

Table 4. Large Marine Ecosystems Program Activities 2007- 2010

TABLE OF LME PROGRAM ACTIVITIES 2007-2010					1	
PROJECT TITLE	ACTIVITIES UNDERWAY	START		LME/L.O.s	U.N. AND OTHER AGENCIES	
		UP	END			
ARCTIC AND PACIFIC INITIATIVES						
APEC 23 LMEs of the Pacific	Ecosystem-based approach to the assessment and management of marine resources: Asian countries of Pacific Demonstration Project			FY10	IA: E. Denning; LME APEC Program Office, M.C. Aquarone; NOAA S&T; L.O.s, NOAA Pacific FSC, J. Polovina, OAR	
	Convenor, Meeting in Qingdao, China (09/07)		FY07		LME Program Office, K. Sherman; Q. Tang, Yellow Sea Fisheries Institute	
	Ongoing APEC reports		FY07		LME Program Office, S. Adams. Technical Editor	
17 LMEs of the Arctic	Consensus of NOAA suite of indicators (Group of Experts; U.S. Chair, K. Sherman)		FY07	FY07	OAR, J. Calder; NWS; IA, E. McLanahan; LME Program Office, M.C. Aquarone, coordination	Arctic Council
	Initiate Arctic LME assessments with a pilot project in the West Bering Sea LME with the Russian Federation			FY10	L.O.s, OAR; NMFS, Alaska Fisheries Science Center	UNEP; MMBI, Mumansk
	Ongoing PAME reports	TDA FY08 SAP FY09		ongoing	LME Program Office, M.C. Aquarone & S. Adams	Arctic Council, PAME
AAAS volume on Arctic	Volume on changing states of 17 Arctic LMEs. Chapters based on AAAS Symposium in 2006 convened by K. Sherman and B. Gold		FY07	FY08	Skjoldal and Sherman eds.; LME Program Office, S. Adams, Technical Editor (to CRC used in publication)	

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

2

PROJECT TITLE	ACTIVITIES UNDERWAY	START UP	END	LME/L.O.s	U.N. AND OTHER AGENCIES
LME METHODOLOGY DEVELOPMENT					
Medium Size Projects					
MSP - Promoting Ecosystem Based Approaches to Fisheries Conservation and LMEs	6 components of project		FY08	LME Program Office, MC Aquarone, project coordinator; OAR and Geophysics Lab at Princeton (GDFL)	IOC-UNESCO
Assessment of Assessments	GEF Contribution to LME assessment methodology	FY07	FY08	LME Program Office; NOAA S&T; L.O.s	UNIDO, UNEP-Nairobi
U.N. mandated Global Assessment Prototype	Vienna meeting in Oct. 07	FY07		LME Program Office; NOS	UNIDO; UNEP-Nairobi
	Submit full MSP Methodology	FY08 FY09	FY10		
Development of 5 modules					
<i>Productivity Module:</i>	Productivity and chlorophyll for all 64 LMEs		FY07	NESDIS; OMES, Berman, Melrose, O'Reilly	
	Testing and evaluation of productivity module in Narragansett Bay	FY07	FY09	Narragansett Lab	
<i>Fisheries Module</i>	Ecopath/Ecosim reports ontrophic condition of fisheries	FY07	FY07		University of British Columbia (UBC)
<i>EPA indicators of Pollution and Ecosystem Health</i>	Application to Baltic Sea and other LME Projects	continuing		NOS; NMFS; LME Program Office, MC Aquarone and K. Sherman; NEFSC, T. Noji	EPA, K. Summers;
	Collaboration with EPA in Narragansett on sampling of coastal conditions, National Coastal Condition Report #3		FY07	OMES, Narrag. Lab	
<i>Socioeconomics Module:</i>	Contracts with UNEP, The Hague		FY08	NEFSC, P. Logan, S. Edwards	UNEP; WHOI, P. Hoagland, D. Jin; URI, J. Sutinen
<i>Governance Module</i>	2 Commissions instituted, Benguela Current and Guinea Current	FY07	FY10		WHOI; URI, L. Juda, T. Hennessey; LME Projects

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

3

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U.N. AGENCIES					
<i>FAO</i>	Fisheries and LME conservation MSP		FY08	OAR; GFDL Princeton	IOC
	Bay of Bengal Project	FY07	FY10	NOAA, E.Cyr	FAO, J. Csirke
<i>IOC-UNESCO</i>	Reports on LME consultative meetings (yearly)	ongoing		NOAA, K. Sherman, MC Aquarone, S. Adams	IOC, P. Bernal; IUCN, C. Lundin
	Fisheries and LME conservation MSP		FY08	OAR; GFDL Princeton	FAO
<i>UNDP</i>	Agulhas-Somali LME Project, Benguela Current LME Project, Black Sea, Caribbean Sea, Gulf of Mexico, Humboldt Current, Yellow Sea LMEs	continuing		LME Program Office; NOAA S&T; L.O.s	
<i>UNEP</i>	UNEP-LME Report on Changing States of 64 LMEs (650pp); K. Sherman and G. Hempel, editors		FY08	LME Program Office, MC Aquarone contributing author; S. Adams, Tech. Editor to CRC copy SST Time Series all LMEs Chlorophyll, primary productivity Fish yields, value & trophic level DIN, eutrophication, nutrient loads Pollution & ecosystem health Socioeconomics Governance	LME Program Office; UNEP
	Completion of manuscript Printing and distribution		FY07 FY08		
<i>UNEP-Nairobi</i>	MSP, developing methodology for global assessments	FY07	FY09	LME Program Office, MC Aquarone, Coordinator; NESDIS, NWS	UNIDO
<i>UNEP-Nairobi</i>	TIWAS Proposal	FY07		LME Program Office	UNIDO
<i>UNIDO</i>	TIWAS Proposal	FY07		LME Program Office	UNEP-Nairobi

INTERNATIONAL AGENCIES

<i>IUCN</i>	DVD booklet		FY08	LME Program Office	UNEP
IW:Learn	"Turning the Tide" DVD		FY08	LME Program Office	GEF

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

4

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LME FOUNDATION PROJECTS STRUCTURED TO USE 5 MODULE, LME APPROACH TO ASSESSMENT AND MANAGEMENT					
<i>Agulhas & Somali Currents LMEs</i>	TDA/SAP	FY07	FY10	LME Program Office; NOAA S&T; L.O.s; NOAA Consultant B. Brown	UNDP
<i>Baltic Sea LME</i>	Phase 1	complete		LME Program Office	World Bank; EPA
	Phase 2, SAP	FY07	FY10	NOAA S&T; L.O.s; NOS, Bricker; OMES, Berman, K. Sherman	K.Summers; ICES; HELCOM
<i>Bay of Bengal LME</i>	Project startup	FY08		LME Program Office; S&T E. Cyr; OAR; NESDIS	FAO
	SAP	FY08	FY10	NOAA S&T, L.O.s	
<i>Benguela Current LME</i>	end of first phase	FY08		LME Program Office	UNDP; Angola, Namibia, S. Africa; BENEFIT
	second phase	FY09		NOAA S&T; L.O.s; NESDIS	
<i>Black Sea LME and Danube R.</i>	Investment Fund Project	ongoing		NOS, OAR	UNDP
<i>Canary Current LME</i>	end of Block B		FY07	LME Program Office; NOAA Consultant B. Brown; NOAA S&T; L.O.s, NESDIS	FAO; UNEP
	SAP	FY08		NOAA S&T; L.O.s; NESDIS	
<i>Caribbean Sea LME (WW2BW)</i>	Block B	FY07	FY10	SEFSC and L.O.s	UNDP, UNEP
		ongoing			

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

5

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Foundation GEF- LME Projects continued						
<i>Guinea Current LME</i>	SAP, 2nd phase			FY10	LME Program Office; NOAA S&T; LOs, NESDIS; OAR Miami Lab. NOAA Consultant B. Brown	UNDP; University of Lagos, P. Nwilo
<i>Gulf of Mexico LME (VW2BW)</i>	TDA/SAP		FY07	FY10	SEFSC, J. Berkson; L.O.s: NOS, NESDIS, OAR Miami Lab	UNDP, UNIDO
<i>Gulf of Thailand LME</i>	Part of East Asian Sea LMEs Strategic Investment Fund Project		FY07	FY10	LME Program Office; NOAA S&T; L.O.s: NWS, OAR Seattle PMEL;	UNEP; World Bank, IBRD
	SAP		FY07	FY10		
<i>Humboldt Current LME</i>	SAP		continuing		LME Program Office; NOAA S&T; L.O.s: OAR (PMEL), NESDIS, NWS; SWFSC Lajolla, J. Phinney	UNIDO, UNDP
<i>Indonesian Sea LME</i>	Part of East Asian Sea LMEs Investment Fund Project				LME Program Office; NOAA S&T; LOs: NWS, OAR Seattle PMEL; NOAA S&T	UNEP; World Bank, IBRD
	SAP			FY10	NOAA S&T, L.O.s	
<i>Mediterranean Sea LME</i>	Strategic Partnership, Mediterranean LME Investment Fund Project			FY10	LME Program Office; NESDIS, NOS; NOAA S&T	UNEP/IBRD World Bank - GEF Investment Fund
	SAP		FY07	FY10	NOAA S&T, L.O.s LME Program Office	
<i>South China Sea LME</i>	within East Asian Sea LMEs Investment Fund Project		FY07	FY10	LME Program Office; NOAA S&T; L.O.s: NWS, OAR Seattle PMEL;	UNEP/IBRD World Bank - GEF Investment Fund
<i>Yellow Sea LME</i>	SAP			FY09	LME Program Office	UNDP
	2nd phase			FY10	NOAA S&T, L.O.s: NESDIS, NOS	

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

6

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NEW LME PROJECTS					
West Bering Sea LME	Pilot Project	FY07		AFSC; PMEL Seattle: M. Sigler, P. Livingston, Loh-Lee Low; OAR, J. Overland; Ice Prediction; USG Arctic Climate Impact Assessment (ACIA)	
	PDF B TDA and SAP	FY07 FY08			
<i>East Asian Sea LMEs</i>	Strategic Partnership	FY07			UNEP/IBRD World Bank GEF Investment Fund UNEP
<i>Sulu-Celebes LME</i>	TDA/SAP Block B	FY07			
	SAP	FY08			
Dead Zone Assessment: Global nutrient overenrichment		FY07		NOS; LME Program Office; NOS, Bricker	IOC; Rutgers Univ., S. Seitzinger
Linkage from LME Projects to GOOS - IOOS - GEOSS		FY07		LME Program Office; NESDIS NODC Data Center, S. Levitus; NOS	
Sea Truthing in BCLME, GCLME, YSLME, Satellite Remote Sensing products including SST in relation to subsurface Chlorophyll max		FY07		LME Program Office; OMES, NESDIS NODC Data Center, S. Levitus; NOS	IOC
LMEs and Climate Change		FY07		OAR, NOS, NESDIS, NWS, LME Program Office	URI, I. Belkin- SST analysis

LME WEBSITE OPERATIONS

LME website at: http://www.lme.noaa.gov	Continue to develop website as primary source for LME data and information	FY07 ongoing			URI (Damon)
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TABLE OF LME PROGRAM ACTIVITIES 2007-2010

7

PROJECT TITLE		ACTIVITIES UNDERWAY	START UP	END	LME/L.O.s	U.N. AND OTHER AGENCIES
EDUCATION						
LME curriculum	K to 12 Meeting with Rhode Island science teachers curriculum portfolio global distribution of these materials		FY07	FY08		UNEP
DVD	"Turning the Tide" Distribution Tested on school children elementary, middle and high schools		FY07 FY07	FY08 FY08	LME Program Office; schools in RI and in Ghana	IW:Learn
DVD Guinea Current			FY07	FY08	LME Program Office	UNEP; GCLME office, Dr.C. Ibe
Outreach training to Professional scientists in emergent trophic patterns	ECOPATH / ECOSIM		FY07	FY08		UBC, V. Christensen
Outreach training to Professional scientists in nitrogen overloading & eutrophication	DIN modelling		FY07	FY08		Rutgers, S. Seitzinger
LME VOLUMES, REPORTS and PUBLICATIONS						
Predicting the Benguela volume				FY06		
The UNEP Large Marine Ecosystem Report: A Perspective on Changing Conditions in LMEs of the World's Regional Seas. K Sherman & G. Hempel, editors. 650pp.	UNEP Regional Seas Reports and Studies No. 182		FY07		LME Program Office, UNEP MC Aquarone contributing author; S. Adams, Technical Editor to CRC for publication	
Arctic volume Based based on AAAS Symposium, St. Louis 2006. H.R. Skjoldal and K. Sherman, editors.			FY07	FY08	LME Program Office, Arctic S. Adams Technical Editor to CRC for publication	Arctic Council, PAME
Comparative Ecosystem Assessments in Relation to Climate Change volume , based on Qingdao Conference. K. Sherman contributing author and editor.			FY07	FY10	LME Program Office, S. Adams Technical Editor to CRC for publication	

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

8

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LME VOLUMES, REPORTS and PUBLICATIONS continued						
Indicators of Changing States of LMEs volume based on Conference in Narragansett on Indicators. K. Sherman contributing author and editor.			FY09	FY10	LME Program Office, S. Adams Technical Editor to CRC for publication	
IOC Consultative Meeting Reports			annual	report	LME Program Office, IOC MC Aquarone and S. Adams	
PAME Reports			ongoing		LME Program Office, Arctic MC Aquarone and S. Adams	Coouncil, PAME
GCLME Socioeconomics and Valuation			FY07	FY08	LME Program Office, S. Adams	WHOI, P. Hoagland; GCLME, Dr. C. Ibe
APEC Reports: LMEs of the Asian Pacific Economic Community			FY07	FY08	LME Program Office, MC Aquarone and S. Adams	
Handbook on Productivity Indicators for LMEs			FY07	FY08	LME Program Office, MC Aquarone and S. Adams	
"Turning the Tide" booklet to accompany the DVD			FY07	FY08	LME Program Office, IW Learn S. Adams	
"Variability of Large marine Ecosystems in response to global climate change" to submit for publication			FY07	FY07	LME Program Office;	URI, I. OMES, J. O'Reilly Belkin
TIWAS report			FY08	FY09	LME Program Office, S. Adams	UNEP-Nairobi
"Climate Change and Impacts on LMEs of the Arctic" --paper for publication based on the Arctic Coastal Zones at Risk Conference convened by IASC		author, K. Sherman	FY07		LME Program Office, S. Adams	
"Changing States of the LMEs of Russia" paper following the Conference being convened in Russia, October 2007		author, K. Sherman	FY07	FY08	LME Program Office, S. Adams	

TABLE OF LME PROGRAM ACTIVITIES

2007-2010

9

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LME VOLS., REPORTS AND PUBLICATIONS continued					
invited paper for the UN Conference, the 5th Trondheim Conference on Biodiversity, 29 October - 2 November 2007	author, K. Sherman	FY07		LME Program Office, S. Adams	
CONFERENCES, WORKSHOPS, PRESENTATIONS and PRESENTED PAPERS					
UMASS-Dartmouth Seminar, presentation on the Large Marine Ecosystem Program, 17 May 2007	New Bedford Whaling Museum	FY07		LME Program Office, S. Adams, Tech.Ed.	
Gulf of Mexico LME Project Steering Committee Meeting, 21 May 2007	Houston, TX	FY07		LME Program Office, S. Adams, Tech.Ed.	
Caribbean LME Project, Regional Steering Committee Meeting, June 2007	Cartagena, Colombia	FY07		LME Program Office, S. Adams, Tech.Ed.	
GEF 4th Biennial International Waters Conference - 31 July - 3 August 2007	Cape Town, South Africa	FY07		LME Program Office, S. Adams, Tech.Ed.	
GCLME Valuation Workshop	Cape Town, S.A.	FY07		LME Program Office, S. Adams, Tech.Ed.	
IOC 9th Consultative Meeting, Paris, July 2007	Paris, France	FY07		LME Program Office, S. Adams, Tech.Ed.	
ICES September '07 presentation, "Variability of Large Marine Ecosystems in response to global climate change," K. Sherman, J. O'Reilly & I. Belkin	Helsinki, Finland	FY07		LME Program Office, S. Adams, Tech.Ed.	
2nd Global Conference on Large Marine Ecosystems 11-13 September 2007	Qingdao , P.R. China	FY07	FY08, vol.	LME Program Office, S. Adams, Tech.Ed.	

TABLE OF LME PROGRAM ACTIVITIES 2007-2010

10

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CONFERENCES, WORKSHOPS, PRESENTATIONS continued					
APEC meeting, Marine Ecosystem Identification and Mapping in the Asia-Pacific Region - First Workshop- 14 September	Qingdao , P.R. China	FY07		LME Program Office, S. Adams, Tech.Ed.	
International Arctic Science Committee (IASC), with LOICZ and IHDP, "Arctic Coastal Zones at Risk" 1-3 October 2007, Invited Speaker, Climate Change and Impacts on People of the Arctic	Tromsø, Norway	FY07		LME Program Office, S. Adams, Tech.Ed.	
IUCN World Conservation Congress 5-14 October	Barcelona, Spain	FY07		LME Program Office, S. Adams, Tech.Ed.	
LMEs of Russia 10-13 October	Murmansk, Russia	FY07		LME Program Office, S. Adams, Tech.Ed.	
UNIDO Expert Group Meetings (2) - 15-19 October	Vienna, Austria	FY07		LME Program Office, S. Adams, Tech.Ed.	
Norway/ UN Conference, the 5th Trondheim Conference on Biodiversity, 29 October 2 November 2007	Trondheim, Norway	FY07		LME Program Office, S. Adams, Tech.Ed.	
Arctic Council, PAME. Group of Experts, U.S. Chair, K. Sherman	Copenhagen, DK	ongoing		LME Program Office, S. Adams, Tech.Ed.	Arctic Council, PAME