

Problems identified in CCA	"Problem Issue"	Regional target (2020)	General action	Ideal Management Action			Analysis of Planned & On-going Management Actions			Feasible Management Actions by 2020			Technical Fefasibility	Remark
				Technical	Institutional	Legislative	Technical	Institutional	Legislative	Technical	Institutional	Legislative		
Ecosystem changes (lower trophic level and benthos)		Provide relevant information to understand and predict ecosystem status	Assess and monitor the impact of N/P/Si change	harmonized and coherent monitoring methodologies	Establish cross-basin monitoring network	[note: noting needed???	countries have different sampling methods and seasons; regular survey only cover limited area; not designed to reveal basin-scale changes	no cross-basin monitoring due to lack of co-ordination among different agencies;[note: is this institutional????]		harmonized and coherent monitoring methodologies	Establish cross-basin monitoring network	[note: noting needed???] regional agreements for joint monitoring?		
			Assess and monitor the impact of climate change	harmonized and coherent monitoring methodologies	Establish cross-basin monitoring network	[note: noting needed???	ditto	lack of taxonomists [note: did not understand] seems misplaced for impact of climate change; move to technical? Unless it's a need for more funding to train taxonomists		harmonized and coherent monitoring methodologies	Establish cross-basin monitoring network	[note: noting needed???		
			Monitor the tranboundary impact of jellyfish blooms	develop monitoring methodologies	Establish monitoring network	[note: noting needed???	ditto			develop monitoring methodologies	Establish monitoring network	[note: noting needed???		
			Predict ecosystem change in the long run	develop models to predict ecosystem change and its impact on fisheries	establish regional science committee to do what?	incorporate the prediction into management policy	no activities [delete] keep, so reader knows no current efforts are in place	no activities [delete] keep, so reader knows no current efforts are in place		develop models to predict ecosystem change and its impact on fisheries	establish regional science committee to do what?	incorporate the prediction into management policy		
			Monitor the tranboundary impact of jellyfish blooms	develop nat'l and reg'l monitoring methodologies	Establish international monitoring network	[note: noting needed???	no co-ordinated monitoring	no international monitoring network		develop nat'l and reg'l monitoring methodologies	Establish international monitoring network	[note: noting needed???		combine with Line #22
			Monitor HAB occurrences	develop regional? monitoring methodologies	[mechanism for] capacity building in HAB monitoring, prediction and management	[note: noting needed???	monitoring programmes only at national level and scattered among responsible agencies	conduct periodic monitoring [is this Technical???		improve capability in HAB monitoring, prediction and mitigation	conduct periodic monitoring [is this Technical???	[note: noting needed???		
Increased frequency of HABs	See Nitrogen enrichment and eutrophication	< 5 events on each coast (HAB includes high biomass algal bloom)	See Nitrogen enrichment and eutrophication	control nutrients loading; environment friendly exploitation in coastal waters	[See; are you saying mechanism to check?] Nitrogen enrichment and eutrophication	establishing laws to meet the target regulations on HAB management and mitigation	See Nitrogen enrichment and eutrophication [note: can Technical, Institutional and Legislative same???	See Nitrogen enrichment and eutrophication [note: can Technical, Institutional and Legislative same???	See Nitrogen enrichment and eutrophication [note: can Technical, Institutional and Legislative same???	See Nitrogen enrichment and eutrophication [note: can Technical, Institutional and Legislative same???	See Nitrogen enrichment and eutrophication [note: can Technical, Institutional and Legislative same???		actions for N enrichment should lower HAB events. Combine with above monitoring to ensure target is met.	