



Prof. Dr. Karen Helen Wiltshire

Biosciences | Shelf Sea System Ecology |
Coastal Ecology, Alfred Wegener Institute,
List/Sylt

Following the
lecture, the WEB
invites anyone inter-
ested in talking to Prof.
Wiltshire to stay for some
discussion with coffee
and biscuits!



“IT WAS VERY EXCITING IN THOSE DAYS.
WE WERE EXPLORERS.”

Marie-Tharp [1920-2006], Oceanographer

Friday, 29th November 2019, 10:45 a.m.

GEOMAR Lecture Hall West (R.54) | Düsternbrooker Weg 20, 24105 Kiel

Warmer Waters: New Habitats, New Species. Resilience and Adaptations



Shallow shelf seas are subject to immense pressures due to direct human use and increasingly due to climate change. European coastal seas are warming up to two times faster than the open ocean. As a result sea level rise is also faster and the spatial and physical pressures on intertidal habitats are increasing.

Neobiota enter these ecosystems on a constant basis and become part of new food webs and structures. Their success is often dependent on the lack of cold winters and the fact that there is still abundant space for establishment of new species in temperate habitats.

The growth shifts of indigenous species as a result of seasonal and geographical shifts are discussed in this presentation. Overall the pressures on shallow marine coastal ecosystems are examined and future scenarios placed in a global context.