

**Peter Wadhams**

**Professor of Ocean Physics and Head of the Polar Ocean Physics Group  
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Peter Wadhams is head of the Polar Ocean Physics Group and is UK's most experienced sea ice scientist, with 40 years of research in sea ice and ocean processes in the Arctic and the Antarctic.

He is Professor of Ocean Physics and is the author of numerous publications on dynamics and thermodynamics of sea ice, sea ice thickness, waves in ice, icebergs, ocean convection and kindred topics. The current main topics of research in the group are sea ice properties, dynamics and distributions in thickness and concentration.

He has led 42 research expeditions to the polar seas and has worked extensively from Arctic submarines, most recently, in 2007 on board of HMS Tireless, using multibeam sonar to measure ice topography. He was a pioneer in the use of AUVs under sea ice, with successful missions using Maridan, Autosub II and Gavia vehicles.

He was coordinator of the EU FP5 GreenICE and CONVECTION projects and is currently on the Steering Committee of EU FP6 DAMOCLES and on the Scientific Committee of the European Environment Agency. In 1990 he received the Italgas Prize for Environmental Sciences, and he has also been awarded the Polar Medal (UK) and the Bruce Prize of the Royal Society of Edinburgh. As well as being Professor at Cambridge he is an Associate Professor at the Laboratoire d'Océanographie de Villefranche, run by Université Pierre et Marie Curie, Paris.