
Appendix

A.1 LOICZ Reports and Studies and Key Publications

A.1.1 LOICZ Reports and Studies Series (published as LOICZ Reports and Studies, LOICZ International Project Office, Texel, The Netherlands)

Coastal Seas: A Net Source of Atmospheric Carbon Dioxide?

Kempe S. No. 1, 1995

River Discharge to the Sea: A Global River Index (GLORI):

Milliman JD, Rutkowski C, Meybeck M. No. 2, 1995

LOICZ Typology: Preliminary Versions for Discussion:

Anon. No. 3, 1995

Coastal Zone Resource Assessment Guidelines:

Turner RK, Adger WN. No. 4, 1996

LOICZ Biogeochemical Modelling Guidelines:

Gordon DC, Boudreau PR, Mann KH, Ong J-E, Silvert WL, Smith SV, Wattayakorn G, Wulff F, Yanagi T. No. 5, 1996

LOICZ Data and Information Systems Plan:

Boudreau PR, Geerders PJE, Pernetta JC. No. 6, 1996

First Report of the JGOFS/LOICZ Continental Margins Task Team:

Hall J, Smith SV (eds). No. 7, 1996

Groundwater Discharge in the Coastal Zone:

Buddemeier RW (ed). No. 8, 1997

International Workshop on Continental Shelf Fluxes: Carbon, Nitrogen and Phosphorus:

Hall J, Smith SV, Boudreau PR (eds). No. 9, 1997

Comparison of Carbon, Nitrogen and Phosphorus Fluxes in Mexican coastal Lagoons:

Smith SV, Ibarra-Obando S, Boudreau PR, Camacho-Ibar VF (eds). No. 10, 1997

Towards Integrated Modelling and Analysis in Coastal Zones: Principles and Practice:

Turner RK, Adger WN, Lorenzoni I. No. 11, 1998

Australasian Estuarine Systems: Carbon, Nitrogen and Phosphorus Fluxes:

Smith SV, Crossland CJ (eds). No. 12, 1999

Mexican and Central American Coastal Lagoon Systems: Carbon, Nitrogen and Phosphorus Fluxes (Regional Workshop II):

Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 13, 1999

Estuarine Systems of the South China Sea: Carbon, Nitrogen and Phosphorus Fluxes:

Dupra VC, Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 14, 2000

Estuarine Systems of the South American Region: Carbon, Nitrogen and Phosphorus Fluxes:

Dupra VC, Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 15, 2000

Estuarine Systems of the East Asia Region: Carbon, Nitrogen and Phosphorus Fluxes:

Dupra VC, Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 16, 2000

Biochemical and Human Dimensions of Coastal Functioning and Change in South East Asia:

Talaue-McManus L, Kremer HH, Marshall Crossland JI (eds). No. 17, 2001

Estuarine Systems of Sub-Saharan Africa: Carbon, Nitrogen and Phosphorus Fluxes:

Dupra VC, Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 18, 2001

Coastal and Estuarine Systems of the Mediterranean and Black Sea Regions: Carbon, Nitrogen and Phosphorus Fluxes:

Dupra VC, Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 19, 2001

Estuarine Systems of Africa (Regional Workshop II): Carbon, Nitrogen and Phosphorus Fluxes:

Dupra VC, Smith SV, David LT, Waldron H, Marshall Crossland JI, Crossland CJ (eds). No. 20, 2002

South American Basins: LOICZ Global Change Assessment and Synthesis of River Catchment-Coastal Sea Interaction and Human Dimensions:

De Lacerda LD, Kremer HH, Kjerfve B, Salomons W, Marshall Crossland JI, Crossland CJ (eds). No. 21, 2002

LOICZ/UNEP Regional Synthesis Workshops: Australasia-Asia, the Americas, Africa-Europe. Summary report and compendium:

Buddemeier RW, Crossland CJ, Maxwell BA, Smith SV, Swaney DF, Bartley JD, Misgna G, Smith C, Dupra VC, Marshall Crossland JI (eds). No. 22, 2002

Estuarine Systems of the Latin American Region and of the Arctic Region: Carbon, Nitrogen and Phosphorus Fluxes:

Camacho-Ibar VF, Dupra VC, Wulff F, Smith SV, Marshall Crossland JI, Crossland CJ (eds). No. 23, 2002

The Role of the Coastal Zone in the Disturbed and Undisturbed Nutrient and Carbon Cycles:

Buddemeier, RW, Smith SV, Swaney DP, Crossland CJ (eds). No. 24, 2002

African Basins: LOICZ Global Change Assessment and Synthesis of River Catchment-Coastal Sea Interaction and Human Dimensions:

Arthurton RS, Kremer HH, Odada E, Salomons W, Marshall Crossland JI (eds). No. 25, 2002

East Asia Basins: LOICZ Global Change Assessment and Synthesis of River Catchment-Coastal Sea Interaction and Human Dimensions:

Hong GH, Kremer HH, Pacyna J, Chen C-TA, Behrendt H, Marshall Crossland JI (eds). No. 26, 2002

Caribbean Basins: LOICZ Global Change Assessment and Synthesis of River Catchment-Coastal Sea Interaction and Human Dimensions and a Desktop Study of Oceania Basins:

Kjerfve B, Wiebe WJ, Kremer HH, Salomons W, Marshall Crossland JI (Caribbean); Morcom N, Harvey N, Marshall Crossland JI (Oceania) (eds). No. 27, 2002

A.1.2 Key Publications from LOICZ

Coral Reefs and Environmental Change – Adaptation, Acclimation or Extinction:

Buddemeier RW, Lasker HR (eds). *American Zoologist* 39(1): 1–183, 1999

Perspectives on Integrated Coastal Management:

Salomons W, Turner RK, de Lacerda LD, Ramachandran S (eds). Springer, Berlin, 1999

Scientific Report on Socio-economic Aspects of Fluxes into the Marine Environment:

Pacyna JM, Kremer HH, Pirrone N, Barthel K-G (eds). EU Monograph Series EUR 19089, EU Commission, Brussels, 2000

Land-Ocean Interactions in the Coastal Zone:

Crossland CJ, van Raaphorst W, Kremer HH (eds). *Journal of Sea Research Special Issue* 46(2):85–185, 2001

Nearshore and Coastal Oceanography. ELOISE – European Land Ocean Interaction:

Huntley DA, Oltman-Shay J, Murray N (eds). *Continental Shelf Research* 21(18–19):1919–2183, 2001

Regimes of Regional and Global Coastal Change:

Kremer HH (ed). *Regional Environmental Change* 3(1–3):1–117, 2002

Supply and Flux of Sediment along Hydrological Pathways: Anthropogenic Influences at the Global Scale:

Syvitski JPM (ed). *Global and Planetary Change* 39(1–2):1–199, 2003

Submarine Groundwater Discharge:

Burnett WC, Chanton JP, Kontar E (eds). *Biogeochemistry* 66(1–2): 1–202, 2003

River Catchment-Coastal Sea Interactions and Human Dimensions:

Kremer HH (ed). *Regional Environmental Change* 4(1):1–76, 2004

European Catchments: Catchment Changes and their Impact on the Coast:

Salomons W. Institute for Environmental Studies, Vrije University, Amsterdam, The Netherlands, 2004

Managing European Coasts: Past, Present and Future:

Vermaat JE, Ledoux LC, Salomons W, Turner RK. Springer, Berlin, Heidelberg, New York, 2005

A.2 Acronyms and Abbreviations

APN	Asia-Pacific Network for Climate Change
ARI	average recurrence interval
BAU	business-as-usual
CAP	Common Agricultural Policy (EU)
CMTT	Continental Margins Task Team (a joint project between LOICZ and JGOFS)
COOP	Coastal Ocean Observing Programme (the coastal module of GOOS)
CPR	continuous plankton recorder

CPUE	catch per unit effort	LME	large marine ecosystem
CVI	coastal vulnerability index	LOICZ	Land-Ocean Interactions in the Coastal Zone core project of IGBP
denit	denitrification	LOICZ IPO	LOICZ International Project Office
DIC	dissolved inorganic carbon	LOIS	Land-Ocean Interaction Study, United Kingdom
DIN	dissolved inorganic nitrogen	NAO	North Atlantic Oscillation
DINAS-COAST	Dynamic and Interactive Assessment of National, Regional and Global Vulnerabil- ity of Coastal Zones to Climate Change and Sea-level Rise	NEM	net ecosystem metabolism
DIP	dissolved inorganic phosphorus	nfix	nitrogen fixation
DIVERSITAS	an international programme on biodiver- sity science	NIWA	National Institute of Water & Atmospheric Research, New Zealand
DMS	dimethyl sulphoxide	NOAA	National Ocean and Atmosphere Administra- tion, United States of America
DOC	dissolved organic carbon	NSF	National Science Foundation, United States of America
DON	dissolved organic nitrogen	NWO	Netherlands Organisation for Scientific Re- search
DOP	dissolved organic phosphorus	OBIS	Ocean Biogeographic Information System
DPSIR	Driver-Pressure-State-Impact-Response	OcW	Ministry of Education, Culture & Science, The Netherlands
DV	dredged volume	OECD	Organisation for Economic Cooperation and Development
EEA	European Environment Agency	OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic
ENSO	El Nino-Southern Oscillation	<i>p</i>	primary production
ERA	eastern Russian coast	PAGES	Past Global Changes core project of IGBP
EU	European Union	PAH	poly-aromatic hydrocarbon
EU-BIOGEST	EU-ELOISE project: Biogases Transfers in Estuaries	PCB	poly-chlorinated benzene
EU-ELOISE	European Union – European Land-Ocean Interaction Studies	PET	potential evapo-transpiration
FAO	Food and Agriculture Organisation	PNG	Papua New Guinea
GEF	Global Environment Facility	psu	practical salinity unit
GESAMP	Group of Experts on the Scientific Pros- pects of Marine Environmental Protection	RI	retention index
GHG	greenhouse gas	RIKZ	Water Management, Ministry for Transport and Public Works and Water Management, The Netherlands
GIA	glacio-isostatic adjustment	RMA	reduced major axis
GIS	geographical information system	RO	runoff
GIWA	Global International Water Assessment	SARCS	Southeast Asia Regional Committee for START
GM	geometric mean	SCOR	Scientific Committee on Oceanic Research
GNP	gross national product	SGD	submarine groundwater discharge
GOOS	Global Ocean Observing System	SGR	submarine groundwater recharge
Gt	gigatonne	SPE	submarine porewater exchange
HAB	harmful algal bloom	SPREP	South Pacific Regional Environmental Pro- gramme
HELCOM	Helsinki Commission	SRES	Special Report on Emission Scenarios
IAI	Inter-Americas Institute	SSC	Scientific Steering Committee
ICSU	International Council for Science	SST	sea surface temperature
IGBP	International Geosphere-Biosphere Pro- gramme	START	Global Change System for Analysis, Research and Training
IHDP	International Human Dimensions Pro- gramme on Global Environmental Change	SURVAS	Synthesis and Upscaling of Sea-level Rise Vulnerability Assessment Studies
ICZM	integrated coastal zone management	TIMS	thermal ionisation mass spectrometry
IOC	Intergovernmental Oceanographic Com- mission of UNESCO	UNCED	United Nations Conferences on Environment and Development
IOI	International Ocean Institute	UNCLOS	United Nations Convention on the Law of the Sea
IPCC	Intergovernmental Panel on Climate Change	UNEP	United Nations Environment Programme
JGOFS	Joint Global Ocean Flux Study; a core pro- ject of IGBP		
KNAW	Royal Netherlands Academy of Arts and Sciences		
Royal NIOZ	Royal Netherlands Institute for Sea Research		

UNESCO	United Nations Educational, Scientific and Cultural Organisation	WOTRO	Netherlands Foundation for the Advancement of Tropical Research
WCRP	World Climate Research Programme	WRA	western Russian coast
WFD	Water Framework Directive (WFD)	WVS	world vector shoreline