### 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

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

<table>
<thead>
<tr>
<th>CM Code</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Q: 01</td>
<td>Oral</td>
<td>09:15</td>
</tr>
<tr>
<td>Q: 02</td>
<td>Oral</td>
<td>09:30</td>
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<tr>
<td>Q: 03</td>
<td>Oral</td>
<td>09:45</td>
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<tr>
<td>Q: 04</td>
<td>Oral</td>
<td>10:30</td>
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<tr>
<td>Q: 05</td>
<td>Oral</td>
<td>10:45</td>
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<tr>
<td>Q: 06</td>
<td>Oral</td>
<td>11:00</td>
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**Q: 01**

**Title:** Ramifications of a longitudinally shifting Aleutian Low

**Author:** Seth Danielson

**Keywords:** Bering Strait, Aleutian Low, Subarctic–arctic exchange

**Q: 02**

**Title:** On the role of East Greenland waters on the seasonal variability of the hydrography of the West Greenland Shelf

**Author:** Ken Drinkwater

**Keywords:** West Greenland, East Greenland, temperature, salinity, advection, seasonal variability

**Q: 03**

**Title:** Climatic variation in North Atlantic as a key factor in variability of salinity patterns in the Baltic Sea

**Author:** G. Chernega

**Keywords:** climatic variation, periods of zonal and meridional circulation, North Atlantic, Baltic Sea, water salinity

### BREAK

**Q: 04**

**Title:** What drives the spreading pattern of the Mediterranean Outflow Water (MOW) in the eastern Gulf Of Cadiz, SW Iberian Peninsula?

**Authors:** Ricardo F. Sanchez-Leal, Maria Jesus Bellanco-Esteban, Jose Carlos Sanchez-Garrido, Manuel Ruiz-Villarreal, and Cesar Gonzalez-Pola

**Keywords:** MOW, Gulf of Cádiz, NACW, mesoscale, topography, LADCP, CTD

**Q: 05**

**Title:** The northeastern Chukchi Sea: A complex high-latitude ecosystem


**Keywords:** Chukchi Sea, arctic shelf ecosystem structure and function

**Q: 06**

**Title:** Prediction of silver hake distribution on the Northeast U.S. shelf based on Gulf Stream path index

**Authors:** Xujing Jia Davis, Terrence M. Joyce, and Young-Oh Kwon

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