

Theme Session on How to Improve Environmental Monitoring and Biological Studies – Integrating Ecology and Statistics (Z)

Conveners: Rob Fryer, UK and Johan Craeymeersch, the Netherlands

Agenda and Order of the Day

Friday 23 September 10.30–15.30 (Fleming Auditorium)

		Time
1.	Opening	10.30–
2.	Introduction Fryer/Craeymeersch	10.35
3.	Presentation of Papers	
	<i>Author(s) and title</i>	
	<i>Code</i>	
Z:06	<i>Robert Aps, R. Tamsalu, T. Kollo, T. Kullas, and V. Zalesny: Application of modeling to Baltic environmental monitoring design</i>	10.40–11.00
Z:05	<i>Rob Fryer, Judy Dobson, Alistair McIntosh, Brian Miller, and Lynda Webster: Redesign of the UK National Marine Monitoring Programme for contaminants in sediment</i>	11.05–11.25
Z:03	<i>Magnus Appelberg, I. Abrahamsson, J. Andersson, U. Bergström, A-B. Florin, B. Fagerholm, F. Franzén, A. Lingman, G. Sundblad, and K. Söderberg: Statistical power in coastal fish monitoring with passive gears – effects of sampling strategy and environmental characteristics</i>	11.30–11.50
Z:07	<i>Joel Vigneau and Stéphanie Mahévas: A new statistic for sampling design investigation: an application to length-structured landings sampling</i>	11.55–12.15
	Lunch break	12.30–13.30
Z:04	<i>F. Smedes, I. M. Davies, and R. Fryer: Pragmatic estimation of uncertainty in normalized concentrations of contaminants in sediments</i>	13.30–13.50
Z:02	<i>Jean-Charles Poulard and Verena M. Trenkel: Relationship between survey indices and survey design and wind conditions: Bay of Biscay groundfish survey</i>	13.55–14.15
Z:01	<i>Catherine Longo, Simon P. R. Greenstreet, Helen Fraser, and Graham J. Pierce: Can size-spectra reveal the impact of fisheries on biodiversity?</i>	14.20–14.40
Z:10	<i>Joachim P. Gröger, Rodney Roundtree, and Uffe Høgsbro Thygesen: Geolocation of Cape Cod Bay cod using tidal information</i>	14.45–15.05
	Discussion Fryer/Craeymeersch	15.10–15.30

Posters

- Z:08 *B. Fagerholm, Franzén, F., Sandberg, G., and Söderberg, K.:* Eelpout (*Zoarces viviparus*), an useful bio-indicator in coastal fish monitoring
- Z:11 *Tracy McCollin and Aileen Shanks:* An assessment of the efficiency of ballast water exchange
- Z:12 *Ahto Järvi, Tenno Dreves, Leili Järv, Tiit Raid, and Andres Jaanus:* Monitoring of the impact of Muuga Port activities on fish communities and fishery in Muuga Bay in 1994–2004: difficulties in results definition and needs for method improvement
- Z:13 *Massoud A.H. Saad and Nadia B. El-Sayed:* Dissolved oxygen and organic matter in a harbor and a bay in Egypt receiving organic pollutants from different sources
- Z:14 *Lotta Fyrberg:* SEA-SEARCH – Your gateway to oceanographic and marine data & information in Europe
- Z:15 *E. Bresnan, R. Fryer, S. Fraser, N. Smith, A. Scott, N. Brown, E. Smith and L. Stobo:* A statistical examination of the ability of phytoplankton monitoring to act as an indicator of toxin accumulation in the blue mussel (*Mytilus edulis*)
- Z:16 *T. Kristiansen, D.S. Danielssen, E. Svendsen, and E. Aas:* Year-to-year variation and quantification of German Bight Water in the Skagerrak and Kattegat in the years 1996–2000