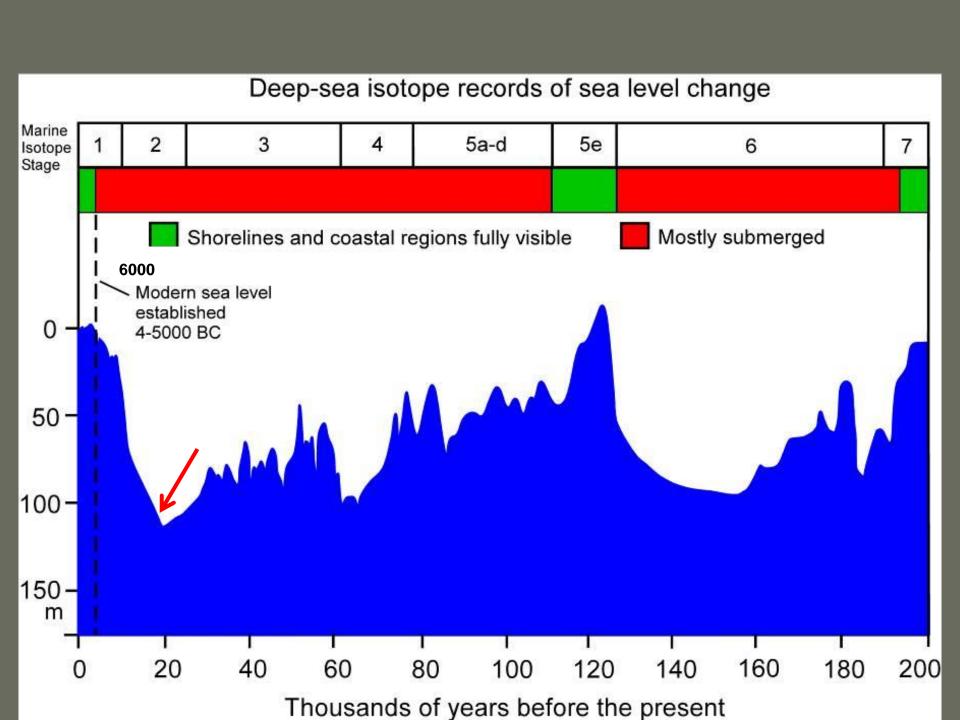


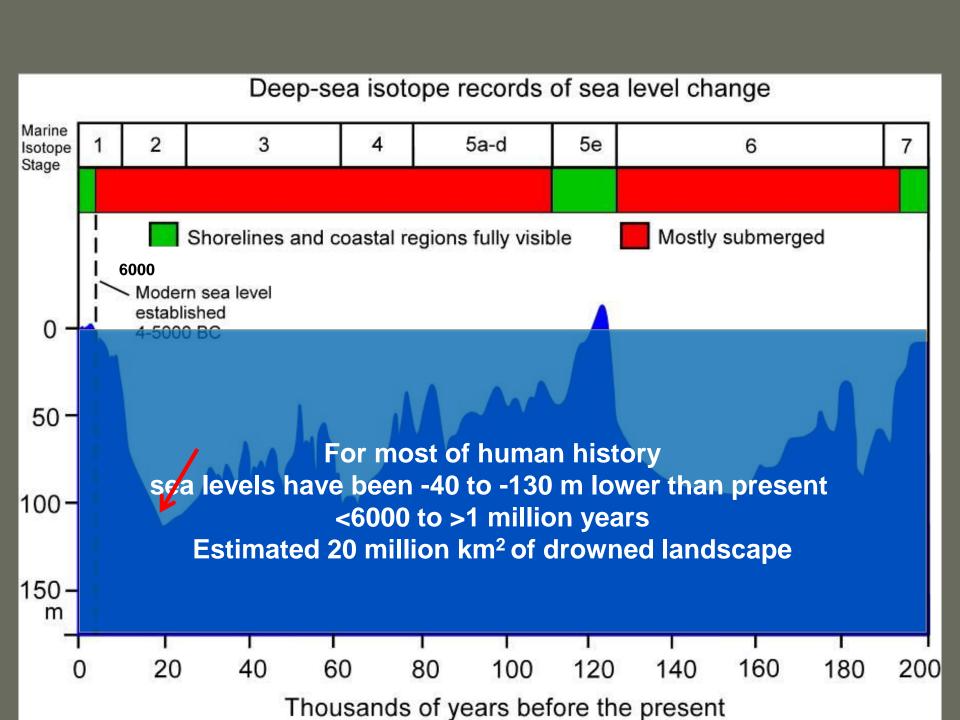
Introduction

Geoff Bailey University of York

What's the Connection?









If sea level continues to rise at the present rate

And all the ice sheets melt

What will Europe look like in 10,000 years time?

And what will archaeologists of the future make of the remains of our civilization?

Continental Shelf Prehistoric Research What's Missing?

- European land mass increased by 40%
- The best territory for human settlement and dispersal at all periods
- (ecology, climate, water supplies, soil fertility, access routeways)
- Early human evolution and dispersal 1my onwards
- Development of fishing 150k ++
- Origins of seafaring 50k ++
- Extinction of the Neanderthals 40-25k
- Pre-agricultural colonization of Mediterranean Islands 13k
- Earliest Near Eastern agriculture 12k (underwater village of Atlit Yam)
- Mediterranean farming dispersal 8k
- Roots of Minoan and Bronze Age civilizations 5.5k (underwater town of Pavlopetri)

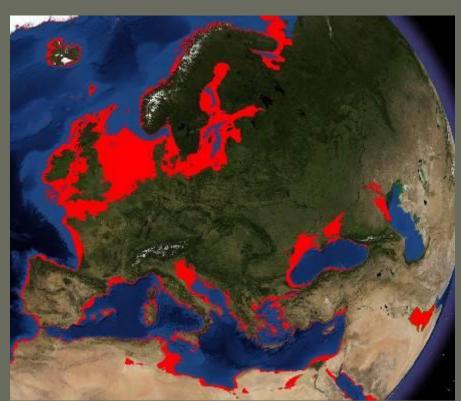


Image courtesy of Simon Fitch, Ben Geary University of Birmingham Data from USGS Ned & ETOPO2

What survives on the seabed?





DENMARK

Anders Fischer



Ole Grøn

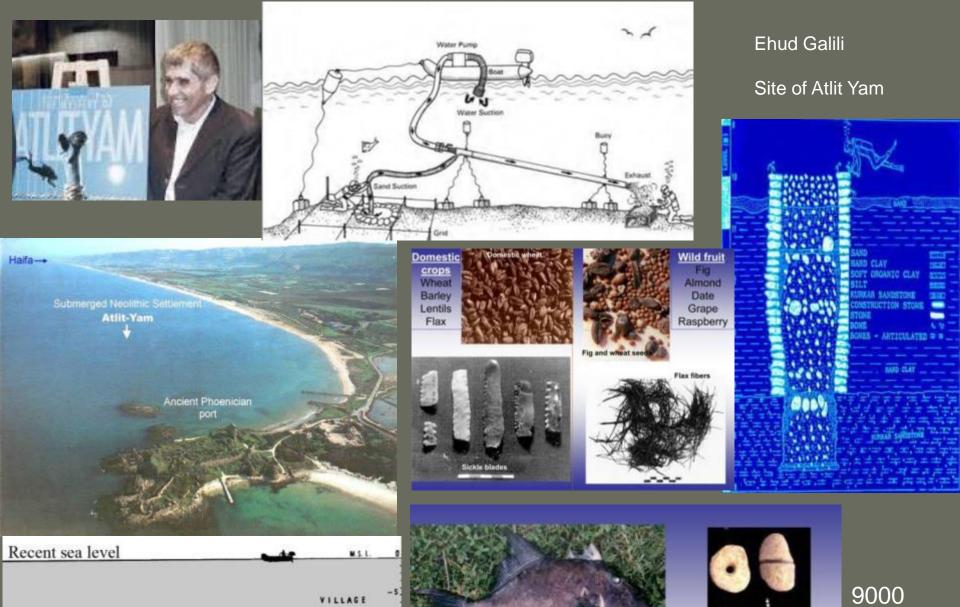












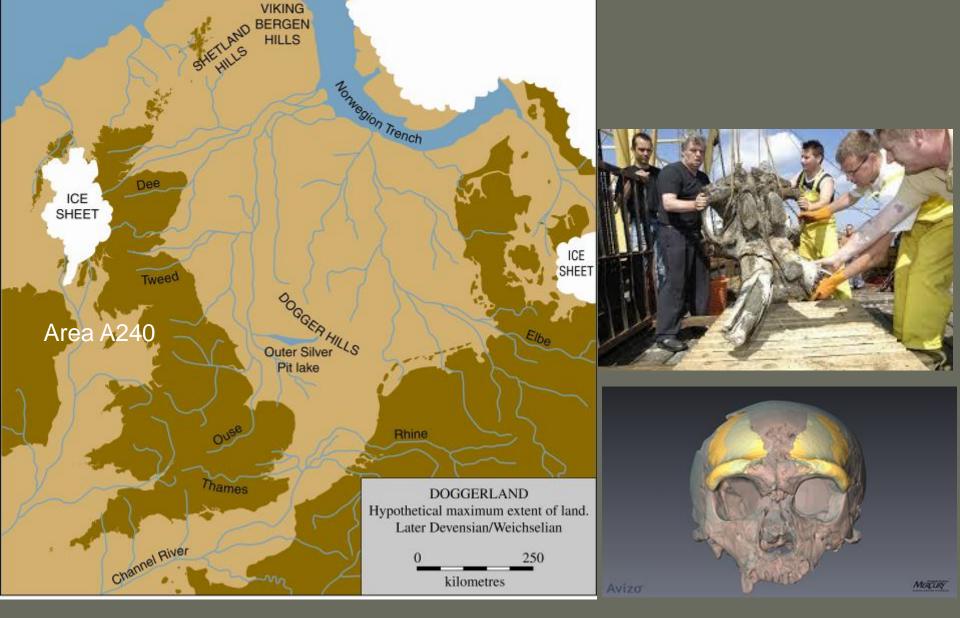
Trigger fish (Balistes carolinensis)

years

Ancient stone weights used for fishing

North Sea Palaeolandscapes Project: Vince Gaffney et al. seismic records from the North Sea oil and gas industry (University of Birmingham)

SHEET



North Sea Palaeolandscapes Project: Vince Gaffney et al. seismic records from the North Sea oil and gas industry (University of Birmingham) seismic source cable (streamer) containing receivers

THE UNIVERSITY of York





COST Action TD0902 SPLASHCOS: 2009-2013 www.splashcos.org

Originating from Project Deukalion established in 2008 by Nic Flemming

Submerged Prehistoric Archaeology and LAndscapeS of tHe COntinental Shelf

Chair: Geoff Bailey, University of York; Vice-Chair: Dimitris Sakellariou, Hellenic Centre for Marine Research



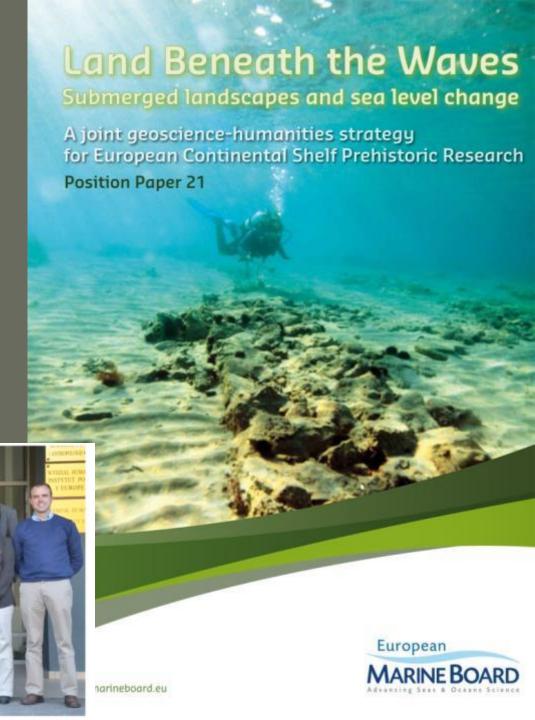




- Research coordination and planning; 25 European States; >100 members
- Archaeologists, marine geoscientists, heritage managers, industry representatives
- 8 workshops and meetings; 6 training schools for Early Stage Researchers
- Website with reports on techniques, facilities, collaboration with industry, outreach
- Publications
- Stimulated 23 projects and €20 million Inter-Reg, FP7, ERC, national, bilateral
- Critical mass on threshold of creating new discipline
- Databases linked to EMODNET and Geo Seas web portals

"...our submerged cultural heritage is not a renewable resource; it is a unique, irreplaceable cultural asset, which can provide answers to many research questions about our prehistoric ancestors, landscapes and climate"

October 2014



UNESCO 2001 Convention on the Protection of the Underwater Cultural Heritage

The Legal Protection of Underwater Cultural Heritage

The UNESCO 2001 Convention on the Protection of the Underwater Cultural Heritage





- International community's response to destruction of submerged archaeological sites
- Ensures the same protection to underwater heritage as that accorded to land-based heritage
- Encourages preservation, research and public access

Inter-Reg V Archaeology of the Two Seas Project



Inter-Reg V Archaeology of the Two Seas Project



Summary

- Most of human prehistory lies on the seabed and research is needed to fill this huge gap in our understanding
- This will also provide better data and insights into sea-level change and its human impact – past, present and future
- The challenges require scientific, archaeological, governmental and industrial collaboration on an international scale
- Intensifying coastal and offshore industrial and commercial activity presents both threats and opportunities
- International treaties impose obligations to manage this underwater cultural heritage (UNESCO convention)
- Public interest in this theme is very high and further strengthens the case