



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

MID-YEAR PROGRESS REPORT 2017

SECTION 1 TO 5: TO BE COMPLETED BY UNDP MALAYSIA

Project Title: Third National Communication to the UNFCCC And Biennial Update Reporting Implementing Partner: Ministry of Natural Resources and Environment	Award ID: 00077556 Project ID: 00088260 Project Period (Project Document): Apr 2014 – Dec 2017 Revised Project End Date (If Any):
--	--

2017 AWP Budget: USD 394,095 2017 Expenditure - As of 15 June: USD79,434 2017 Expenditure - As of 15 June (%): 18.38%	Total Project Budget: USD 1,152,000 Total Cumulative Expenditure: USD696,994 Total Cumulative Expenditure (%) 60.50%
--	---

(to be updated by PM)

NSC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Minutes (Attached): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NSC Date: 31 July 2017 NSC Chair & Designation: : Dato' Sri Azizan Ahmad , Secretary-General, Ministry of Natural Resources and Environment
---	--

Risk Log Reviewed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Risk Log Amended: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Last Log Update: Last Log Amendment: 10 May 2014
---	---

HACT Audit: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Report (Attached): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Rating: Low Risk	Project Evaluation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Report (Attached): <input type="checkbox"/> Yes <input type="checkbox"/> No Rating:
--	--



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

SECTION 6 TO 8: TO BE COMPLETED BY IMPLEMENTING PARTNER

6. 2017 OUTPUT TARGETS AND STATUS – AS PER AWP	
Output 1: Strengthening the institutional framework for TNC and BUR including information collection and processing	
<p>Target:</p> <ul style="list-style-type: none"> • Work plan of role of key stakeholders and their inter-linkages established; • Conducted 12 capacity building workshops and training sessions for policy makers (federal, state and local authorities), scientific studies and awareness programme (for public and private sectors); • Interactive web portal on climate change information and communication system ready for launching; • 12 training conducted on application of different climate models for the integration planning into the national development. 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details:</p> <p>The work plan of the role of key stakeholders and their inter-linkages were established through the institutional framework for the Third National Communication and Biennial Update Reporting. This framework with work plans had been established and in operations since the 2nd half of 2014. This is based on 6 Technical Working Groups (TWG) (GHG Inventory chaired by FRIM; Mitigation chaired by NRE, Measurement, Reporting and Verification (MRV) chaired by NRE; Vulnerability and Adaptation chaired by NAHRIM; Research and Systematic Observation chaired by Malaysian Meteorological Department; and Socio-Economic Aspects of Climate Change chaired by SEASSA, EPU).</p> <p>The TWG on GHG Inventory is supported by 5 Sub Working Groups (Energy Sector (lead by UNITEN); Industrial Processes Sector (lead by UNITEN); Land-Use, Land-use Change and Forestry (LULUCF) Sector (lead by FRIM); Agriculture Sector (lead by MARDI); and Waste Sector (lead by DOE)). Similarly the TWG on Mitigation is supported by 5 Sub Working Groups (Energy (lead by KeTTHA); Industrial Processes (lead by SIRIM); LULUCF (lead by FRIM); Agriculture (lead by MARDI) and Waste (lead by JPSPN)). The TWG on Vulnerability and Adaptation is supported by 5 Sub Working Groups (Water and Coastal Resources (lead by DID); Infrastructure (Lead by PWD); Forestry, Biodiversity and Agriculture (lead by JPSM); Energy (lead by KeTTHA); and Public Health (lead by IMR)). The framework, together with the work of consultants has enabled the National Communication and Biennial Update Report Preparation to progress quite smoothly, including the GHG inventory and mitigation actions data collection, estimation and reporting.</p> <p>To ensure long term sustainability and to enhance the implementation capacity of the nation towards climate change mitigation, adaptation and international commitments and negotiations, a National Climate Change Centre has been proposed in the 11th Malaysia Plan. A scoping study on the National Climate Change Centre has been completed under the project in June 2017. The Ministry of Natural Resources and Environment (NCCC) is currently considering ways to obtain national approval to establish the NCCC.</p> <p>Since the inception of the project, a total of 37 workshops have been conducted to build the technical capacity of the TWGs and targeted policy makers and agencies on climate change actions. In addition, the sub-working groups have conducted 43 workshops. Many of these workshops also include participation from NGOs and industry associations. In addition 11 training workshops have been conducted through NAHRIM on the application of climate models for vulnerability and adaptation assessment where the assessment results to be reported in the Third National Communication will serve as a resource for climate change adaptation policy options for integration into national development plans.</p> <p>During the course of the project, the Ministry of Natural Resources and Environment has also developed a web portal on climate change through funding from UNEP. This portal is expected to be in operation by the end of July 2017. The REDD+ Information</p>



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

	System funded through this project would be part of the web portal.
Output 2: Development of the National GHG Inventory	
<p>Target:</p> <ul style="list-style-type: none"> • Updating of GHG emission inventories in operation; • 1 technical report on local emission factors for key economic activities ready; • Database with IT tools for data updating and retrieving, as the basis for GHG inventory system in operation; • Datasheet with sets of indicators for GHG emitting sectors in operation; • Local conversion factors for selected sectors ready for adoption. 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details:</p> <p>Work in the first half of 2017 is centered on completing the GHG Inventory for the Third National Communication and Second Biennial Update. As part of its early action, the Technical Working Group on GHG Inventory held a meeting on 20 December 2016 to review the progress of work and provide further guidance on the GHG Inventory work for 2017. This included agreeing on the deployment of external reviewers for the sectoral GHG Inventory of each sector. The follow up TWG GHG meeting was held on 22 June 2017 and the meeting agreed to the inventory calculation results of the energy, IPPU, waste and agriculture sectors.</p> <p>During the period, the Sub Working Groups and consultants continued their tasks in completing the estimation of the greenhouse gas (GHG) Inventories for 2012, 2013 and 2014, and the conversion of the GHG Inventory time series into the 2006 IPCC Guidelines format. As of mid-June 2017, the energy, IPPU, waste and agriculture sectors have completed their work. The LULUCF sector however is still finalizing their calculations and the work is expected to be completed by the end of July 2017. The delay is due to discrepancies in the forest data for Sarawak.</p> <p>In order to improve on the transparency, accuracy, completeness, consistency and comparability (TACCC) of the GHG inventory reporting, external reviewers were engaged for the GHG inventory quality control process. The external review for the AFOLU sector was carried out by Dr Sekai Ngarize, an IPCC GHG Inventory Task Force AFOLU sector expert acting in her personal capacity from 9 to 14 January 2017. This consisted of 3 days of review on the GHG Inventory Reports for the Agriculture and LULUCF sectors, 2 days of training on the 2006 IPCC software and guidelines for the AFOLU sector and half a day training on uncertainties and key category analysis for the leads of all Sub-Working Groups. Following the review, the LULUCF Sub-Working Group held 2 workshops in Sarawak (26 January 2017 and 9 March 2017) and a workshop in Kota Kinabalu on 23 to 24 February 2017 to resolve discrepancies in data as well as to collect missing data on land-use identified in the review. The Agriculture sector Sub-Working Group held a workshop on 7 February 2017 to further improve the report of the sector's GHG Inventory report.</p> <p>The external review of the Waste sector's GHG inventory report was carried out by Ms Katherine Bronstein and Mr Sabino Del Vento from 27 February to 2 March 2017. Both of the reviewers were arranged by USEPA through their funding. The review consisted of 2 days review on the Sub-Working's GHG Inventory report and 2 days training on the 2006 IPCC guidelines for the waste sector. Following the review, the Waste Sector sub-Working Group held a workshop in April 2017 to complete their corrections to their GHG Inventory report. The USEPA also provided a reviewer (Mr Leandro Buendia) for the Agriculture sector GHG Inventory during that period. A very detailed review of the calculation spread sheets was carried out by Mr Leandro on the Agriculture GHG Inventory report. A two-days training on the ALU software was also conducted. On the fifth day (March 3 2017), Mr Leandro also visited the GHG Inventory experiment site for paddy in Tanjung Karang to provide advice to MARDI on their emission factor measurements for paddy fields.</p> <p>Following agreement by GIZ to provide reviewers through their own funding for the</p>



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

	<p>energy and IPPU sectors GHG Inventory review, the review was held from 24-27 April 2017. This consisted of 2 days review of the GHG Inventory report for those 2 sectors and 2 days training on the 2006 IPCC guidelines for the 2 sectors. The GIZ review team consisted of 4 experts, namely Ms María De Rocio Lichte as the team lead, Ms Jessica Wade-Murphy De Jemminez as the energy sector expert, and Ms Bettina Schappi and Ms Denise Madeleine Militante Andere as the IPPU experts. As part of the preparation for the review, a workshop with data providers for both the sectors was carried out on 28 March 2017 to obtain feedbacks on the calculations from the data providers. Following the review, UNITEN has corrected and improved the GHG Inventory calculations for 2013 and 2014 for the energy and IPPU sector as well as the time series calculations.</p> <p>With the sectoral GHG inventory reports for the energy, IPPU, waste and agriculture sectors completed and the LULUCF calculations being finalized, the National Inventory Report (NIR) and the national GHG Inventory chapter for the Third National Communication is now under preparation and these would be completed by end of July 2017.</p> <p>To enhance the knowledge of the GHG Inventory compilers, 14 of the compilers continue to follow the USAID LEAD Programme online course for the 2006 IPCC Guidelines for National Greenhouse Gas Inventories since July 2016. These consisted of 5 participants from the Energy Sector, 1 participant from the IPPU Sector, 5 participants from the Waste Sector, 2 participants from the Agriculture Sector and 1 participant from the LULUCF Sector. The fees for the online course is borne by the USAID Lead Training Programme.</p>
<p>Output 3: : Biennial Update Reporting (BUR)</p>	
<p>Target:</p> <ul style="list-style-type: none"> • Target: Information on national circumstances and institutional arrangements for national communications; • Status of the GHG 2011 inventory; • Conduct of review of mitigation actions and their effects as well as options including their associated methodologies and assumptions; • Availability of information on the development of NAMA, domestic MRV and national 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details:</p> <p>The Biennial Update Report (BUR) for Malaysia was completed on 29 December 2015 and submitted to the UNFCCC on 3 March 2016 following approval from the Cabinet. The report contains the following 6 chapters,</p> <ul style="list-style-type: none"> ➤ National Circumstances ➤ National GHG Inventory ➤ Mitigation Actions and their Effects ➤ Level of Support ➤ Constraints, Gaps and Needs ➤ Additional Information to address Climate Change <p>The BUR also contained a Technical Annex on National GHG Inventory and a Technical Annex on REDD+ Results based Payment. The development of the Technical Annex on REDD+ Results based Payment is made possible following the successful review from February to September 2015 and acceptance by the UNFCCC reviewers in November 2015 on the Reference Level Report submitted by Malaysia to UNFCCC on 9 September 2014.</p> <p>Both the technical analysis and facilitative exchange of views (FSV) phases of the international consultation and analysis (ICA) phase of the BUR had been completed successfully in the first half of 2017. The technical analysis of the BUR was carried out in June 2016 with 8 members of the UNFCCC team of technical experts (TTE) (6 of</p>



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

<p>registry system;</p> <ul style="list-style-type: none"> • Availability of information on identification of gaps, and related financial, technical and capacity needs related to mitigation issues and description of support needed and received; • Availability of information related to support received in preparation of BUR and TNC 	<p>them for the BUR report and 2 LULUCF experts for the REDD+ Results-based Payment Technical Annex). The TTE's finalized summary report for the technical analysis of the BUR was accepted by NRE on behalf of Malaysia on 17 February 2017. In the final technical analysis summary report, the TTE concluded that Malaysia has provided transparent information on its National Circumstances, GHG Inventory and Mitigation Actions in its first BUR.</p> <p>A similar technical analysis process was carried out for the Technical Annex on 'Seeking to Obtain and Receive Payments for REDD+ Results-Based Actions (Decision 14/CP.19) which centered on sustainable forest management. Four rounds of clarification and a video conferencing session was held with the 2 LULUCF experts. A separate REDD+ ICA Committee helped to prepare the answers to the clarification questions raised. The draft summary technical analysis report was received on 17 August 2016 and the comments were provided to the LULUCF experts on 12 October 2016 after endorsement by the REDD+ ICA Committee and NRE's top management. The LULUCF experts provided an updated draft technical analysis report on 16 April 2017 where the 2 LULUCF experts concluded that the data and information provided in the technical annex to be consistent and complete, but only partly transparent and partly accurate. Malaysia is not satisfied with this analysis and is submitting a rebuttal on the 'partly accurate' and 'partly transparent' conclusion.</p> <p>To ensure that Malaysia is able to submit its Second Biennial Update Report (BUR2) according to the March 2018 schedule (although this is not part of the project terms of reference), work on the BUR2 has started together with the Third National Communication to enable BUR2 to draw information as a summary of the Third National Communication. This includes development of the GHG Inventory for 2014; updating the mitigation actions estimation for 2014 and 2015; projection estimates for the mitigation actions for 2020, 2025 and 2030; and inclusion of level of support, constraints and gaps, and needs in the Third National Communication report.</p>
--	---

Output 4: Adaptation Impacts and Actions

<p>Target:</p> <ul style="list-style-type: none"> • Climate models for various economic sectors adopted and in operation; • Technical reports with socio-economic baseline and updated scenarios are now available; • Specific studies on climate change vulnerability and impact scenarios developed for key critical sectors are now available; • Technical reports 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details: <input checked="" type="checkbox"/></p> <p>To enable continued building of a national center to anchor sustainable and coordinated national vulnerability and adaptation assessment, NAHRIM was appointed on 16 June 2015 as the consultant for the Vulnerability and Adaptation (V&A) Assessment. The assessment work is conducted under the guidance of the Technical Working Group on Vulnerability and Adaptation with the assistance of its five Sub-Working Groups on Water and Coastal Resources; Agriculture, Forestry and Biodiversity, Infrastructure; Energy and Health sectors. The outputs expected from the contract consists of:</p> <ol style="list-style-type: none"> The Vulnerability and Adaptation Assessment Chapter for Third National Communication; Base reports of the five Sub-Working Groups on V&A Assessment for each of the sector the Sub-Working Group is anchoring, namely Water and Coastal Resources; Agriculture, Forestry and Biodiversity, Infrastructure; Energy and Health sectors; A consolidated Report on the V&A Adaptation Assessment and National Action Plan for Adaptation in Malaysia. The National Adaptation Plan is expected to also contain gaps, constraints and needs for adaptation for
---	--



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

<p>including proposals of potential adaptation actions in the sectors mentioned are now available;</p> <ul style="list-style-type: none">• Existence of policy options and recommendation (including possible regulatory measures);• Necessary adaptation technologies to be adopted has been identified.	<p>(iv) the country. The needs identification shall include adaptation technology and technology transfer needs from developed countries.</p> <p>A total of 12 training workshops with a final report on the applications of different climate models for the integration planning into national development.</p> <p>The reports are expected to contain the updates on the climate projections, socio-economic baselines of the sectors assessed, the vulnerability assessment, and adaptation measures and policy options and technology requirements.</p> <p>The climate modelling projection until 2100 required for the V&A assessment has been completed by NAHRIM. The climate change downscaling is based on IPCC SRES AR4 (A1B, A2, A1F1 and B1) data with the downscaling being done through NAHRIM's RegHCM (Regional Hydroclimate Model) to 6 km resolution for Peninsular Malaysia and 9 km resolution for Sabah and Sarawak.</p> <p>To enable completion of the sub-sector's reports and the consolidation of the sub-sectors report into a final draft vulnerability and adaptation report, a series of meetings with the sub-groups were held in January and February 2017 at NAHRIM to resolve the data issues. The Agriculture, Biodiversity and Forestry Sub-Working group held a workshop on 16-18 January 2017 to expedite their assessment. During the workshop, a draft report for the agriculture sector was completed and a detailed outline for the biodiversity and forestry sector was formulated.</p> <p>A stakeholders consultation workshop on the Vulnerability and Adaptation Assessment Report on 14-15 February 2017. During the workshop, it was found that the sub-sectors reports did not contain adequate assessments for Sabah and Sarawak. In addition the vulnerability and adaptation chapter was not written in simple communication language. In view of these deficiencies, it was decided that the draft final reports has not met the required standard. Following consultation with the Project Director, the contract period for NAHRIM was extended to 31 July 2017 to enable NAHRIM and the Sub Working Groups to produce a more complete vulnerability and adaptation assessment report and chapter.</p> <p>On 8 May 2017, NAHRIM and the Sub Working Groups have completed and submitted the draft final reports consisting of (i) the Vulnerability and Adaptation Assessment Chapter for Third National Communication, (ii) Base reports of the five Sub-Working Groups on V&A Assessment and (iii) a consolidated Report on the V&A Adaptation Assessment including proposals for action plans on adaptation in Malaysia. Apart from the climate projection modeling results, the report also contained the sea level rise projections, flood projections of 15 major river basins for 2030 and 2050 and the vulnerability assessment of the water and coastal resources, infrastructure, agriculture, forestry and biodiversity, energy and health sectors to climate change. Write shops for each of the five sub sectors are planned for 5-7 July and 12-13 July 2017 to further improve the drafting of the reports, in particular on adaptation recommendations, policy options and technology needs recommendations.</p> <p>For capacity building, NAHRIM has also conducted eleven of the twelve applications of climate change modeling workshops, with five of the workshops being conducted this year. These workshops were targeted at the applications of the climate change</p>
--	---



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

	<p>projection results of NAHRIM into the sectoral vulnerability assessment.</p> <p>Preliminary technology needs assessment (TNA) for climate change adaptation in Malaysia has been identified in the "Roadmap of Carbon Intensity Reduction Study" conducted by UNITEN for NRE in 2014. These will be updated in the assessment report.</p>
<p>Output 5: Mitigation Impacts and Actions</p>	
<p>Target:</p> <ul style="list-style-type: none"> • Technical reports including proposals of potential mitigation actions and NAMA in the key sectors available; • Policy options and recommendations (including regulatory protocols) and other necessary measures on mitigation actions available; • Identified necessary technology to be adopted • Existence of national NAMA registry in the context of supporting national mitigation actions 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track Details: <input checked="" type="checkbox"/> X</p> <p>The Mitigation Assessment for the Third National Communication and Second Biennial Report is being carried out by two consultants, with UNITEN carrying out the Emissions Projection till 2050 and Malaysian Green Technology Corporation (MGTC) carrying out the mitigation actions and their effects assessment for 2014, 2015, 2020, 2025 and 2030. MGTC and UNITEN were appointed to carry out this work on 13 May 2016 and 1 June 2016 respectively. Work by both the consultants have progressed slower than expected due to the unavailability of data and estimates to be used for the projections. The work was originally scheduled to be completed by 31 May 2017, however it has been extended to 31 July 2017 in order to enable the consultants to obtain more updated assumptions and the required projected data from the various agencies.</p> <p>For the reporting period, the work was focussed on helping the consultants to further gather the necessary data and information to carry out the GHG emission projection. A number of working sessions were held between the project director, project manager, MGTC and UNITEN in 2016 and first half of 2017 to guide the progress of the modelling projection and mitigation actions assessment work and understand the assumptions used by them in their modelling work. The Technical Working Group on The Mitigation held a meeting on 10 March 2017 to provide further guidance to UNITEN for the GHG Emissions Projections till 2050 using LEAP Modelling, and till 2030 using Markal modelling for the Third National Communication and to MGTC for the Mitigation Actions and their Effects chapter for the 2nd BUR. A follow-up meeting is planned for 18 July 2017 to finalise the draft reports.</p> <p>For the work on Mitigation Actions and the Effects, the work was centred on gathering data for the estimation of the mitigation actions reduction for 2014 and 2015 and projections for 2020, 2025 and 2030. As the NDC Roadmap that is being prepared under the UK Prosperity Fund uses the same information for the projections of emission reduction by each identified programme, focus group discussions were held on 31 March 2017, 3-5 April 2017 and 7 April 2017 with SEDA, Energy Commission, Ministry of Transport, National Automotive Institute, National Solid Waste Management Department and MPOB to synchronise the assumptions, data and information used for the GHG emission projections and mitigation actions GHG emission reduction calculations.</p> <p>For the preparation of implementation of REDD+ in Malaysia, 3 regional workshops and a final workshop with stakeholders have been held by NRE to complete the REDD+ Implementation Strategy consultation. The workshop for Peninsular Malaysia was held</p>



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

	<p>on 22 to 23 March 2017 in Penang, while the workshop for Sabah was held on 20 and 30 March 2017. The workshop for Sarawak was held on 20 and 21 April 2017 and the final workshop was organised on 25 to 26 May 2017 at Langkawi.</p>
<p>Output 6: Reports and Publications</p>	
<p>Target:</p> <ul style="list-style-type: none"> • Final BUR report completed • 1 National launching event, workshops and seminars to disseminate preliminary and final results of the TNC and BUR organized. 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details: <input checked="" type="checkbox"/></p> <p>Five hundred copies of the Biennial Update Report were printed in February 2016 and distributed to Federal Ministries, Federal Departments, State Governments, NGOs and the private sector. Three workshops (29 October 2015, 4 November 2015, 23 December 2015) had been held to disseminate the final results of the Biennial Update Report to the stakeholders including the private sector and NGOs. A soft copy of the Biennial Update Report has also been uploaded to the Ministry of Natural Resources and Environment website.</p> <p>The National GHG Inventory Report and the Third National Communication is scheduled to be published in December 2017 once those reports have been completed finalised and accepted by the National Committee on the Third National Communication and Biennial Update Reporting.</p>
<p>Output 7: Project Management, and Monitoring and Evaluation</p>	
<p>Target:</p> <ul style="list-style-type: none"> • Target: Project Team Recruitment • Inception Report • 2 NSC meetings per year • Periodic Technical Working Group Meetings 	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details: <input checked="" type="checkbox"/></p> <p>The work of the consultants to help in the preparation of the Third National Communication and Second Biennial Update Report has progressed satisfactorily, although behind schedule. These consisted of the following:</p> <ol style="list-style-type: none"> i) UNITEN, FRIM, MARDI and DOE on the GHG Inventory calculations of their respective sectors under the guidance of the Technical Working Group on GHG Inventory and their Sub Working Groups; ii) UNITEN on the Emission Projection until 2050; iii) MGTC on updating the Mitigation Actions and their Effects calculations; iv) NAHRIM on the Vulnerability and Adaptation Assessment; and v) Third World Network on the development of the following 3 chapters: <ol style="list-style-type: none"> (a) Research and Systematic Observation; (b) Capacity Building, Education, Public Awareness, Information and Networking; (c) "Level of Support", "Constraints, Gaps and Needs" chapters of NC3/BUR2; <p>UNITEN, DOE and MARDI have completed their work on the GHG calculations. The work by UNITEN on the Emissions Projections, MGTC on the Mitigation Actions and their Effects calculations, NAHRIM on the V&A Assessment and TWN are now in the final phases of completion.</p> <p>The Technical Working Groups (TWG) held their meetings according to requirements. The TWG on GHG Inventory held their latest meeting on 22 June 2017 to review the progress of the work on GHG inventory for the Third National Communication and</p>



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

	<p>Second Biennial Update Report. The TWG on Mitigation held their meeting on 10 March 2017 to provide further guidance to the consultants for the GHG Emissions Projections till 2050 using LEAP Modelling, and till 2030 using Markal modelling. A follow up meeting is planned for 18 July 2017. The TWG on Vulnerability and Adaptation held a meeting on 7 June 2017 to provide further guidance on the final V&A assessment reports. The TWG on NAMA & MRV held its meeting on 22 June 2017 to review and further refine the MRV arrangements for mitigation actions. The TWG on Research and Systematic Observation is scheduled to hold their final workshop and TWG meeting on 4th July 2017 to endorse the final report and chapter prepared by them with the help of TWN for the Third National Communication.</p> <p>The Project Management Group met on 7 March 2017 to provide guidance on the preparation of NC3 and BUR2. The next meeting is scheduled for 17 July 2017. The first meeting of the year for the National Steering Committee for the Third National Communication and Biennial Reporting is scheduled for 31 July 2017.</p>
--	--

Output Development of the INDC Roadmap under the UK Prosperity Fund

	<p>Status: <input checked="" type="checkbox"/> On Track <input type="checkbox"/> Off Track</p> <p>Details:</p> <p>With the cooperation of UNDP Malaysia, NRE managed to secure funding amounting to £73,686 in July 2016 for the development of the NDC Implementation Roadmap and preparation for the ratification of the Paris Agreement. The period of implementation of the project is from August 2016-May 2017. The project is placed under the TNC/BUR Project for monitoring of its implementation and reports to the TNC/BUR Project Management Group and National Steering Committee for guidance. A kick-off meeting of the project was held on 12 August 2016 and the Inception workshop was held on 26 August 2016. Mr Tan Ching Tiong has been appointed as the consultant to prepare the NDC Roadmap under the project. The Inception Report was submitted by Mr Tan on 1 December 2016. This was followed by the Stocktaking report on 2 February 2017. The draft report for the NDC Roadmap was submitted on 10 March 2017. In a follow up meeting, it was found that a number of the emission reduction estimates in the report was not accurate. As a result a series of focus group discussions were held from 31 March to 7 April 2017 to correct the assumptions and data used for the estimation. An updated final draft of the roadmap will be submitted by the consultant in July 2017.</p> <p>The project also funded a stakeholders awareness workshop by MITI with the Industries on 6 April 2017.</p>
--	--

7. ISSUES AND CHALLENGES

<p>Description:</p> <p>The project continues to face some challenges in the implementation. The biggest challenge is inadequate capacity and knowledge of the members of the Technical Working Groups and Sub Working Group members to carry out their tasks. Many of the members were also not able to dedicate sufficient time to the project work due to commitments to their existing duties.</p>



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

The appointment of consultants also faced challenges as there are very limited numbers of potential consultants in the area of climate change who can perform such tasks satisfactorily.

For the GHG inventory, the availability and accuracy of national data for a complete compilation remains a challenge, especially for the Industrial Processes and LULUCF sector.

For mitigation, practically all the mitigation actions in Malaysia arise as co-benefits from other programmes carried out. Formal institutional framework and data for accounting of mitigation actions is still in its development stage.

Gaps in terms of baseline data for vulnerability and adaptation assessments also continue to exist. Capacity building through workshops conducted by the Project and through NAHRIM for vulnerability and adaptation assessment is helping to narrow those gaps.

Action Taken by implementing Partner:

Continued capacity building of the members of the Technical Working Group and Sub Working Group members is necessary. For the GHG inventory, efforts are being taken to provide trainings to the GHG inventory compilers through organizing training workshops, sending them to participate in regional training and through engagement of external reviewers. The series of Workshops with Data Providers for the Preparation of the National Greenhouse Gas Inventory for Energy and Industrial Processes Sectors has enabled better understanding by private sector data providers on data requirements for GHG inventory calculations. The inventory compilers also now have a better appreciation of the sensitivity of those types of data sets. Discussions are continually being held with the private sector, for example Petronas, the iron and steel industry and the cement industry, on the data requirements for higher tier calculations. For the LULUCF sector, regional workshops had been held by the SWG to resolve the issue of actual area under forest cover, deforestation rates, area of oil palm plantations under peat land and differences between national datasets and those published by international organisations, especially FAO and ITTO. For continuity, the national historical database for the GHG Inventory from 1990 onward has been developed and archived. The USEPA template has been used for documentation of the GHG inventory. For mitigation and adaptation, workshops are conducted to coordinate the institutional building and knowledge sharing. With the listing of 12 mitigation actions reported under the BUR, an institutional framework for these mitigation actions is being formulated. A more coordinated institutional arrangement is being developed in the coming years as key stakeholder agencies become more engaged in the process. The 11th Malaysia Plan also offers many opportunities in the coming years to enhance the mitigation efforts of the country, in particular the development of a National Climate Center to coordinate and provide in-depth technical and policy analysis of climate change issues in the country.

Additional Support Requested from UNDP/ EPU:

A number of projects which have implications on mitigation actions quantification are being implemented under UNDP supervision. To enable greater synergy between projects, a regular meeting of all the project managers conducted through UNDP will help facilitate information gathering for reporting in the TNC and BUR.

ii. The project would also like to recommend that the appointment of the project manager for the second BUR be expedited. This is to ensure the second BUR is submitted in time together with the Third National Communication.

8. LINKAGE TO THE 11TH MALAYSIA PLAN: 2016

a. The project outputs will contribute to the following 11th Malaysia Plan Strategic Thrusts.

STRATEGIC THRUSTS (Mandatory)



COUNTRY PROGRAMME ACTION PLAN 2016-2020



Empowered lives.
Resilient nations.

	Enhancing inclusiveness towards an equitable society
	Improving wellbeing for all
	Accelerating human capital development for an advanced nation
X	Pursuing green growth for sustainability and resilience
	Strengthening infrastructure to support economic expansion
	Re-engineering economic growth for greater prosperity
GAME CHANGERS (If Applicable)	
	Unlocking the potential of productivity
	Uplifting B40 households towards a middle-class society
	Enabling industry-led Technical and Vocational Education and Training (TVET)
X	Embarking on green growth
	Translating innovation to wealth
	Investing in competitive cities

b. The project outputs will contribute to the following 11th Malaysia Plan Key Focus Area (Bidang Fokus Utama)?
(please state the specific focus area)

The project output contributes to Climate Resilient Development. The constraint, gaps and needs for enhancing climate change implementation have been identified in the Biennial Update Report and this would be a source of information to help decision makers prioritise implementation.

Mid Year Progress Report 2017 approved by:

Name: **JAYA SINGAM RAJOO**
 Designation: Under Secretary
 Date: Environmental Management
 & Climate Change Division
 Ministry of Natural Resources and Environment

29 June 2017

1000

1000