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MESYUARAT KEEMPATBELAS KERJA JAWATANKUASA BERSAMA MALAYSIA - SINGAPURA MENGENAI ALAM SEKITAR (MSJCE WG) THE 14th MALAYSIA - SINGAPORE JOINT COMMITTEE ON THE ENVIRONMENT WORKING GROUP MEETING (MSJCE WG)

Malaysia - Singapura

Mesyuarat Keempat Belas Kumpulan Kerja Jawatankuasa Bersama Malaysia - Singapura mengenai Alam Sekitar (WG of MSJCE) telah diadakan pada 19-20 Mei 2016 di Malaysia. Mesyuarat telah dipengerusikan bersama oleh Encik Ronnie Tay, Ketua Pegawai Eksekutif, National Environment Agency, Singapura dan YBhg. Dato' Dr. Ahmad Kamarulnajib bin Che Ibrahim, Ketua Pengarah Alam Sekitar, Malaysia.

Mesyuarat ini dihadiri oleh 43 orang ahli delegasi dari pelbagai agensi dari Malaysia seperti Pusat Hidrografi Nasional, Universiti Kebangsaan Malaysia, Unit Perancang Ekonomi (Johor), Jabatan Laut, Johor Port Authority dan wakil dari Kementerian Sumber Asli dan Alam Sekitar. Pihak Singapura pula diwakili oleh 30 delegasi dari pelbagai agensi seperti Lembaga Pembekalan Awam, Kementerian Pembangunan Negara, Kementerian Hal Ehwal Luar Negeri, Lembaga Perumahan dan Pembangunan, Maritime and Port Authority, Kementerian Alam Sekitar dan Sumber Air dan Suruhanjaya Tinggi Republik Singapura.

Mesyuarat ini memainkan peranan penting untuk kedua-dua negara bertukar-tukar maklumat dan pengalaman dalam menangani isu-isu alam sekitar yang mempunyai kepentingan bersama

Malaysia-Singapore

The 14th Malaysia - Singapore Joint Committee on the Environment (MSJCE) Working Group Meeting (WG of MSJCE) was held in Kuala Lumpur on 19-20 May 2016. The Meeting was co-chaired by Mr. Ronnie Tay, Chief Executive Officer, National Environment Agency, Singapore and Dato' Dr. Ahmad Kamarulnajib bin Che Ibrahim, Director-General of Environment, Malaysia.

This meeting was attended by 43 delegates from various agencies from Malaysia namely Centre of National Hydrography, University Kebangsaan Malaysia, Economic Planning Unit (Johor), Marine Department, Johor Port Authority and a representative from Ministry Natural Resources and Environment. Meanwhile, Singapore was represented by 30 delegates from different agencies namely Public Utilities Board, Ministry of National Development, Ministry of Foreign Affairs, Housing and Development Board, Maritime and Port Authority, Ministry of the Environment and Water Resources as well as the High Commission of the Republic of Singapore.

This meeting marked an important role for both countries to exchange information and experiences in tackling environmental issues of mutual interest.



Mesyuarat Keempat Belas Kumpulan Kerja Jawatankuasa Bersama Malaysia-Singapura Mengenai Alam Sekitar (MSJCE WG) Pada 19-20 Mei 2016 Di Kuala Lumpur
The 14th Malaysia-Singapore Joint Committee On The Environment Working Group Meeting (MSJCE WG) On 19-20 May 2016 In Kuala Lumpur

LAWATAN TEKNIKAL PENGURUSAN HOUSEHOLD E-WASTE KE TAIWAN

TECHNICAL STUDY TOUR TO TAIWAN ON HOUSEHOLD E-WASTE MANAGEMENT

Malaysia sedang menggubal satu peraturan khusus bagi menguruskan buangan elektrik dan elektronik dari isi rumah (*household e-waste*) yang meliputi barangan bersaiz besar dan kecil. Maka adalah menjadi keperluan bagi Jabatan Alam Sekitar (JAS) untuk mempelajari dan memahami sistem pengurusan *Household E-waste* yang digunapakai oleh negara-negara lain untuk memastikan sistem yang praktikal dan efisien dibangunkan bersesuaian dengan keperluan di Malaysia. Sehubungan dengan itu, satu lawatan teknikal ke Taiwan telah diadakan pada 14-19 November 2016. Lawatan teknikal tersebut telah disertai oleh 7 orang pegawai JAS.

Taiwan telah dipilih sebagai negara sasaran kerana saiz populasi Taiwan iaitu seramai 23.2 juta penduduk hampir sama dengan saiz pasaran di Malaysia. Selain itu, Taiwan mempunyai ciri-ciri rangka kerja dan mekanisme pengurusan *household E-waste* yang sama dengan Malaysia seperti:

- Menguatkuasakan E-waste bersaiz besar (*white goods*) yang dijana dari isi rumah
- Melaksanakan kutipan fi kitar semula (*Recycling Fee*) berdasarkan konsep *Extended Producers Responsibility* (EPR).
- Kutipan *household E-waste* dari pelbagai saluran kutipan dan memberi subsidi bagi aktiviti pengumpulan menggunakan fi kitar semula
- Menguruskan fi yang terkumpul dengan penubuhan *Fund Management Board* (FMB).

Sepanjang lawatan teknikal, melalui dialog rasmi kerajaan (JAS dan EPAT), lawatan tapak dan sesi perbincangan, pegawai-pegawai JAS dapat mempelajari tentang struktur pengurusan Program Kitar Semula “4 dalam 1” di Taiwan yang boleh digunakan sebagai model rujukan bagi pembangunan sistem pengurusan *household E-waste* di Malaysia.

Melalui perkongsian pengalaman oleh Taiwan, Malaysia telah memperoleh pengetahuan tentang *lessons learnt*, halangan dan cabaran yang dihadapi dalam menguruskan *household E-waste* di Taiwan.

Berdasarkan apa yang telah dipelajari dari lawatan teknikal tersebut, JAS akan meneruskan usaha-usaha untuk mengemaskini draf peraturan-peraturan dan

Malaysia is drafting a special regulation for the household e-waste management which includes large and small items. Therefore it is essential for the Department of Environment (DOE) to understand and learn from similar system implemented in other countries, in order to ensure an effective and practical system to be developed, which applicable to the Malaysian local conditions and requirements. In conjunction with that, a technical study tour to Taiwan was conducted on 14-19 November 2016. The study tour was participated by 7 officers from the DOE.

Taiwan was chosen to be the study tour target country because with the population of 23.2 million, Taiwan is similar in terms of market size. Besides, Taiwan has the following features that are similar in Malaysia in terms of the household E-waste management frameworks or mechanisms such as:

- Regulating bulky household E-waste that was generated from the households.
- Collecting recycling fee based on Extended Producers Responsibility (EPR) concept.
- Collecting household E-waste from multi collection channels and subsidizing the collection activities by the fee collected
- Managing the collected fees by establishment of a Fund Management Board (FMB)

During the technical study visit, through official G-G (DOE and EPAT) dialogue, technical site visit and discussions, DOE officers learned on the management structure of the Taiwan “4-in-1” Recycling Programme that can be used as a reference model for development of household E-waste management system in Malaysia.

Through the sharing of experiences by Taiwan, Malaysia has gained knowledge on lessons learnt, precaution measures to be taken and current difficulties and challenges faced on managing household e-waste in Taiwan.

With the lessons learnt from the study tour, the DOE will continue the efforts to improve the draft regulations and overall strategies used for future household e-waste

strategi keseluruhan yang akan digunakan di dalam sistem pengurusan *household E-waste* yang telah dirancang di Malaysia pada masa akan datang dengan mengambilkira sistem pengurusan E-waste di Taiwan dan juga good practices yang diamalkan di seluruh dunia.

management system planned in Malaysia, with taken into considerations the Taiwan system as well as other good practices learnt around the world.



Dialog rasmi di antara Jabatan Alam Sekitar Malaysia dan Environmental Protection Administration Taiwan
Official dialogue between the Department of Environment Malaysia and Environmental Protection Administration Taiwan



Lawatan ke fasiliti pengumpulan dan pemerolehan kembali bahan di Taoyuan City Local Government
Visit to a materials recovery/ collection facility of Taoyuan City Local Government



Lawatan ke fasiliti E&E Recycling
Visit to E&E Recycling Facility in Taoyuan



Sesi dialog bersama Green Peace Taiwan
Dialogue Session with Green Peace Taiwan

THE 6th INTERNATIONAL E-WASTE MANAGEMENT NETWORK (IEMN) 2016

Malaysia telah menjadi tuan rumah bagi penganjuran The 6th International *E-Waste Management Network Workshop* (IEMN) dengan kerjasama *United States Environmental Protection Agency* (USEPA) dan *Environmental Protection Administration Taiwan* (EPAT) pada 4-7 Oktober 2016 di Hotel Intercontinental, Kuala Lumpur. IEMN telah dimulakan pada tahun 2011 oleh USEPA dan EPAT dan merupakan program kerjasama di peringkat global yang memberikan fokus utama terhadap pengurusan alam sekitar khususnya sistem pengurusan buangan elektrik dan elektronik secara mesra alam (*environmentally sound e-waste*). IEMN juga merupakan salah satu daripada program kerjasama *International Environmental Partnership* (IEP) di rantau Asia Pasifik yang terdiri daripada pegawai-pegawai kerajaan yang bertindak sebagai wakil negara, kumpulan pakar sektor industri, ahli akademik, pertubuhan bukan kerajaan dan lain-lain agensi.

Seramai 50 delegasi terdiri daripada pegawai-pegawai kerajaan dan pakar telah menyertai bengkel tersebut termasuk negara ahli seperti Argentina, Mexico, Peru, Thailand, Trinidad dan Tobago, Chile, Tuvalu, Filipina, Cambodia, Indonesia, Amerika Syarikat dan Taiwan. Bengkel sepanjang 4 hari tersebut padat dengan perbincangan berkaitan pengurusan e-waste, *overcoming issues*, langkah penyelesaian masalah dan penambahbaikan oleh negara-negara yang terlibat. Peserta bengkel berpeluang mempelajari kaedah *dismantling E-waste* yang betul dengan tunjuk ajar oleh pakar Elisabeth Herbeck (DRZ) dan Luc Boutet (Umicore). Di samping itu, peserta juga didedahkan dengan aktiviti pemerolehan kembali E-waste yang dijalankan di premis Meriahtek (M) Sdn Bhd, Melaka.

THE 6th INTERNATIONAL E-WASTE MANAGEMENT NETWORK (IEMN)

Malaysia hosted The 6th International *E-Waste Management Network* (IEMN) co-organised with the *United States Environmental Protection Agency* (USEPA) and *Environmental Protection Administration Taiwan* (EPAT) on 4-7 October 2016 at Intercontinental Hotel, Kuala Lumpur. IEMN was initiated in 2011 by USEPA and EPAT, and was a joint program at the global level that focusing on environmental management, particularly the management system of electrical and electronic waste in an environmentally sound manner. IEMN is one of the *International Environmental Partnership* (IEP) in Asia Pacific consists of government officers as a country representative, industrial sector experts, academicians, non-governmental organization and other agencies.

A total of 50 delegations consisting of government officials and experts participated in the workshop including member countries such as Argentina, Mexico, Peru, Thailand, Trinidad and Tobago, Chile, Ukraine, the Philippines, Cambodia, Indonesia, the United States and Taiwan. The four day-workshop was packed with discussions on e-waste management, overcoming issues, problem solving and improvement measures by the countries involved. The workshop participants had the opportunity to learn the correct methods to dismantle the household E-waste items guided by Ms Elisabeth Herbeck (DRZ) and Mr Luc Boutet (Umicore). In addition, participants were also exposed to the activities of E-waste recovery carried out at the premises of Meriahtek (M) Sdn Bhd, Melaka.



Majlis perasmian IEMN 2016 oleh Timbalan Ketua Setiausaha (Pengurusan Alam Sekitar), Kementerian Sumber Asli dan Alam Sekitar

The launching of IEMN 2016 by Deputy Secretary General (Environmental Management) MNRE Malaysia



Demonstrasi dan panduan dismantling E-waste oleh pakar
Demonstration of E-waste dismantling and guidance by the expert



Demonstrasi pembaikpulihan E-waste bagi tujuan guna semula
Demonstration of E-waste repair for reuse



Lawatan ke Meriahtek (M) Sdn Bhd, Melaka – kemudahan pemerolehan kembali penuh E-waste yang
 dilesenkan oleh Jabatan Alam Sekitar
*Visit to Meriahtek (M) Sdn Bhd, Malacca - an E-waste Full Recovery Facility licensed by the
 Department of Environment*

HUBUNGAN SERANTAU MARIN

COORDINATING BODY ON THE SEAS OF EAST ASIA (COBSEA)

Coordinating Body on the Seas of East Asia (COBSEA) merupakan organisasi kerjasama serantau antara kerajaan bagi negara-negara di laut Asia Timur yang ditubuhkan di bawah United Nations Environment Programme (UNEP). Keahlian COBSEA adalah terdiri daripada 9 buah negara iaitu Cambodia, China, Indonesia, Korea, Malaysia, Philippines, Singapore, Thailand dan Vietnam.

COBSEA berperanan untuk menyelaras pembentukan Pelan Tindakan Perlindungan dan Pembangunan Marin dan Pesisiran Pantai Laut Asia Timur bermula sejak tahun 1981.

Komponen utama pelan ini adalah penilaian ke atas impak dari aktiviti-aktiviti manusia ke atas persekitaran marin, kawalan pencemaran di pesisiran pantai, perlindungan paya bakau, rumpai laut serta batu karang dan juga pengurusan sisa buangan.

Coordinating Body on the Seas of East Asia (COBSEA) is an intergovernmental regional organization for East Asian Seas. COBSEA consists of the nine member countries which are Cambodia, China, Indonesia, Korea, Malaysia, Philippines, Singapore, Thailand and Vietnam.

COBSEA was established to coordinate The Action Plan for the Protection and Development of the Marine Environment and Coastal Areas of the East Asian Seas Region (the East Asian Seas Action Plan) since 1981.

The main components of the plan is to appraisal the effects of human activities on the marine environment, control of coastal pollution, protection of mangroves, sea grasses and coral reefs, and waste management.

ASEAN WORKING GROUP ON COASTAL AND MARINE ENVIRONMENT(AWGCME)

ASEAN Working Group on Coastal and Marine Environment (AWGCME) adalah merupakan kerjasama serantau yang dianggotai oleh sepuluh (10) buah negara ASEAN iaitu Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand dan Vietnam.

Mesyyarat tahunan AWGCME merupakan platform bagi meningkatkan usahasama di kalangan negara-negara ASEAN untuk menggalakkan aktiviti dan pembentukan dasar berkaitan dengan pencegahan dan kawalan pencemaran marin di rantau ini.

Mesyyarat ini turut melibatkan organisasi seperti *ASEAN Centre for Biodiversity (ACB)*, *Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)*, *Coral Triangle Initiative-Coral Reefs, Fisheries and Food Security (CTI-CFF) Regional Interim Secretariat*, dan *Mangrove for Future/International Union for Conservation of Nature (IUCN)*.

Malaysia adalah tuan rumah bagi Mesyyarat AWGCME kali ke-17 telah diadakan pada 10 Mei 2016 di Kuala Lumpur. Bengkel AWGCME juga turut diadakan pada 9 Mei 2016. Majlis telah dirasmikan oleh Timbalan Ketua Setiausaha (Alam Sekitar), Kementerian Sumber Asli dan Alam Sekitar, Dato' Sr. Dr. Azimuddin Bin Bahari

ASEAN Working Group on Coastal and Marine Environment (AWGCME) is a regional cooperation which involves ten (10) ASEAN countries namely Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand dan Vietnam.

AWGCME annual meeting is a platform to enhance collaboration among Asian Member States (AMS) to promote activities and policy development on marine pollution control and prevention.

This meeting was also participated by other organization such as *ASEAN Centre for Biodiversity (ACB)*, *Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)*, *Coral Triangle Initiative-Coral Reefs, Fisheries and Food Security (CTI-CFF) Regional Interim Secretariat* and *Mangrove for Future/International Union for Conservation of Nature (IUCN)*.

The 17th AWGCME Meeting was held on 10th May 2016 in Kuala Lumpur hosted by Malaysia. AWGCME workshop was held on 9 th May 2016. Officially opening ceremony was held by Deputy of Secretary General (Environment), Ministry of Natural Resources and Environment, Dato' Sr. Dr. Azimuddin Bin Bahari

BAY OF BENGAL LARGE MARINE ECOSYSTEM (BOBLME)

Bay of Bengal Large Marine Ecosystem (BOBLME) adalah projek kerjasama serantau yang melibatkan lapan (8) buah negara di persisiran Teluk Bengal iaitu Bangladesh, India, Indonesia, Malaysia, Maldives, Myanmar, Sri Lanka and Thailand. Projek ini dibentuk bertujuan menambahbaik taraf kehidupan penduduk pantai menerusi kerjasama pengurusan perikanan dan alam sekitar di peringkat serantau.

Projek BOBLME ini telah bermula semenjak April 2009 di mana *Food and Agriculture Organization (FAO)* adalah agensi pelaksana (*executing agency*). Jabatan Perikanan Malaysia merupakan agensi penyelaras (*National Coordinator*) bagi peringkat Malaysia. Ketua Pengarah Perikanan sebagai *Project Steering Committee (Fisheries)* dan Ketua Pengarah Alam Sekitar telah dilantik sebagai *Project Steering Committee (Environment)* untuk Malaysia di bawah projek ini.

Tujuan utama projek BOBLME adalah membentuk satu Strategic Action Programme (SAP) bagi rantau ini. SAP tersebut telah dipersetujui dan ditandatangani bagi pihak Malaysia oleh Ketua Setiausaha Kementerian Pertanian dan Industri Asas Tani dan Ketua Setiausaha Kementerian Sumber Asli dan Alam Sekitar pada 28 Ogos 2015.

Mesyuarat BOBLME, *Meeting and Workshop on National Strategic Action Programme (NASP)* telah diadakan pada 22-23 Februari 2016 di Pulau Pinang.

Bay of Bengal Large Marine Ecosystem (BOBLME) is a regional cooperation project comprises of eight countries surrounding the Bay of Bengal which are Bangladesh, India, Indonesia, Malaysia, Maldives, Myanmar, Sri Lanka and Thailand. The aim of Bay of Bengal Large Marine Ecosystem (BOBLME) Project is to improve the lives of the coastal populations through improved regional management of the Bay of Bengal environment and its fisheries.

The BOBLME Project began in April 2009 and Food and Agriculture Organization FAO was the executing agency. Department of Fisheries is the National Coordinator for Malaysia. Director General of Department of Fisheries and Director General of Department of Environment has been appointed as a Project Steering Committee (Fisheries) and Project Steering Committee (Environment) for Malaysia respectively.

The main output of BOBLME Project is to develop regional Strategic Action Programme (SAP). This SAP was agreed and signed by the Secretary General, Ministry of Agriculture and Agro-Based Industry and Ministry of Natural Resources and Environment on 28th August 2015.

BOBLME Meeting in year 2016 is On 22-23rd February 2016, Meeting and Workshop on National Strategic Action Programme (NASP) was held in Pulau Pinang.



ASEAN Working Group on Coastal Marine Environment (AWGCME) ke17, Malaysia
9-12 Mei 2016

