

Theme Session K

The application of science for ecosystem-based management of aquaculture

Conveners: Dave Jackson (Ireland), Heather Moore (UK), and Neil Auchterlonie (UK)

Agenda and Order of the Day for:

Thursday 18 September 2014, 17:00–19:00 – Arao

- 1) Opening and introduction 17:00
- 2) Appointment of rapporteur
- 3) Presentation of papers

CM Code		Time
K: 01 Oral	Title: Sustainable finfish farming on islands – the example from the Faroe Islands Authors: Knud Simonsen, Gunnvør á Norði, and Øystein Patursson Keywords: management, zonation, fallowing, salmon	17:15
K: 02 Oral	Title: Planning marine space for mussel farming with focus on use of scientific knowledge – Estonian Case Study Authors: R. Aps, J. Kotta, V. Lauringson, and K. Oganjan Keywords: Maritime Spatial Planning, mussel farming, zebra mussel, Baltic Sea	17:30
K: 03 Oral	Title: Shellfish aquaculture at the confluence of science, policy, and conflicting stakeholder interests: lessons learned from geoduck farming in the northeastern Pacific Authors: P.S. McDonald, A.W.E. Galloway, J.L. Price, K. McPeck, D.A. Armstrong, C. Ryan, and G.R. VanBlaricom Keywords: shellfish aquaculture, environmental impact, stakeholder conflict	17:45
K: 04 Oral	Title: Estimation of aquaculture carrying capacity in Southeast Asia: needs and capabilities for modelling of common water bodies Author: David A. Bengtson Keywords: aquaculture, carrying capacity, Asia	18:00
K: 05 Oral	Title: Determining the activity patterns and potential seabed impact of aquaculture: The example of blue mussel culture in Belfast Lough, Northern Ireland Authors: Adele Boyd, Annika Clements, Heather Moore, Rhys Cooper, Meredith Scanlon, and Matthew Service Keywords: shellfish aquaculture, blue mussels, backscatter, seafloor integrity, ecosystem model, fishing effort, Natura-2000	18:15
K: 06 Oral	Title: A Social-Ecological System (SES) that Integrates Carrying Capacity for the Sustainable Management of Bivalve Aquaculture Authors: Carrie Byron Keywords: n.a	18:30

K: 07 Poster	Title: Culturing mussels near fish cages, lessons learned towards the future implementation of Integrated Multi-Trophic Aquaculture (IMTA) in the Galician Rías	18:45
	Authors: Jade Irisarri, María José Fernández-Reiriz, and Uxio Labarta	
	Keywords: Integrated Multi-Trophic Aquaculture, effluent bioremediation; mussel, Scope for Growth, growth rate, fatty acid markers	
K: 08 Poster	Title: The dissolution and absorption of two kinds of clay minerals in eutrophic water and corresponding effect of solvents on phytoplankton	18:47
	Authors: Shuxia Liu, Wenli Qin, Shidi Jin, and Ying Ye	
	Keywords: aquaculture, eutrophication, clay mineral, phytoplankton	
K: 09 Poster	Title: Future of farming of <i>Saccharina latissima</i> (Laminariales, Ochrophyta) in land-based IMTA systems in Galicia (NW. Iberia)	18:49
	Authors: P. Touriñán, J.R.C. Freitas, M. Lastres, and J. Cremades	
	Keywords: IMTA, <i>Saccharina latissima</i> , Seaweeds aquaculture, biofilter, nitrogen supplies, climate change	
K: 10 Poster	Title: Dutch policy rules minimize the risk of invasive species distribution by shellfish transports	18:51
	Authors: A.A.J. Smolders and A. Gittenberger	
	Keywords: shellfish transports, marine invasive species, Dutch policy, nuisance species, assessment	
	Discussion	18:53
	End of session	19:00