



## Poster session 5: Reconstructing the Future

**Thursday 1 September from 13:30-16:30**

**P-602 - Reconstructing Holocene seasonal hydrographic variability in Scottish Shelf Seas using *Glycymeris glycymeris* shells**

*Stella Alexandroff, James Scourse, Paul Butler, Bernd Schöne*

**P-603 - A better understanding of the recent past of the Faroe Current: Contributions from molluscan sclerochronological-derived paleorecords**

*Fabian Bonitz, Carin Andersson, Tamara Trofimova*

**P-604 - 21st century rise in anthropogenic nitrogen on a South China Sea coral reef**

*Yi-Chi Chen, Haojia Ren, George T. F. Wong, Anne L. Cohen, Xingchen T. Wang, Horng-Sheng Mii, Daniel M. Sigman*

**P-605 - Deep-surface ocean and atmosphere interactions during the last 2700 years in the central-western Mediterranean: A multi-archive approach**

*Mercè Cisneros Bermejo, Isabel Cacho, Jaime Frigola, Miquel Canals, Ángela García, Ana Moreno, Heather Stoll, R. Lawrence Edwards, Hei Cheng, Joan J. Fornós*

**P-606 - Reconstructing Pliocene sea-ice cover in the Nordic and Labrador seas: preliminary results**

*Caroline Clotten, Rüdiger Stein, Kirsten Fahl, Stijn De Schepper*

**P-607 - Sea surface and global mean temperature change since the Pliocene**

*Gavin Foster, Tom Chalk, Eelco Rohling*

**P-608 - Centennial- to millennial-scale evolution of lower North Atlantic Deep Water ventilation during MIS 5e**

*Eirik Vinje Galaasen, Ulysses S. Ninnemann, David A. Hodell*

**P-609 - Character of the enhanced South Asian Monsoon during the mid Holocene revealed by oxygen isotope analysis of individual foraminifera**

*Ed Hathorne, Kaustubh Thirumalai, Daniel Gebregiorgis, Liviu Giosan, Nagender Nath, Martin Frank*

**P-610 - Atlantic Meridional Overturning Circulation during Heinrich stadials 1 and 2**

*Jörg Lippold, Benny Antz, Hartmut Schulz, Norbert Frank, Samuel Jaccard, Hartmut Heinrich*

**P-611 - Revisiting the Last Interglacial period in the SW Pacific: new palynological evidence**

*Fabienne Marret, Joe Prebble, Erica Crouch, Giuseppe Cortese, Helen Neil, Helen Bostock*

**P-612 - The role of sea ice and buoyancy fluxes in shaping glacial and modern ocean circulation: an analysis of PMIP simulations**

*Alice Marzocchi, Malte Jansen*



**P-613 - Late Holocene benthic ecosystem variability and geochemical processes in the Gulf of Taranto (Italy)**

*Valerie Menke, Swaantje Brzelinski, Kay Christian Emeis, Gerhard Schmiedl*

**P-614 - Hazards of warm climates: Reconstructing past mid-latitude storm activity for the British Isles during the Holocene Thermal Maximum**

*Audrey Morley, Michelle Curran, Jim Wright, Yair Rosenthal*

**P-615 - Using Eurasia's Neogene records of sea-sea interactions to better understand the sensitivity of the marine connections**

*Dan Palcu, Dirk Simon, Sergey Popov, Wout Krijgsman*

**P-616 - The new giant sediment corer capacities of the refitted R/V MARION DUFRESNE**

*Yvan Reaud, H el ene LEAU*

**P-617 - The extent and evolution of the glacial South Pacific carbon pool**

*Thomas Ronge, Ralf Tiedemann, Frank Lamy, Peter K ohler, Brent V. Alloway, Ricardo de Pol-Holz, Katharina Pahnke, John Southon, Lukas Wacker*

**P-618 - Deposition of black carbon and heavy metals in marine sediments along the Swedish west coast**

*Marcus Rudolf, Karl Ljung, Petra Schoon, Laurie Charrieau, Emma Kritzberg, Helena Filipsson*

**P-619 - Connecting decadal, centennial, and millennia time scales of ocean warming and time varying climate sensitivity**

*Maria Rugenstein, Jonah Bloch-Johnson, Reto Knutti, LongrunMIP members*

**P-620 - Carbon cycling in tropical river systems controlled by continental hydrology**

*Enno Schefu , Timothy I. Eglinton, Charlotte L. Spencer-Jones, J urgen Rullk otter, Ricardo De Pol-Holz, Helen M. Talbot, Pieter M. Grootes, Ralph R. Schneider*

**P-621 - Early Holocene seasonality of bottom water temperature in the northern North Sea reconstructed from the oxygen isotope composition of bivalve shells *Arctica islandica***

*Tamara Trofimova, Carin Andersson, Fabian Bonitz*

**P-622 - Ventilation of South Atlantic water masses during the last glacial period**

*Natalia Vazquez Riveiros, Claire Waelbroeck, Jacques Giraudeau, Philippe Martinez, Helge Arz, Julia Gottschalk, Luke Skinner, Trond Dokken*

**P-623 - Global Sea Surface Temperature and Ecosystem Change Across the Mid-Miocene Climatic Optimum**

*Tjerk Veenstra, Vidar Bakker, Francesca Sangiorgi, Francien Peterse, Stefan Schouten, Appy Sluijs*



**P-624 - Antarctic contribution to deglacial meltwater pulses – a new perspective from Iceberg Alley with implications for future sea-level rise**

*Michael Weber, Peter U. Clark, Trevor Williams, Gerrit Lohmann, Jerry X Mitrovica, Nicholas R. Golledge, Axel Timmermann*