Theme Session K

The application of science for ecosystem-based management of aquaculture

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

CM Code		Oral Presentations
K: 01 Oral	**Title:**	Sustainable fin fish farming on islands, - the example from the Faroe Islands
	Authors:	Knud Simonsen, Gunnvør á Norði, and Øystein Patursson
	Keywords:	Management, zonation, fallowing, salmon
K: 02 Oral	**Title:**	Planning marine space for mussel farming with focus on use of scientific knowledge – Estonian Case Study
	Authors:	Aps, R., Kotta, J., Lauringson, V., Oganjan, K.
	Keywords:	Eco-Label, aquaculture producers, perception, Thesprotia Greece
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. McPeek, D.A. Armstrong, C. Ryan, and G.R. VanBlaricom
	Keywords:	shellfish aquaculture, environmental impact, stakeholder conflict
K: 04 Oral	**Title:**	Estimation of aquaculture carrying capacity in Southeast Asia: needs and capabilities for modeling of common water bodies
	Authors:	David A. Bengtson
	Keywords:	aquaculture, carrying capacity, Asia
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
K: 06 Oral	**Title:**	A Social-Ecological System (SES) that Integrates Carrying Capacity for the Sustainable Management of Bivalve Aquaculture
	Authors:	Carrie Byron
	Keywords:	
CM Code		**Posters**
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
	Authors:	Jade Irisarri, María José Fernández-Reiriz, Uxio Labarta
	Keywords:	Integrated Multi-Trophic Aquaculture; effluent bioremediation; mussel; Scope for Growth; growth rate; fatty acid markers

CM Code		Posters
K: 08 Poster	**Title:**	The dissolution and absorption of two kinds of clay minerals in eutrophic water and corresponding effect of solvents on phytoplankton
	Authors:	First Authors: Shuxia Liu Co-Authorss: Wenli Qin, Shidi Jin, Ying Ye
	Keywords:	Aquaculture; eutrophication; clay mineral; phytoplankton
K: 09 Poster	**Title:**	Future of farming of Saccharina latissima (Laminariales, Ochrophyta) in land-based IMTA systems in Galicia (NW. Iberia)
	Authors:	P. Touriñán, J.R.C. Freitas , M. Lastres, J. Cremades
	Keywords:	IMTA, Saccharina latissima, Seaweeds aquaculture, biofilter, nitrogen supplies, climate change
K: 10 Poster	**Title:**	Dutch policy rules minimize the risk of invasive species distribution by shellfish transports
	Authors:	A.A.J. Smolders and A. Gittenberger
	Keywords:	shellfish transports, marine invasive species, Dutch policy, nuisance species, assessment