

**ASEAN Health Cluster 2 Work Programme for 2016 to 2020**

**ASEAN HEALTH CLUSTER 2: RESPONDING TO ALL HAZARDS and EMERGING THREATS**

<b>A.1</b>	<b>ALIGNMENT with ASEAN ASCC BLUEPRINT</b>	Strategic measures: A.1.i & ii / A.2.i, iii, iv & vi / B.1.ii & v / B.2 iv & xii/ B.3 i/ C.1 iv & vii/ C.2. ii, iii & iv /D.1 i & iii/ D.2 I, ii, & iii / D.3 i/ D.5 iii / E.1.iv & viii / E.2.i,iii,vii & ix/ E.3.iii
<b>A.2</b>	<b>ALIGNMENT WITH SUSTAINABLE DEVELOPMENT GOALS (SDGs)</b>	<p>SDG Goal #3: Ensure healthy lives and promote well-being for all at all ages (Targets 3.3, 3.d)</p> <p>SDG Goal #6: Ensure availability and sustainable management of water and sanitation for all (Target 6.2)</p> <p>SDG Goal # 11: Make cities and human settlements inclusive, safe, resilient and sustainable (indirectly)</p> <p>SDG Goal # 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development (Targets 17.9, 17.16, 17.18)</p>
<b>A.3</b>	<b>ASEAN Post 2015 Health Development Agenda GOALS for 2020</b>	<ol style="list-style-type: none"> <li>1. To promote resilient health system in response to communicable diseases, emerging infectious diseases, and neglected tropical diseases</li> <li>2. To respond to environmental health threats, hazards, disasters, and to ensure effective preparedness for disaster health management in the region</li> </ol>
<b>A.4</b>	<b>HEALTH CLUSTER 2 STRATEGY</b>	Develop effective, efficient, and resilient health system including strengthening capability, capacity, and advocacy to prepare, detect, prevent, respond, and mitigate all hazards including communicable diseases, neglected tropical diseases, emerging and re-emerging infectious diseases, and; strengthening laboratory capacity; addressing issues on anti-microbial resistance; tackling issues on environmental health and health impact assessment; and disaster health management.
<b>A.4.1</b>	<b>HEALTH CLUSTER 2 PRIORITY STRATEGIES</b>	<ol style="list-style-type: none"> <li>1. Ensure a high level of capability, collaboration, and capacity to detect, investigate, contain and manage communicable diseases including outbreaks of emerging and re-emerging infectious diseases, neglected tropical diseases, and strengthening laboratory capacity as</li> </ol>

		<p>well as preparedness for pandemics and other public health emergencies including disasters in line with Sustainable Development Goals (SDGs);</p> <ol style="list-style-type: none"> <li>2. Advocacy to slow down the occurrence and spread of Antimicrobial Resistance (AMR) by improving infection prevention and control, strengthening regulation and optimizing use of antimicrobial, increasing awareness, and developing and strengthening surveillance system for AMR and rational antimicrobial use; and</li> <li>3. Strengthen capacity to manage ASEAN priorities on environmental health risks and issues, and health impact assessment (HIA)</li> </ol>	
<b>A.5</b>	<b>HEALTH CLUSTER 2 KEY PERFORMANCE INDICATORS</b>	<b>(OUTCOME INDICATORS)</b>	<b>(TARGETS)</b>
<b>A.5.1</b>	<p><b>PRIORITY 8: Prevention and control of communicable diseases, emerging infectious diseases and neglected tropical diseases</b></p> <p>[The ASEAN Health Cooperation will focus on the following diseases:]</p> <ol style="list-style-type: none"> <li>a. Dengue</li> <li>b. Rabies</li> <li>c. HIV and AIDS</li> <li>d. Health security e.g. EOC</li> <li>e. NTD (Lymphatic Filariasis)</li> <li>f. Tuberculosis</li> </ol>	<ol style="list-style-type: none"> <li>1. Reduce/eliminate/ identified major diseases including EID and NTD in the region:             <ol style="list-style-type: none"> <li>a. Dengue: reduce dengue morbidity median by at least 25% for the period of 2016 – 2020 compared to the median of the past 5 years (2011-2015)</li> <li>b. Rabies: Elimination of rabies by 2020</li> <li>c. HIV/AIDS: Percentage of key populations, who received an HIV test in the past 12 months and know their results.</li> <li>d. IHR 2005: Achieve all national core capacities as per IHR Framework Standard by 2020</li> <li>e. Elimination of Lymphatic Filariasis as a public health problem by 2020</li> <li>f. TB: 20% reduction in tuberculosis incidence rate comparing to baseline in 2013</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>a. 25% reduction for 5 years historical median</li> <li>b. Elimination of rabies</li> <li>c. 90% of key population received HIV test in the past 12 months and know their results</li> <li>d. ASEAN EOC Network functioning by 2020; and All AMS have achieved and strengthened all national core capacities per IHR Framework Standard by 2020</li> <li>e. Lymphatic Filariasis as a public health problem eliminated by 2020</li> <li>f. 10% reduction in tuberculosis incidence rate comparing to baseline in 2013</li> </ol>

<b>A.5.2</b>	<b>PRIORITY 9: Strengthening laboratory capacity</b>	1. Establishment of ASEAN Reference Laboratory Network for priority diseases i.e. emerging/re-emerging diseases, emerging and dangerous pathogens, diseases of PHEIC, and dengue.	1. By 2020, ASEAN Reference Laboratory Network is established.
<b>A.5.3</b>	<b>PRIORITY 10: Combating Antimicrobial Resistance (AMR)</b>	1. By 2020, the ASEAN framework, indicators and monitoring & evaluation system is established	1. By 2020, the ASEAN framework, indicators, and monitoring & evaluation system is established
<b>A.5.4</b>	<b>PRIORITY 11: Environmental health and health impact assessment (HIA)</b>	<p>1. Establishment of ASEAN environmental health network. <i>(Note: in order to strengthen the regional collaboration on environmental health threats and ensure sustainable development in the region. These includes surveillance, early warning, communication, and response systems from health risks or health impacts from regional priority issues e.g. trans-boundary haze, electronic waste, toxic chemicals pollution, safe and affordable drinking water and basic sanitation)</i></p> <p>2. Capacity Building on HIA for relevant sectors <i>(Note: may include academia, business sectors, community, civil society organizations and government sector)</i></p>	<p>1. By 2020, establish ASEAN Environmental Health Network</p> <p>2. By 2020, regional HIA capacity building action plan for relevant sectors is developed</p>
<b>A.5.6</b>	<b>PRIORITY 12: Disaster Health Management</b>	<p>1. Establish Disaster Medicine and Emergency Medical System Network (including capacity building for AMS)</p> <p>2. Strengthen ASEAN collaboration on Disaster Health Management</p>	1. Collaboration mechanism and network on Disaster Health Management established in 2020

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
<b>HEALTH PRIORITY 8: PREVENTION AND CONTROL OF COMMUNICABLE DISEASES, EMERGING INFECTIOUS DISEASES AND NEGLECTED TROPICAL DISEASES</b>				
1. Ensure a high level of capability and capacity to detect, investigate, contain and manage outbreaks of emerging and re-emerging infectious diseases as well as preparedness for pandemics and other public health emergencies in ASEAN (for example, through cooperation, collaboration and networking such as epidemiology, clinical or laboratory networks).	1.1. Continue the observance of ASEAN Dengue Day and ASEAN Dengue Conference as a platform for sharing best practices and experiences among AMS in the prevention and control of Dengue	<p><b>Expected Output (EO) 1:</b> Annual ASEAN Dengue Day celebrations/activities at ASEAN and country levels <b>Indicator 1:</b> Number, kind of ASEAN and country level ADD activities conducted.</p> <p><b>EO 2:</b> Annual Dengue Conference at the ASEAN level <b>Indicator 2:</b> Annual Dengue Conference conducted; and reports disseminated.</p>	ASEAN Member States by rotation (2017 - Cambodia TBC) (2018 - Malaysia) (2019 - Singapore TBC) (2020 - Philippines)	AMS (Cost Sharing)
	1.2. Develop a work plan for the elimination of Lymphatic Filariasis for ASEAN	<p><b>EO:</b> ASEAN Work Plan for the elimination of Lymphatic Filariasis developed <b>Indicator:</b> 1. Drafting of Workplan for the elimination of Lymphatic Filariasis in process 2. Workplan endorsed and disseminated.</p>	Philippines Co-Lead: Cambodia	
	1.3. Conduct experience sharing activities/study visits among AMS in the elimination of Lymphatic Filariasis	<p><b>EO:</b> Experience sharing/study visits on the elimination of Lymphatic Filariasis <b>Indicator:</b> Number of experience sharing/study visits conducted</p>		
	1.4. Follow-up on the participation of ASEAN Member States to the ASEAN-Canada's GPP Project, covering as follows:	<p><b>EO 1:</b> Project proposals submitted to and supported by Canada's GPP for AMS capacity building in the area of a. Laboratory capacity to manage emerging</p>		Canada's GPP

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	<p>a. Strengthening Laboratory Capacity for Emerging and Dangerous Pathogens in the ASEAN Region</p> <p>b. Strengthening Regional Disease Surveillance Networks; The Asian Partnership on Emerging Infectious Disease Research (APIER) and the Mekong Basin Disease Surveillance Network <i>[NOTE: together with ASEAN Plus Three FETN]</i></p> <p>c. Bio Diaspora: Strengthening ASEAN Preparedness and Response to Biological Threats by Enhancing Regional Capacity in Big Data Analytics and Visualization</p>	<p>and dangerous pathogens</p> <p>b. Biosafety and Biosecurity</p> <p>c. Public Health Emergency Operations Centre (EOC)</p> <p>d. Risk Assessment and Risk Communication.</p> <p><b>Indicator:</b> Number and kind/nature of proposals submitted to and supported by Canada’s GPP</p>	<p>1.4.a. Malaysia &amp; Singapore</p> <p>1.4.b. Thailand</p> <p>1.4.c. Philippines</p>	
	<p>1.5. Regional mechanism to support AMS to meet supply shortfall in drugs/vaccines during outbreaks of rarely seen diseases.</p> <p>a. 2017: Determine needs and mechanism through e-consultation with AMS.</p>	<p><b>EO:</b> Regional mechanism supporting drugs/vaccines shortfall during outbreaks of rarely seen diseases endorsed by SOMHD.</p> <p><b>EO a:</b> Consultation with AMS completed</p> <p><b>EO b:</b> The regional mechanism adopted at</p>	<p>Singapore</p>	<p>AMS (Cost Sharing)</p>

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	<p>b. 2018: Present proposed regional mechanism for endorsement at Cluster 2 Meeting.</p> <p>c. 2019-2020: Conduct simulation exercises</p>	<p>the Cluster 2 meeting.</p> <p><b>EO c:</b> Simulation exercises conducted to test mechanisms.</p> <p><b>Indicator:</b> Exercise report adopted</p>		
	<p>1.6. Operationalise the ASEAN Rabies Elimination Strategy (ARES) Plan of Action</p> <p>a. Review ARES Phase 1 based on established M&amp;E system</p> <p>b. Conduct ASEAN Rabies Conference to share good practices using ARES STOP pillars as a back to back meeting of International Conference on Zoonotic Disease Prevention and Control (ZDAP)</p>	<p>EO: ARES Phase 1 reviewed Indicator: ARES Phase 1 Review Report</p> <p>EO: ASEAN Rabies Conference conducted in 2017 EO: Good practices and new approaches in rabies elimination shared Indicator: Conference Report</p>	<p>Viet Nam Co-lead: Indonesia</p>	<p>USAID</p> <p>AMS (Cost Sharing)</p>
	<p>1.7. Continue ASEAN+3 FETN as coordinating platform for multi-country training collaboration. <i>The main activities under ASEAN+3 FETN Network proposed are stated below:</i></p> <p>a. Promote capacity building of field epidemiology in member states through multi-country and multi-sectoral joint training &amp; FETP trainer/trainee exchange</p>	<p><b>EO:</b> Annual Meeting of ASEAN+3 FETN conducted</p> <p><b>EO:</b> One to two FETN trainer/trainee per AMS exchanged every year (if funding available) <b>Indicators:</b> Number of exchanges conducted; No of AMS involved in exchanges.</p>	<p>2016 - Indonesia 2017 - Singapore 2018 - Cambodia (TBC) 2019 - TBD 2020 - TBD</p> <p>Coordinating Country:</p>	<p>AMS (Cost Sharing)</p>

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	<p>c. Enhance regional multi-country and multi-sectoral collaboration in field epidemiology training and researches through joint workshop, or field studies, researches</p> <p>d. Sharing experience and best practices among AMS and relevant ASEAN working groups through joint ASEAN +3 FETN VDO Conference and other publication channels.</p> <p>e. Collaborate with ASEAN Animal Health Sector and other Working Groups, in partnership with other development partners</p>	<p><b>EO:</b> Joint workshops and related activities to enhance collaboration. <b>Indicator:</b> No. of joint activities carried out</p> <p><b>EO:</b> One to four joint FETN VDO Conference conducted every year <b>Indicators:</b> Number of videoconferences conducted; Number and type of experiences and best practices shared.</p> <p><b>EO:</b> Joint Consultative Meeting with other sectors conducted at least once a year <b>Indicator:</b> Number of sectors and partners involved in consultation meeting.</p>	Thailand	
	<p>1.8. Establish ASEAN-EOC Network among ASEAN Member States through the following:</p> <p>a. Identify ASEAN EOC Network Contact Persons from AMS</p> <p>b. Share timely information (within 1-2 weeks) on public health emergencies or public health risks</p>	<p><b>EO:</b> ASEAN EOC Network established in 2016-2017 <b>Indicator:</b> Network endorsed by SOMHD and AHMM</p> <p><b>EO:</b> List of ASEAN EOC Network Contact Points <b>Indicator:</b> Number of AMS designated ASEAN OEC Network Contact Points</p> <p><b>EO:</b> Information on PHE and PH risks shared in a timely manner <b>Indicator:</b> Number and type of information</p>	<p>Malaysia</p> <p>Malaysia</p> <p>Malaysia (2016-2017) Future</p>	<p>AMS</p> <p>AMS</p> <p>AMS</p>

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	<p>through ASEAN-EOC Network based on the current event. <i>This will be coordinated by Lead Country.</i></p> <p>c. Exchange of information (quarterly), sharing best practices and experiences related to emerging and re-emerging infectious diseases as well as preparedness for pandemics and other public health emergencies among ASEAN Member States.</p> <p>d. Conduct training or workshop related to Public Health EOC/event/pandemic or/and regional simulation exercise (e-simulation or table top exercise or field simulation exercise etc.)</p> <p>e. Facilitate compilation and documentation of good practices related to preparedness and response to emerging and re-emerging infectious diseases, pandemics and other public health emergencies including border control among AMS. (E.g. On policy/protocols/SOPs)</p>	<p>shared to Network</p> <p><b>EO:</b> Information exchange and sharing conducted at least quarterly <b>Indicator:</b> Number and type of information shared</p> <p><b>EO:</b> Training or/and simulation exercise conducted annually <b>Indicators:</b> Number and type of capacity building activity conducted; Number of AMS participated</p> <p><b>EO:</b> Good practices published in ASEAN website or ASEAN e-Health Bulletin once a year <b>Indicator:</b> Number and type of good practices published.</p>	<p>leadership will be determined at the start of the EOC Network</p> <p>Malaysia (2016-2017) Rotation: Among AMS annually (2018 -2020)</p> <p>Malaysia: 2017 Rotation: Among AMS annually (2018 -2020)</p> <p>Malaysia (2016-2017) Rotation: Among AMS annually</p>	<p>AMS</p> <p>Canada's GPP GHSA</p> <p>ASEC</p>
	1.9. Regional TB prevention and control activities			



Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	<p>a. Development of ASEAN World TB Day (WTD) and ASEAN TB Conference as a platform for sharing best practices and experiences among AMS in the prevention and control of TB and Multiple Drug Resistance TB (MDR-TB)</p> <p>b. Development of World TB Day Message</p> <p>c. To strengthen IHR on TB programme through referral system among National Tuberculosis Program (NTP) focal point of AMS through; c.1. Agreed referral guideline</p>	<p>EO: ASEAN WTD celebration every two years EO: TB Conference at the ASEAN level every 2 years</p> <p>EO: Message published in ASEAN e-Health Bulletin</p> <p>EO: Guidelines on referral of TB cases among AMS Indicator: Agreed ASEAN IHR on TB guidelines</p>	<p>Chair of Health Cluster 2 on rotation</p> <p>Malaysia</p>	<p>Stop TB Partnership</p>
	<p>1.10. Ending AIDS in ASEAN</p> <p>a. Response in Ending AIDS through high-level advocacy (development of a Declaration and follow up).</p> <p>b. Review AWP-IV and develop of AWP-V as part of Cluster 2 Work Programme</p> <p>c. Implement ASEAN Cities Getting To Zero Phase III</p>	<p><b>EO:</b> Declaration endorsed by ASEAN Summit <b>Indicator:</b> Declaration on Ending AIDS endorsed, being followed up.</p> <p><b>EO:</b> AWP IV reviewed and AWP-V endorsed by SOMHD <b>Indicator:</b> AWP-V developed and endorsed</p> <p><b>EO:</b> ACGTZ 3.0 implemented <b>Indicator:</b> Number of cities implementing ACGTZ 3.0</p>	<p>Lao PDR</p> <p>Thailand</p> <p>Indonesia</p>	<p>UNAIDS</p> <p>UNAIDS / Thailand</p> <p>UNAIDS/AMS</p>

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	d. Advocacy in Preventing HIV among people who inject drugs (PWID).	<b>EOs:</b> Advocacy brief developed; Advocacy workshop conducted <b>Indicators:</b> # of advocacy briefs developed for stakeholders; AMS participating in workshop	Malaysia	UNAIDS / UNODC / International Alliance UNAIDS
	e. Produce/publish the 3rd ASEAN HIV and AIDS Regional Report	<b>EO:</b> Regional report published <b>Indicator:</b> Number of copies published and distributed to stakeholders and related agencies	Philippines Co-Lead: Malaysia	ASEC
	f. Continue to prepare articles for ASEAN E- Health Bulletin	<b>EO:</b> HIV and AIDS articles published in the ASEAN E- Health Bulletin <b>Indicator:</b> Number of articles published	Philippines	UNAIDS/ UNWOME N/UNICEF WHO/ Thailand
	g. Share lessons learned/study visit on EMTCT	<b>EO:</b> Study visit/workshop conducted <b>Indicator:</b> Number of AMS participating in the study visit/workshop	Thailand	
	h. Publish World AIDS Day (WAD) Message	<b>EO:</b> Message published in ASEAN Website and ASEAN E-Health Bulletin <b>Indicator:</b> ASEAN WAD Message disseminated	Chair of Health Cluster 2	
	i. Conduct training/workshop on HIV co-infections and ARV treatment	<b>EO:</b> HIV Co-infections and ARV treatment training/workshop conducted <b>Indicator:</b> Number of AMS participating in the training/workshop.	Cambodia	China/ WHO/ UNAIDS

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	<p>1.11. Transform ASEAN RCRC to ASEAN Risk Assessment and Risk Communication (RARC) Centre:</p> <p>a. Submit draft/proposed ASEAN RARC transformation paper for endorsement</p> <p>b. Train personnel from AMS MOH and relevant sectors on RARC</p> <p>b. Conduct ASEAN RARC Conference for updates, sharing of best practices and lessons learnt on risk assessment and risk communication.</p> <p>c. Conduct development and applied on research RARC</p> <p>d. Identify AMS contact persons for RARC</p>	<p><b>EO:</b> ASEAN RARC transformation paper submitted and reviewed <b>Indicator:</b> ASEAN RARC paper endorsed by SOMHD and AHMM</p> <p><b>EOs:</b> ASEAN Risk Communication Training Module (2nd Edition) adapted to ASEAN RARC Training Module; An average of 2 participants/AMS trained annually <b>Indicators:</b> ASEAN RARC training module; Number of AMS human resources trained annually.</p> <p><b>EO:</b> Regional RARC Conference conducted at least every three years. <b>Indicators:</b> Conference report; Number of AMS human resources participating.</p> <p><b>EOs:</b> Development and applied research on RARC conducted; Research summaries published via newsletter or online. <b>Indicator:</b></p> <p><b>EO:</b> AMS contact person identified <b>Indicator:</b></p>	<p>Malaysia</p> <p>Malaysia</p> <p>Malaysia</p> <p>Malaysia, 2016 -2017</p> <p>Malaysia, 2016 - 2017</p>	<p>Malaysia ASEC</p> <p>Canada's GPP/ GHSA</p> <p>Canada's GPP</p> <p>AMS (Cost Sharing)</p> <p>AMS (Cost Sharing)</p>
<b>HEALTH PRIORITY 9: STRENGTHENING LABORATORY CAPACITY</b>				

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
1. Enhance regional collaboration in addressing the recent and upcoming outbreak in AMS	1.1. Conduct capacity building activities on Biorisk Management in AMS once a year	<b>EO:</b> Capacity-building activities on bio-risk management conducted. <b>Indicator:</b> Number and kind of activities conducted.	Indonesia	WHO
	1.2. Continue implementation of Laboratory Capacity Strengthening initiatives:  a. Influenza Laboratory Surveillance	<b>EO:</b> Annual meeting/workshop conducted for sharing information among AMS: Information sharing through Cluster 2 Meeting  <b>Indicator:</b> Annual meeting/workshop	Indonesia	WHO
2. Establishment of ASEAN Reference laboratory network for priorities diseases	2.1. Assess laboratory capacity and gaps in the region vis-à-vis Emerging Dangerous Pathogens: a. Share list reference laboratories of AMS  b. Develop Referral System Guidelines among AMS  c. Share testing protocol for emerging diseases  d. Develop regional guidelines on specimen sharing within AMS, including Material Transfer/Data	<b>EO:</b> Compilation of AMS reference laboratories <b>Indicator:</b> Number of AMS shared national list. <b>EO:</b> Referral System Guidelines developed <b>Indicator:</b> Guideline adopted, referred to by AMS <b>EO:</b> Compilation of testing protocols for emerging diseases <b>Indicator:</b> Number of AMS shared testing protocols <b>EO 1:</b> Regional guideline on specimen-sharing developed <b>Indicator:</b> Regional specimen-sharing	Thailand & Indonesia  Thailand & Indonesia  Thailand & Indonesia  Thailand & Indonesia	GHSA  GHSA  GHSA  GHSA

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	Agreement (MTA)	guideline adopted <b>EO 2:</b> Regional MTA developed <b>Indicator:</b> MTA adopted		
	e. Develop regional guidelines on data/information-sharing on EDP	<b>EO:</b> Regional guidelines on EDP data/information-sharing developed <b>Indicator:</b> Guideline on EDP data-information sharing adopted	Thailand & Indonesia	GHSA
	f. Set up a mechanism for technical enhancement (hands on); e.g. on the job training	<b>EO:</b> Mechanism for AMS laboratory technical enhancement on EDP established. <b>Indicator:</b> Mechanism adopted and implemented.	Thailand & Indonesia	GHSA
	g. Determine the need for Bio-Banking services	<b>EO:</b> Report on the needs, gaps, and recommendations on the way forward of BioBanking in ASEAN after the 1 <sup>st</sup> consultation <b>Indicator:</b> BioBanking report adopted and circulated.	Singapore & Philippines	Canada's GPP
	2.2. Develop a mechanism of QA system for EDP at regional level	<b>EO:</b> Mechanism for EQA system for EDP at regional level developed (subject to reference labs capacities) <b>Indicator:</b> Mechanism adopted	Thailand	
<b>HEALTH PRIORITY 10: COMBATING ANTIMICROBIAL RESISTANCE (AMR)</b>				
1. Initiatives to slow down the occurrence and spread of AMR	1.1. Develop Monitoring and Evaluation framework for AMR control in ASEAN	<b>EO1:</b> Monitoring and Evaluation framework established. <b>Indicator:</b> ASEAN Framework endorsed	Thailand & Singapore	US CDC/WHO
	1.2. Share best practices on rationale	<b>EO:</b> Good practices on rational use of	Malaysia	TBC



Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
1. Strengthen environmental health capacity to manage ASEAN's priority environmental health risks and issues, including set up ASEAN environmental health knowledge network ( <i>Risks and issues are for examples: water and sanitation, solid and hazardous waste, toxic chemicals, trans-boundary pollution, climate change</i> )	1.1 Conduct an ASEAN Training Needs Assessment on Environmental Health for AMS	<b>EO:</b> Training needs assessment conducted by end of 2017 <b>Indicator:</b> Needs assessment report submitted/adopted.	Malaysia	UNICEF (Related to WASH, and knowledge management on WASH)
	1.2 Develop mechanism to strengthen capacity among AMS, including conduct of capacity building activities among AMS	<b>EO:</b> EH capacity strengthening mechanism established <b>Indicator:</b> National Environmental health Contact Person of AMS has been identified; and mechanism serves as basis for implementing capacity building activities  <b>EO:</b> Capacity building activities conducted <b>Indicator:</b> Number and kind of capacity building activities	Thailand Co-lead Malaysia	UNICEF
	1.3 Share knowledge and practices among AMS	<b>EO:</b> Knowledge and practices on environmental health management shared. <b>Indicator:</b> Number and kind of knowledge sharing events	Thailand	UNICEF
2. Empowerment and capacity building of HIA application as "Health in All Policy" by integration into ASEAN universities curriculums for business sectors, community, civil	2.1. Joint capacity building for HIA as a key strategic for Health in All policies (HiAP) among AMS in collaboration with relevant partners through joint research, share experiences, advocate for having legislation or policy on HIA, integration into ASEAN Universities curriculums.	<b>EO 1:</b> Joint and collaborative capacity building activities on HIA carried out <b>Indicators:</b> Number and kind of joint/ collaborative activities; Number and kind of partners involved.  <b>EO 2:</b> Capacity-building promote through HIA training center <b>Indicators:</b> # of HIA training courses/	Thailand	

Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
society organizations and government sector		curriculums  <b>EO 3:</b> AMS contact person on HIA <b>Indicators:</b> List of identified AMS contact person  <b>EO4:</b> Sharing knowledge and practices conduct. <b>Indicators:</b> # of and kind of knowledge sharing events on HIA  <b>EO 5:</b> Training center establishment <b>Indicator:</b> Training center established		
<b>HEALTH PRIORITY 12: DISASTER HEALTH MANAGEMENT</b>				
1. Strengthen regional prevention, preparedness and response through capacity building as well as enhancing operation system on disaster/health emergency medicine at national level and disaster medicine in regional level by advocacy on ASEAN collaboration network through strong focal point in each AMS.	1.1. Develop national and community health emergency and disaster risk reduction management through: a. Public Health Emergency Operation Centre (PHEOC)/ Committee b. Public Health awareness and preparedness Through - - Advocacy - Developing Guideline/TOR - Capacity Building - Developing Network	<b>EO:</b> Every AMS has PHEOC/Committee accommodating all hazards by December 2017 (depending on Country mechanism) <b>Indicator:</b> No. of AMS with PHEOC or Committee adopting all hazards approach  <b>EO:</b> Public health awareness and programmes implemented by AMS  <b>Indicators:</b> No. of AMS implementing programmes; Kind of programmes implemented.	Philippines Co-Lead: Malaysia	
	1.2. Develop Declaration/Joint Statement on Disaster Health Management	<b>EO:</b> ASEAN Leaders' Declaration/Joint Statement adopted in late 2017 <b>Indicator:</b> Adopted Declaration/Joint Statement.	Thailand Co-Lead: Philippines	



Health Priorities and Programme Strategies	Project and Activities from 2016 – 2020	Expected Outputs and Output Indicators	Lead Country	Source of Support
	1.3. Implement the ASEAN-ARCH project (2016-2019) with its regional activities, targets, output and indicators.	<p><b>EO:</b> ASEAN-ARCH Project activities implemented, and outputs produced.</p> <p><b>Indicator:</b> Extent of achievement of project objectives and targets as per project review/evaluation.</p>	Thailand Viet Nam Philippines	JICA