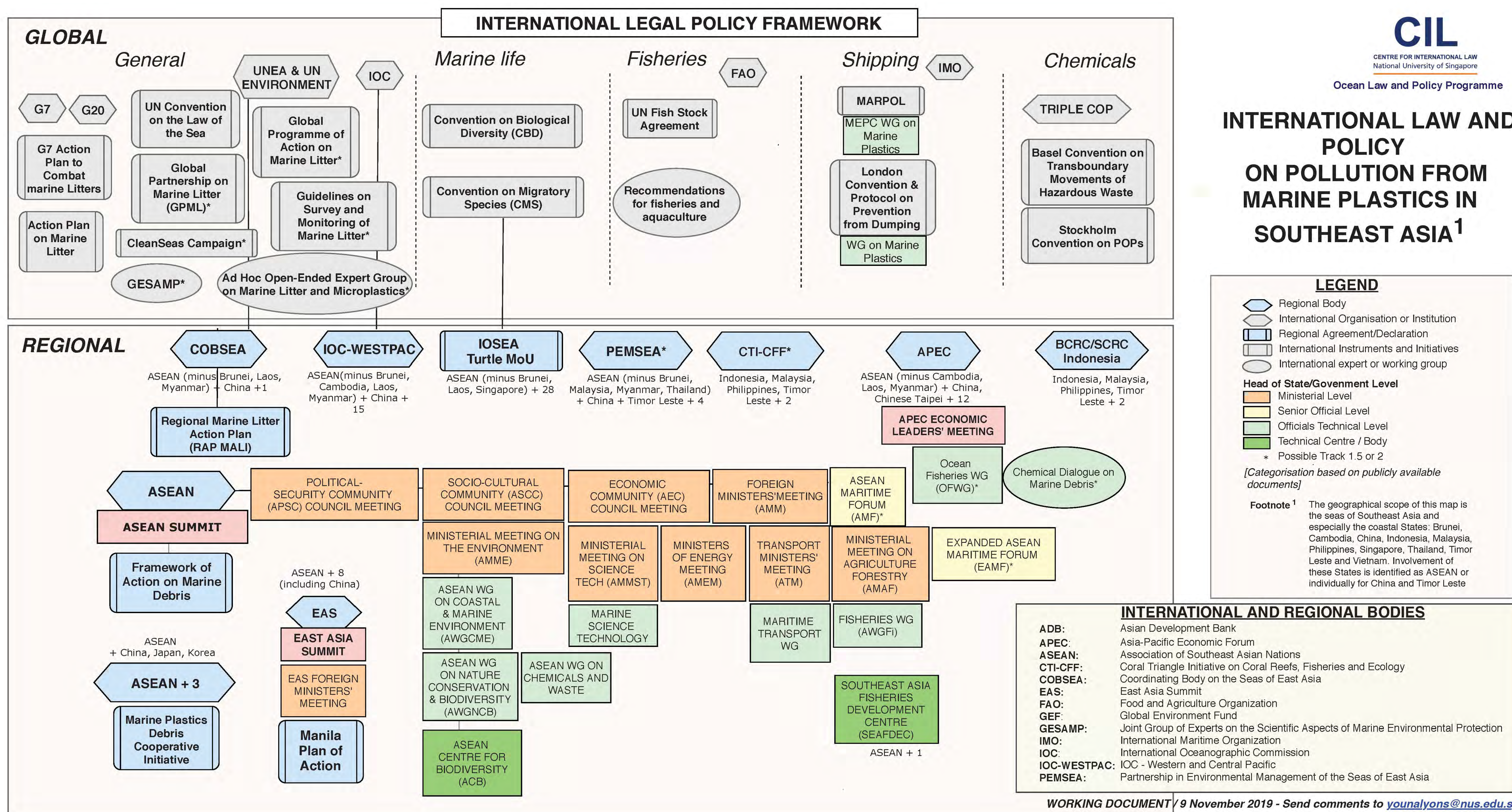


## The crest of the University of Cambridge, featuring a blue shield with a white lion passant guardant, a white open book, and a white Trinity knot.

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Research Topic	ASEAN Leaders and initiatives*	ASEAN WG on CME	ACB	AWGCW	ASEAN Events
Policy, laws, administrative measures					
Action Plan, guidelines and standards					
Public outreach / Beach clean-up					
Language and cultural barriers/data accessibility					
Upstream research / Circular economy/ Waste management					
Research framework, coordination					
Surveys and monitoring / pollution status					
Methodology for the monitoring and assessment of marine litter					
Source differentiation					
Port reception facilities					
Fiber reinforced plastic vessels					
Hull scraping and marine coating					
Discharge from offshore infrastructures (incl. aquaculture)					
Contribution of fisheries/Lost and abandoned fishing gear					
Contribution from rivers/river basin management					
Accumulation zones & Hotspots					
Fragmentation and degradation					
Microplastics					
Ecological and environmental impact					
Socio-economic impact					

Research Topic	COBSEA	PEMSEA	APEC	CTI-CFF	SEADEC	IOC/ WESTPAC
Policy, laws, administrative measures					NA	NA
Action Plan, guidelines and standards						
Public outreach / Beach clean-up						NA
Language and cultural barriers/data accessibility						NA
Upstream research / Waste management						NA
Research framework, coordination						
Surveys and monitoring / pollution status						
Methodology for the monitoring and assessment of marine litter						
Source differentiation						
Port reception facilities						
Fiber reinforced plastic vessels						
Hull scraping and marine coating						
Discharge from offshore infrastructures (incl. aquaculture)						
Contribution of fisheries/lost and abandoned fishing gear						
Contribution from rivers/river basin management						
Accumulation zones & Hotspots						
Fragmentation and degradation						
Microplastics						
Ecological and environmental impact						
Socio-economic impact						NA

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# COBSEA RAP-MALI vs ASEAN FRAMEWORK

## GOALS & OBJECTIVES

COBSEA REGIONAL ACTION PLAN ON MARINE LITTER (RAP MALI) 2019	BANGKOK DECLARATION ON COMBATING MARINE DEBRIS IN ASEAN REGION & ASEAN FRAMEWORK OF ACTION ON MARINE DEBRIS 2019
GOALS	
1) Sustainable and integrated marine litter management in the East Asian Seas region	
2) Delivery of SDG 14.1 on marine pollution prevention and reduction and associated targets	
OBJECTIVES	
1) Prevent and reduce to the minimum marine litter pollution in the marine and coastal environment of the East Asian Seas Region	
2) Foster sustainable consumption and production in a multi-stakeholder whole lifecycle approach to prevent and reduce leakage at source	
3) Remove to the extent possible already existent marine litter by using environmentally acceptable methods	
4) Improve monitoring and assessment of marine litter and its impacts for a science-based approach	
5) Enhance knowledge sharing and awareness about marine litter and its impacts amongst all stakeholders and all groups of society in the East Asian Seas Region	
6) Support national efforts towards adequate institutional, policy and implementation frameworks, cross sector coordination and regional and international cooperation	

## RESEARCH FOCUS BY NON-GOVERNMENTAL INITIATIVES

Research Topic	AMPSA	IUCN	FFI	Ocean Conservancy	Trash Hero	Cefas	CSIRO	ECNU	NORAD/ GRID-Arendal	Sida	GA Circular	Circulate Capital
Policy, laws, administrative measures												
Action Plan, guidelines and standards												
Public outreach / Beach clean-up												
Language and cultural barriers/data accessibility												
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Fragmentation and degradation												
Microplastics												
Ecological and environmental impact												
Socio-economic impact												

## PLANNED ACTIVITIES

COBSEA RAP MALI 2019	ASEAN FRAMEWORK OF ACTION ON MARINE DEBRIS
<b>Action 1: Preventing and reducing marine litter from land-based sources</b>	<b>1) POLICY SUPPORT &amp; PLANNING</b>
<b>1.1) Legal &amp; economic instruments</b>	<b>A. Regional policy dialogue</b>
1.1.1) Enhance leadership, implementation and quality of government efforts	1.A.1) Regular policy dialogue/discussion
1.1.2) Solid waste management policies and agency coordination through policy-making mechanism	
1.1.3) Develop and adopt instruments prevent/manage waste and towards circular economies including single-use plastics and deposit refund	
<b>1.2) Integrated waste management</b>	<b>B. Multi-sectoral policy</b>
1.2.1) Develop Industry dialogues for measures	1.B.1) Long-term waste management & circular economy
1.2.2) Reduction, reuse & recycle as well as replacement to reduce amounts to landfill or incineration without energy recovery	1.B.2) Extended Producer Responsibility (EPR) policies e.g. design for environment, deposit refund and take-back for reusing and recycling
1.2.3) Waste collection & separation systems	1.B.3) Government & business for product sustainability addressing single-use plastics
1.2.4) Take necessary measures to address illegal dumping	1.B.4) Upstream policies on land-based & sea-based leakages
1.2.5) Cooperation with river authorities	
<b>1.3) Removal of existing litter and its disposal</b>	1.B.5) Inter-sectoral initiatives
1.3.1) Programs & activities such as coastal clean-ups	1.B.6) Prioritization for national & local governments
<b>Action 2: Preventing and reducing marine litter from sea-based sources</b>	<b>C. Implementation of relevant laws &amp; agreements e.g. MARPOL Annex V, Basel Convention &amp; UNEP Resolution on marine litter &amp; microplastic</b>
<b>2.1) Legal &amp; economic instruments</b>	1.C.1) Incorporation of international laws and agreements related to waste management
2.1.1) Encouragement to develop & adopt instruments consistent with UNCLOS & MARPOL	1.C.2) Enabling conditions for implementation
2.1.2) Reinforcement of national legal instruments on MARPOL Annex V, London Convention & FAO Code of Conducts of Responsible Fisheries	1.C.3) Regular dialogue on Basel Convention Regional Centre on SE Asia (BCRC-SEA)
2.1.3) Assistance on requirements of MARPOL Annex V on improving port reception facilities	<b>D. Regional action plan development</b>
2.1.4) Sectoral prevention & reduction guidelines on fisheries & tourisms	1.D.1) Taskforce on regional action plan development
2.1.5) Legislation on identified fishing gears	1.D.2) Best practices from Regional Seas Program
<b>2.2) Removal of existing litter and its disposal</b>	
2.2.1) Programs & activities	1.D.3) Feasibility of ASEAN Agreement
<b>Action 3: Monitoring and assessment of marine litter</b>	1.D.4) Feasibility of ASEAN Centre
<b>3.1) Expert group</b>	1.D.5) Contribution to East Asia Summit effort on regional action plan
3.1.1) Setup of Marine Litter Monitoring Expert Group under COBSEA Working Group on Marine Litter	<b>2) RESEARCH, INNOVATION &amp; CAPACITY BUILDING</b>
<b>3.2) Regional &amp; national marine litter monitoring programs</b>	<b>A. Regional baseline on status &amp; impacts</b>
3.2.1) Regional guidance on harmonization in line with international standards e.g. GESAMP	2.A.1) Baseline review & report development
3.2.2) Regional training & data management	2.A.2) Assessment & bridging gaps
3.2.3) National monitoring & assessment on marine plastic & microplastic	<b>B. Capacity development for national action plans/activities implementation</b>
3.2.4) Report preparation for SDG target 14.1	2.B.1) Standardize monitoring & evaluation methods
3.2.5) Database management	2.B.2) Capacity need assessment of ASEAN Member States
<b>Action 4: Activities supporting the implementation of COBSEA RAP MALI</b>	2.B.3) Trainings
<b>4.1) Regional &amp; international cooperation and reporting</b>	<b>C. Scientific knowledge, technology transfer &amp; innovation solution</b>
4.1.1) Setup of COBSEA Working Group on Marine Litter	2.C.1) Research & knowledge sharing
4.1.2) Institutional cooperation e.g. MARPOL, London Convention, Basel Convention, CBD, GPA & FAO	2.C.2) Cooperation & Partnership across institutions
4.1.3) City partnership for knowledge transfer	2.C.3) Innovative solutions by cities
4.1.4) Regional conferences e.g. ASEAN	2.C.4) Research & studies on plastics & microplastics
<b>4.2) National planning &amp; policy frameworks</b>	2.C.5) Possible sharing networks
4.2.1) National action plan development & implementation or on equivalent GPA land-based	2.C.6) Reserach on environmentally - friendly alternatives
4.2.2) Regional sectoral guidelines on waste management, tourism and plastic manufacturing	
4.2.3) Reporting format of national planning & policy frameworks	<b>3) PUBLIC AWARENESS, EDUCATION &amp; OUTREACH</b>
<b>4.3) Research activities</b>	<b>A. Public Awareness on status &amp; impacts</b>
4.3.1) Research & development on technology as well as social & behavioral sciences	3.A.1) Science-based communication materials
4.3.2) Research on marine litter impacts	3.A.2) Information dissemination to the public
4.3.3) Effectiveness on market-based instruments	<b>B. Behavior change &amp; culture</b>
4.3.4) Trajectory modeling on marine litters	3.B.1) Communication plan development
4.3.5) Plastic flows and relative contribution	3.B.2) Best practices & campaigns
<b>4.4) Information, education, outreach &amp; involvement of stakeholders</b>	3.B.3) Sharing of alternative solutions & practices
4.4.1) Stakeholder involvement	
4.4.2) Regular clean-ups for education, awareness, certain responsibility areas & international initiatives	3.B.4) Integration of scientific findings
4.4.3) Awareness raising campaigns	3.B.5) Multistakeholder engagement
4.4.4) Information translated into national languages	<b>C. Platform for knowledge sharing, innovative solutions &amp; best practices</b>
<b>4.5) Training &amp; capacity building</b>	3.C.1) Expert exchange platforms and/or study trips
4.5.1) Regional education & training for targeted groups	3.C.2) ASEAN platform
4.5.2) Technical capacity buildings to relevant staffs	<b>4) PRIVATE SECTOR ENGAGEMENT</b>
	<b>A. Collaboration with private sector &amp; industry association</b>
	4.A.1) Support on private sector for implementation measures
	<b>B. Private sector investment &amp; contribution</b>
	4.B.1) Private sector engagement with circular economy, product life-cycle management, sustainability & 3R
	4.B.2) Mainstream private sector to support reseach & as well as CSR activities
	4.B.3) Private sector investment for product redesign/packaging & alternative materials
	4.B.4) Value chain stakeholders for increasing waste recovery & recycling rates

### Legend



Covered



Not covered