

## Theme Session Q

### Physical and biological consequences of North Atlantic circulation patterns

Conveners: Ken Drinkwater (Norway), Cesar Gonzalez-Pola (Spain), Olafur Astthorsson (Iceland),  
and Seth Danielson (PICES, USA)

#### Agenda and Order of the Day for:

Wednesday 17 September 2014, 09:00–13:00 – Modular Room 6

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|------------------------------|-------|
| 1) Opening and introduction  | 09:00 |
| 2) Appointment of rapporteur |       |
| 3) Presentation of papers    |       |

CM Code		Time
Q: 01	<b>Title:</b> Ramifications of a longitudinally shifting Aleutian Low	09:15
Oral	<b>Author:</b> Seth Danielson	
	<b>Keywords:</b> Bering Strait, Aleutian Low, Subarctic–arctic exchange	
Q: 02	<b>Title:</b> On the role of East Greenland waters on the seasonal variability of the hydrography of the West Greenland Shelf	09:30
Oral	<b>Author:</b> Ken Drinkwater	
	<b>Keywords:</b> West Greenland, East Greenland, temperature, salinity, advection, seasonal variability	
Q: 03	<b>Title:</b> Climatic variation in North Atlantic as a key factor in variability of salinity patterns in the Baltic Sea	09:45
Oral	<b>Author:</b> G. Chernega	
	<b>Keywords:</b> climatic variation, periods of zonal and meridional circulation, North Atlantic, Baltic Sea, water salinity	
<b>BREAK</b>		
Q: 04	<b>Title:</b> What drives the spreading pattern of the Mediterranean Outflow Water (MOW) in the eastern Gulf Of Cadiz, SW Iberian Peninsula?	10:30
Oral	<b>Authors:</b> Ricardo F. Sanchez-Leal, Maria Jesus Bellanco-Esteban, Jose Carlos Sanchez-Garrido, Manuel Ruiz-Villarreal, and Cesar Gonzalez-Pola	
	<b>Keywords:</b> MOW, Gulf of Cádiz, NACW, mesoscale, topography, LADCP, CTD	
Q: 05	<b>Title:</b> The northeastern Chukchi Sea: A complex high-latitude ecosystem	10:45
Oral	<b>Authors:</b> Thomas J. Weingartner, R. H. Day, R. R. Hopcroft, A. L. Blanchard, A. E. Gall, D. E. Hannay, J. M. Mathis, B. L. Norcross, J. M. Questel, and B. M. Hollada	
	<b>Keywords:</b> Chukchi Sea, arctic shelf ecosystem structure and function	
Q: 06	<b>Title:</b> Prediction of silver hake distribution on the Northeast U.S. shelf based on Gulf Stream path index	11:00
Oral	<b>Authors:</b> Xujing Jia Davis, Terrence M. Joyce, and Young-Oh Kwon	
	<b>Keywords:</b> Gulf Stream path, silver hake distribution, autoregressive model prediction, Northeast U.S. Shelf	

Q: 07 Oral	<b>Title:</b> Interdecadal variations in the inorganic phosphorus content in the Atlantic Water and their possible impact on commercial resources of the Barents Sea	11:15
	<b>Author:</b> Oleg V. Titov	
	<b>Keywords:</b> inorganic phosphorus, Barents Sea, advection	
Q: 08 Oral	<b>Title:</b> How environmental conditions affect recruitment of King scallop ( <i>Pecten maximus</i> ) population in the Bay of Seine (Eastern English Channel, France)?	11:30
	<b>Authors:</b> Eric Foucher and Edouard Duhem	
	<b>Keywords:</b> king scallop, <i>Pecten maximus</i> , recruitment, English Channel, climate indices	
Q: 09 Oral	<b>Title:</b> Variability in the length–weight relationship and maturity-at-length of sardine <i>Sardine pilchardus</i> during the early spawning period (1992–2013)	11:45
	<b>Authors:</b> M. B. Santos, P. Diaz, R. Gonzalez-Quirós, S. Cranwell, and G. J. Pierce	
	<b>Keywords:</b> sardine, length–weight relationship, interannual variability, GAMs	
Q: 10 Oral	<b>Title:</b> Modelling the future biogeography of North Atlantic zooplankton communities in response to climate change	12:00
	<b>Authors:</b> Ernesto Villarino, Guillem Chust, Priscilla Licandro, Momme Butenschön, Leire Ibaibarriaga, Markus Kreis, Aitor Larrañaga, and Xabier Irigoien	
	<b>Keywords:</b> zooplankton, GAM, climate change, Calanus, habitat suitability	
Q: 11 Poster	<b>Title:</b> Upwelling index as a regional climatic index in the NW Iberian Peninsula	12:15
	<b>Authors:</b> José Manuel Cabanas, Gonzalo González-Nuevo, Jesús Gago, and Águeda Cabrero	
	<b>Keywords:</b> upwelling index, NW Iberian shelf, climatic indices, oceanography, circulation	
Q: 12 Poster	<b>Title:</b> Long-term environmental variability in NW Iberian waters: influence over pelagic and demersal fish stocks	12:20
	<b>Authors:</b> José Manuel Cabanas, Águeda Cabrero, Jesús Gago, and Gonzalo González-Nuevo	
	<b>Keywords:</b> environmental variability, regime shifts, fish stock dynamics	
Q: 13 Poster	<b>Title:</b> Mediterranean Outflow Water in the eastern Gulf of Cadiz: pathways and seasonal variability	12:25
	<b>Authors:</b> Maria Jesus Bellanco Esteban, M. J. Bellanco Esteban, and R. F. Sánchez-Leal	
	<b>Keywords:</b> Gulf of Cadiz, MOW, pathways, dynamics	
Q: 14 Poster	<b>Title:</b> Patterns and trends in cetacean strandings on the Galician coast and their relationship with oceanography and fishing effort	12:30
	<b>Authors:</b> Camilo Saavedra, Águeda Cabrero, José Cedeira, Santiago Cerviño, Jesús Gago, Gonzalo González-Nuevo, Alfredo López, Graham J. Pierce, Fiona Read, and M. Begoña Santos	
	<b>Keywords:</b> oceanography, strandings, common dolphin, abundance	
	<b>Discussion</b>	12:35
	<b>End of session</b>	13:00