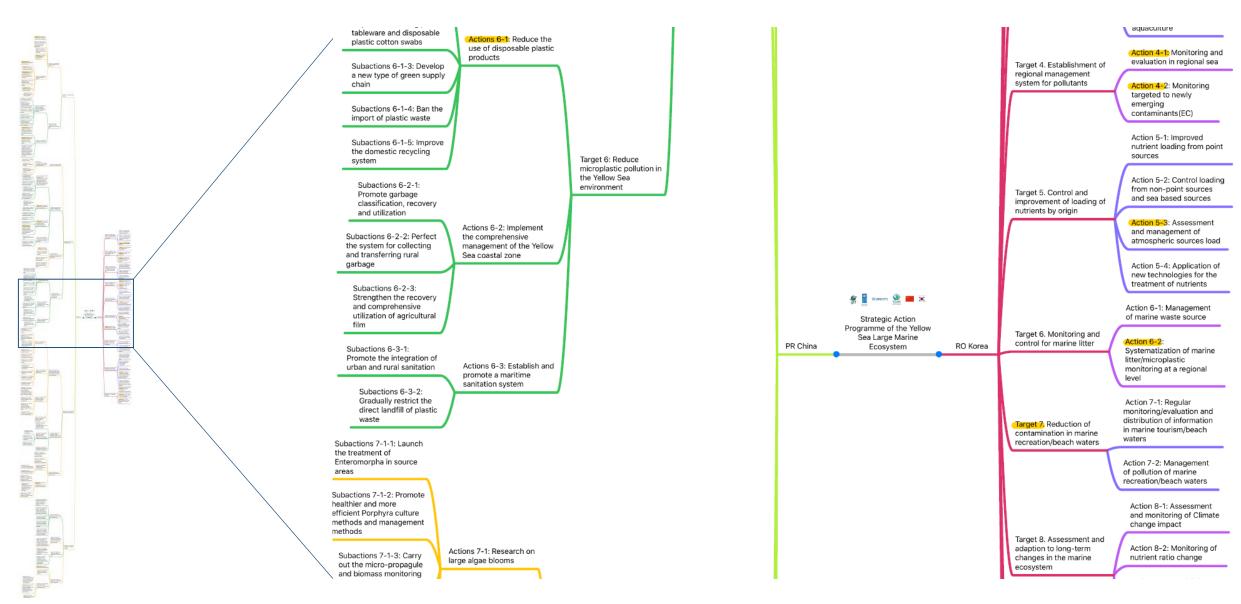
Targets and Actions from National SAP documents were mapped



Draft targets and management actions were selected from both documents which addressed ecosystem goals and could be applied at the regional level

End of May Early July Revision – All Existing Management Actions Protect Human Health the Marine Environment Maintain Protect human health (4.2) Process indicator: 4. Reduce discharges of nutrients and contaminants Level of reduction in the use of drugs in mariculture (4.2.1 MA 5.2) MA 4.1 Decrease point source loading of nutrients from sewage discharge through sewage treatment upgrades Percentage of mariculture enterprises complying with national mariculture drug use standards (4.2.1 MA 5.2) MA 4.2 Decrease non-point sources by managing watersheds loading of nutrients by improving agricultural practices Level of reduction of discharge of TN and TP by target industries (4.2.2 MA 4.1) MA 4.3 Decrease the impact of point and non-point sources of pollution through ecologically based approaches Availability of comprehensive marine environment quality standards (4.2.2 MA 4.1) MA 4.4 Develop a regionally harmonized approach for calculating allowable discharge of pollutants Percentage of rivers in Yellow Sea with TPL targets and nutrient reduction measures in place (4.2.2 MA 4.1) MA 4.4 Strengthen the prevention and control of pollution from harbors and ships collection rate of ship-based oil-contaminated water and chemical-based tank washing water (4.2.2 MA 4.4) Assess and manage atmospheric source pollutant loads Fertilizer use efficiency has improved x percent over baseline in ten years (4.2.2 MA 4.3) MA 4.6 Implement harmonized monitoring targeted to nutrients from land-based, aquaculture-based, and atmospheric

PRC

Targe	et 4. Reduce pollutant input into the Yellow Sea		
4-1	Implement the comprehensive management of the Yellow Sea coasta		
	zones, and reduce the number and discharged amount of land-based		
	sewage outlets that discharge pollutants directly into the sea		
	4-1-1	Carry out comprehensive investigations and registration of	
		release-to-sea sewage outlets	
	4-1-2	Strictly implement the pollutant discharge standards	
	4-1-3	Research the ecological environmental effect threshold of	
		pollutants	
	4-1-4	Establish a comprehensive marine environmental quality	
		standard system for the Yellow Sea	
4-2	Continually improve the rivers flowing into the Yellow Sea		
	4-2-1	Calculate the allowable discharge of pollutants	
	4-2-2	Define phased-in pollution load reduction goals	
	4-2-3	Put forward the list of feasible regulation projects	

sources, and newly emerging contaminants

SAP	National MA
4.1	PRC 4-1, ROK 5-1
4.2	ROK 5-2 partially?
4.3	Review other targets
4.4	PRC 4 2 1
4.5	ROK 5-3
4.6	ROK 5-3
4.7	ROK 4-2

· Think about focusing more on sectors of pollution air, sea-based, etc.

- Areas of restored and artificial wetland (4.2.3 MA 4.3)
- Density of beach litter (4.2.4 MA 6.3)
- Density of flowing marine litter (4.2.4 MA 6.3)

Performance Environmental Status indicator:

- Vegetation structure of restored wetland (4.2.3)
- Areas and frequency of HAB outbreak (4.2.3)
- Weight of garbage in kilograms collected in coastal areas and beach sites (4.2.4 MA 6.1)

ROK

Target 4. Establish regional management system for pollutants				
4-1	Monitoring and evaluation in regional sea			
4-2	Monitoring targeted to newly emerging contaminants (EC)			
Target 5. Control and improvement of loading of nutrients by origin				
5-1	Improved nutrient loading from point sources	Γ		
5-2	Control loading from non-point sources and sea-based sources			
5-3	Assessment and management of atmospheric sources loads			
5-4	Application of new technologies for the treatment of nutrients			

- 1		Target 7. Reduce contamination in marine recreation / beach waters		
	7-1	Routine monitoring / evaluation and distribution of information in marine tourism /		
		beach waters		
	7-2	Management of pollution of marine recreation / beach waters		

Targets and management actions were reviewed and edited by NWGs.

Goal 1. Ensure Sustainable Fisheries and Aquaculture

Target 1: Create and Maintain a Sustainable Capture Fishery

- 1.1 Improve the management system for fishery conservation areas
- 1.2 Reduce fishing activity
- 1.3 Build a TAC joint management system for fish stocks (ROK)
- 1.4 Establish certification for responsible capture fishery practices
- 1.5 Implement sustainable dynamic biological resource management

Target 2: Develop a Sustainable and Economically Robust Marine Aquaculture Industry

- 2.1 Adopt ecological aquaculture models
- 2.2 Reduce impacts of nutrients, pathogens, residual feeds, and antibiotics in marine aquaculture
- 2.3 Establish certification for responsible marine aquaculture practices

Target 3: Build Social Safeguards into Development of a Sustainable Marine Food Supply

- 3.1 Create investment incentives for sustainable fishing and aquaculture practices
- 3.2 Retrain fishermen for alternative livelihoods

Goal 2. Protect the Marine Environment

Target 4: Reduce Discharges of Nutrients and Contaminants

- 4.1 Reduce the impact of nutrients pollution from land-based activities (including point and non-point sources)
- 4.2 Strengthen the prevention and control of pollution from maritime activities

Target 5: Reduce Exposure to Pathogens and Toxics in the Marine Environment

- 5.1 Implement regional monitoring of newly emerging contaminants
- 5.2 Develop monitoring and early warning systems of pathogens and toxins for public bathing waters (beaches)

Target 6: Control and Manage Marine Litter and Microplastics

- 6.1 Improve the management of domestic and agricultural solid waste
- 6.2 Proper management (recycling/reuse/disposal) of used fishing nets and gears and develop alternatives for disposable plastics
- 6.3 Regional monitoring of marine litter and microplastics in the YSLME
- 6.4 Organize public awareness and cleanup campaigns for public beaches

Goal 3. Improve Ecosystem Resilience

Target 7: Assess and Adapt to Long Term Changes in the Marine Ecosystem

- 7.1 Monitor and assess long-term changes in marine ecosystem
- 7.2 Develop regional strategies for ecosystem management under predicted climate change scenarios

Target 8: Conserve and Improve Biodiversity and Habitats

- 8.1 Strengthen MPA networks for endangered migratory mammals and
- 8.2 Strengthen protection and restoration of coastal wetlands, spawning grounds, and migratory routes

Target 9: Prevent and Reduce Marine Disasters

- Improve early warning, monitoring, and assessment capabilities for harmful organism blooms
- Prevent the occurrence of macroalgae blooms through ecosystem management
- Establish an ecological disaster reduction system in the Yellow Sea coastal zone

Target 10: Control and Prevent Invasive Species

- 10.1 Promote mechanisms for the management and control of alien invasive species
- 10.2 Implement the International Convention for the Control and Management of Ships' Ballast Water and Sediment

Vision and Mission were revised based on experience gained through the YSLME Phase II project and new insights into ecosystem management.

VISION

29 June Draft

Our vision is to protect, conserve, and restore the ecosystem health, and natural resources, and environment of the Yellow Sea to secure a sustainable safe and reliable source of food, recreation, and livelihoods; to support sustainable economic growth; and to protect human health, while

also meeting the aspirations for friendship, peace and prosperity of all generations into the future.

MISSION

29 June Draft

Our mission is to bring all stakeholders together at local, national, regional and global levels to ensure that human impacts resource use-remain within in line with-natural ecosystem carrying capacity while <a href="building-ecosystem-audition-in-line-with-natural-ecosystem-audition-capacity-while-building-ecosystem-audition-in-line-with-natural-ecosystem-audition-in-lin

Full SAP draft was distributed to NWGs in mid-August 2020

A	cknowled	<u>dgement</u>		
Executive Summary				
•	1	Introduction		
•	1.1	An Updated SAP for the YSLME		
•	1.2	A Vision and Mission for the Future of the YSLME		
	1.3	The Purpose, Scope, and Approach of the SAP		
•	2	The Technical Basis for the YSLME SAP		
	2.1	Socioeconomic and Environmental Contexts		
•	2.2	Priority Transboundary Problems		
•	2.3	Formulating Solution Strategies		
•	3	Strategic Actions for the YSLME		
•	3.1	Goal 1: Ensure Sustainable Fisheries and Aquaculture		
•	3.2	Goal 2: Protect the Marine Environment		
•	3.3	Goal 3: Improve Ecosystem Resilience		
•	4	Enabling Conditions for the YSLME SAP		
•	4.1	Formulate and Implement Laws and Regulations		
•	4.2	Improve Regional Governance Mechanisms		
•	4.3	Mainstream Gender in Management Actions		
•	4.4	Incorporate Public Awareness and Education as Drivers of Success		
•	5	Monitoring and Evaluation		
•	5 1	Monitoring and Evaluation Indicators		

References

Annex I: Performance Indicators for Monitoring and Evaluation

Monitoring and Evaluation Mechanisms

