

Day One: 3 October, THURSDAY MORNING

Registration: 08:30-09:00 3 October 2013 in the lobby of the Food Science Building, Yayoi Section/Hongo Campus, The University of Tokyo

Time	Speaker	Presentation
Opening		
09:00-09:10	Ken Furuya	Opening remarks
09:10-09:20	Hiroshi Ogawa	
09:20-09:40	Liuming Hu	IMBER recent activities, achievements and future development
Oral session 1: The impact of climate change on biogeochemical cycles (e.g. nutrients, organic matter, trace metals) in the marginal seas and adjacent open oceans. Convener: Hiroshi Ogawa		
09:40-10:00	Xinyu Guo	Budget calculation for the Kuroshio nutrient transport from the East China Sea to south of Japan
10:00-10:20	Yu Umezawa	Seasonal and spatial variations in the contribution of the Changjiang River and the Kuroshio to nitrate dynamics at the continental shelf of the East China Sea
10:20-10:40	Yutaka Hiroe	3D structure and interannual variation of nutrients in the Kuroshio region
10:40-11:00	Coffee break and Group photo	
11:00-11:20	Xiuqing Ge	Nitrogen uptake and primary production in Tokyo Bay
11:20-11:40	Guodong Song	Anammox, denitrification and dissimilatory nitrate reduction to ammonium in the East China Sea sediment
11:40-12:00	Fuminori Hashihama	Sensitive determination of enzymatically labile dissolved organic phosphorus and its vertical profiles in the oligotrophic western North Pacific and East China Sea
12:00-13:30	Lunch	

Day One: 3 October, THURSDAY AFTERNOON

Time	Speaker	Presentation
Oral session 2: The impact of climate change on biogeochemical cycles (e.g. nutrients, organic matter, trace metals) in the marginal seas and adjacent open oceans. (Continued) Convener: Hiroshi Ogawa		
13:30-13:50	Masao Ishii	Trend of ocean acidification in the western Pacific tropical and subtropical zones
13:50-14:10	Zhongqiao Li	The source of organic carbon in the Changjiang sediments, based on the distribution of GDGTs and lignin-derived phenols
14:10-14:30	Youhei Yamashita	Accumulation of humic-like fluorescent dissolved organic matter in the Japan Sea Proper Water
14:30-14:50	Chia-Jung Lu	The distribution of dissolved lignin as a tracer of terrigenous dissolved organic matter in Otsuchi Bay, Japan
14:50-15:10	Juan Du	Seasonal variations of ^7Be , ^{210}Pb , ^{234}Th and ^{137}Cs in the surface sediments of the Changjiang Estuary and its adjacent sea and their implications
15:10-15:30	Coffee break	
Oral session 3: Modelling the interaction between marine biogeochemistry and food web dynamics. Convener: Hiroaki Saito		
15:30-15:50	Ian Jenkinson	Measurements of rheology and surface properties for models of plankton ecology and biogeochemistry
15:50-16:10	Eiji Masunaga	Resuspension and lateral dispersal of sediments due to shoaling internal waves
16:10-16:30	Yoichi Ishikawa	Forecasting ocean circulation and fishery-resource variabilities for operational use
16:30-16:50	Hiromichi Igarashi	Modeling of habitat suitability index for neon flying squid in the North Pacific by using a 3-dimensional ocean data assimilation product
16:50-17:10	Jun Sun	Living coccolithophores in China Sea waters: Role in the carbon cycle
17:10-18:00	Poster session	

Day Two: 4 October, FRIDAY MORNING

Time	Speaker	Presentation
Oral session 4: Marine ecosystem responses to anthropogenic activities and natural stressors. Convener: Se-Jong Ju		
09:00-09:20	Koji Suzuki	Responses of spring diatom assemblages in Oyashio waters of the western subArctic Pacific to CO ₂ availability as estimated from molecular markers
09:20-09:40	Yuan Zhao	Temporal variation of picoplankton in the spring bloom of the Yellow Sea, China
09:40-10:00	Li Zhao	Picoplankton distribution in different water masses of the East China Sea in autumn and winter
10:00-10:20	Eunho Ko	Comparison of the two methods for primary production measurement
10:20-10:40	Coffee break	
Oral session 5: Marine ecosystem responses to anthropogenic activities and natural stressors. (Continued) Convener: Se-Jong Ju		
10:40-11:00	Yasunori Sakurai	May the warm sea surface water of spawning areas of Japanese common squid in autumn contribute to the decreased survival of paralarvae and annual catch after 2000s?
11:00-11:20	Lingfeng Huang	Chain response of microbial loop to the decay of a diatom bloom in the East China Sea
11:20-11:40	Hongbin Liu	Predator – prey interactions in planktonic food webs under changing environment
11:40-12:00	Ying Cui	Variation in the $\delta^{13}\text{C}$ of specific fatty acids in <i>Coilia mystus</i> during migration
12:00-13:30	Lunch	

Day Two: 4 October, FRIDAY AFTERNOON

Time	Speaker	Presentation
Oral session 6: Marine ecosystem responses to anthropogenic activities and natural stressors. (Continued) Convener: Se-Jong Ju		
13:30-13:50	Se-Jong Ju	Understanding the food web dynamics of Yellow Sea ecosystem: the role of <i>Euphausia pacifica</i> using multi-approaches
13:50-14:10	Joji Ishizaka	Influence of river discharge on phytoplankton absorption properties: A case study in the East China Sea and Tsushima Strait
14:10-14:30	Aida Sartimbul	Diet composition dynamics in relation to the Omega-3 fatty acid of Bali Sardine (<i>Sardinella lemuru</i>) in Bali Strait
14:30-14:50	Meixun Zhao	Ecosystem responses to anthropogenic and natural forcings over the past 100 years in the coastal areas of the East China Sea elucidated from biomarkers
Oral session 7: Towards the sustainable use of marine resources and services at the interface of marine and human systems. Convener: Hiroaki Saito		
14:50-15:10	Hiroaki Saito	The role of Kuroshio on the food-web structure and fisheries production off Japan: Introduction of SKED project
15:10-15:30	Sei-Ichi Saitoh	Dissemination of potential fishing zone prediction map of Japanese common squid in the coastal waters, southwestern Hokkaido, Japan
15:30-15:50	Yang Liu	Impacts of climate change on suitable region for Japanese scallop aquaculture in Dalian, China and Funaka Bay, Japan, using GIS-based model and satellite remote sensing.
15:50-16:10	Takaomi Kaneko	Fisheries management under species alternation from the aspect of regional economy and food security
16:10-16:30	Coffee break	
16:30-17:00	Discussion session: National and regional IMBER-related research and activities and the possibility for future collaboration in east Asia Conveners: Hiroaki Saito; Hiroshi Ogawa; Se-Jong Ju	
17:00-17:30	Meeting wrap up and closing	