She has over 130 peer reviewed publications and has been an invited speaker at numerous international conferences. She currently holds a senior NERC Knowledge Exchange Fellowship. She received an OBE for services to science in the 2011 New Year's Honours List.