



Capacity building NGO in the Environmental Field to be an Enabler
to Malaysian Professional's Growth

BERITA ENSEARCH

OCTOBER 2015 — MARCH 2016 / 4th & 1st QUARTER

e-Bulletin at <http://ensearch.org/resources/>



BRIEF HISTORY OF ENSEARCH

ENSEARCH was formed in 1984 by a pioneer group of local professionals and academics from multidisciplinary backgrounds.

Its first President (1984-2000) was Ir. K. Kumarasivam and its first

Hon. Secretary General was Dato' Dr. Abu Bakar Jaafar. Today, ENSEARCH has more than 300 members consisting of corporate, individual and life members.

It is acknowledged that enhanced awareness and capacity building of organizations and individuals through education and training is essential to achieve the objectives of Malaysian Environmental Quality Act, 1974.

Therefore ENSEARCH began formulating and implementing training programs to enhance the capacity for environmental management in Malaysia.

In addition, ENSEARCH organizes Tea Talks and Public Lectures to enhance awareness on pertinent and comprehensive issues on the environment.

ENSEARCH has also been actively involved in dialogue sessions with relevant authorities in development of legislative and regulatory frameworks that are supportive of good environmental management practices.

ENVIRONMENTAL MANAGEMENT & RESEARCH
ASSOCIATION OF MALAYSIA (ENSEARCH)
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"Earth provides enough to satisfy every man's needs, but not every man's greed."

- Mahatma Gandhi -



EDITOR'S NOTE

ENSEARCH

is a non-profit association of organizations, professionals, students and people with interest in learning and promoting effective ways to manage the impact of human activities on the environment. We at ENSEARCH believe that everyone is responsible for managing and mitigating the impacts of their corporate, professional and daily living activities on the environment.

ENSEARCH is also involved in indigenous fruit tree species conservation and poverty eradication through its project Cyber Plant Conservation Network
www.cpcnet.atbioversity.net

Dear Members,

We are well into 2016 and we also just celebrated the Lunar New Year of the Monkey. We welcome the many new members who joined us recently, and look forward to many activities planned for all in the coming months.

Our training programme is well and truly underway with at least one training scheduled every month, beginning with the recently concluded session on Advanced GIS for Environmental Management conducted by Dr. Tuong on 22-23 February.

Major events in the pipeline are the Forum on Solid Waste Management in April, ENSEARCH Annual General Meeting in May and the Sustainability and Environmental Management (SEM) 2016 seminar in July.

We would like to take this opportunity to congratulate Dato' Dr. Ahmad Kamarul Najuib on his recent appointment as the Director-General of the Department of Environment, and we look forward to the DOE's continual contribution to the well-being of our country's environment under his stewardship. Our President Ir. Elias Saidin, accompanied by Mr. Gobinathan, Ms. Jenny and Mr. Foo Say Moo paid a courtesy call to Dato' Najuib at his office in February.

We also wish to thank Ms. Benedeth for her services as our Project Officer and wish her well as she leaves ENSEARCH. We welcome her replacement, En. Khairi, and look forward to another productive year with ENSEARCH.

KHOO BOON KEAT
Chairperson,
Website & Publication

OUR VISION

"Malaysians are environmentally aware and are committed to taking personal responsibility to manage and mitigate the impacts of their corporate, professional and daily living activities on the environment"

OUR MISSION

"To promote excellence in environmental management among organizations, professionals and interested persons."



PROFILE OF COUNCIL MEMBER

Ms Jenny Tan Suat Eam

The council highlights for this edition of Berita ENSEARCH is Ms Jenny Tan, who is currently a Managing Director of PE International (Malaysia) Sdn Bhd, Member of Board of the Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP) and also Council Member of ENSEARCH.

She was born on 3 January 1952 in Georgetown, Penang. She was a graduate in B.Sc. Chemistry from Universiti Sains Malaysia back in 1975. She also holds a Diploma in Management from the Malaysian Institute of Management. She has been trained in Environmental Management Systems, Environmental Auditing, Environmental Performance Evaluation, Environmental labels and declarations, and Life Cycle Assessment under the ISO 14000 series, and in Industrial Waste Management, Cleaner Production and Green Productivity.

She has had over 40 years of experience in her professional career in environmental management and sustainability work with the government and private sectors and environmental NGOs, as well as with UN agencies (UNDP, UNEP, World Bank, UNIDO) in various aspects of project management, consultancy and training. During her involvement, she has solidified her skills and experiences in environmental ozone management/phase out of CFCs, air pollution monitoring and control, water pollution monitoring and control, environmental impact assessment, environmentally hazardous substances, solid waste management, scheduled waste management, waste minimisation, resource efficiency, cleaner production/pollution prevention, green productivity, green technologies, environmental management systems, environmental audit, environmental performance, clean development mechanism, Ecolabelling, and sustainable consumption and production.

She is member of the Prime Minister's Hibiscus Award Steering Committee (Environment Performance Award) for Industry & Business, organised jointly by the Environmental Management and Research Association of Malaysia (ENSEARCH), Federation of Malaysian Manufacturers (FMM), Malaysian International Chamber of Commerce & Industry (MICCI) and Business Council for Sustainability & Responsibility Malaysia (BCSRM).

Jenny Tan was first involved with ENSEARCH back in 1984 when she attended the first ENSEARCH meeting with her officer from Analytical Laboratories(M) Sdn Bhd. The founder of ENSEARCH himself, the late Ir K. Kumarasivam has influenced her to be part of ENSEARCH. She sees ENSEARCH as a good organisation with impressive ideals and non-advocacy approach to fill a gap in professional and industrial environmental management for a better environment. Though she admits facing bumpy rides to be a volunteer at a non-profit organisation like ENSEARCH, however, she is keen to meet people with the same goals and objectives.

Every seed grows from a towering tree. With that in mind, Jenny Tan admired her late parents and chose them as her major influence. This mother of four children, during her leisure loves to read, enjoy music and watching comedy shows.

She holds onto a simple, yet deep philosophy; simple in virtue, strong in devotion. She always hopes that more people will engage with ENSEARCH because for her, "Every little bit matters, whether our contribution be in giving our time, effort, expertise or finance to help make our living environment, be it local, regional or global, a better place for us and our children so that we can sustain a balanced lifestyle."



Photos of Ms Jenny (bottom right) and her family members



FEATURE

Environmental Impacts of Bauxite Mining in Kuantan

Dr. Zaki Zainudin

27th February 2016

The bauxite mining activities in Kuantan have garnered notorious reputation in the media. The essentially unregulated activity generated vast amounts of air and water-borne pollution. Roads, buildings, houses, cars and even rivers turned red as a consequence of bauxite mining and transport activities.

One wonders how the matter remained unabated for such an extended period of time. Essentially there was no explicit governing regulation under the EQA, 1974 which directly incurred control of bauxite pollution. The mining areas were too small and sporadic to be subjected to existing legal provisions.

While it is true legal mechanisms are usually required before action can be taken, the circumstances surrounding the bauxite issue was extraordinary. The impacts in this case, were already observable and so widespread.

Airborne particulates turned everything that came into contact red. When it rained, runoff transported sediment from the mines to nearby watercourses. Sg. Balok and Sg. Pengorak were laden with sediment that they turned blood red.

More disturbingly, several water intake points are located downstream of bauxite mining areas. In fact, the Kg. Kobat intake, one of the major intake works in Kuantan is located only a few hundred meters downstream of a bauxite mining area.

It is alarming that even under such circumstances immediate action was not taken.

Mining activities can precipitate out heavy metals such as arsenic and mercury. At elevated levels and prolonged exposure, these constituents can have deleterious health effects. Conventional water treatment systems are not specifically designed to effectively remove heavy metals, though "indirect" removal is plausible at the coagulation/flocculation and filtration stages. Hence there was also a risk of these metals escaping the treatment plant and entering the water distribution network, reaching people's drinking water.

In fact, a news portal reported mercury levels in samples collected by the Department of Environment (DOE) at the Bukit Goh intake to be at 0.0093 mg/L.

This was almost 10 times more than the permissible limit of 0.0010 mg/L adopted by the Ministry of Health (MOH) and DOE. The levels of mercury, arsenic and manganese in other rivers were also high.

Thank goodness, the MOH data did not depict contamination of the treated water. That being so, pollutant levels can vary depending on many factors such as weather.

As previously discussed, water-borne bauxite pollution is driven by runoff. Pollutant levels would be higher during or after a rainfall event. This will happen more frequently during the monsoon season.

True enough, after two consecutive days of rain in December, the coastline along Pantai Batu Hitam turned red with bauxite sediment. This incident made news headlines all over the country.

Besides contamination towards water supply, aquatic organisms were also affected. Tg. Lumpur is a popular seafood destination and there are many of fisherman and recreational fishing activities. Conservative species such as heavy metals can bio accumulate in tissues of aquatic organisms that can then be transferred to other organisms, including humans via food consumption.



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Thus it is obvious the presence of the bauxite mines upstream of intake points presents a clear risk to the treatment plants as well as the environment in general.

“Bauxite washing” activities have also resulted in several rivers to be barricaded/dammed up with earth. The stability of these structures are questionable. If these structures fail, the impact towards the downstream areas would be monumental, as mud and sediment come gushing down.

A team of 17 environmental specialists and professionals (including yours truly as well as other members of Ensearch) from various backgrounds, including public health, soil erosion, water quality, air pollution and aquatic ecology came together to draft a statement of concern regarding the unregulated bauxite mining activities.

This statement of concern was sent to federal and state leaders. The document contained expression of concerns from the specialists in accordance to their areas of expertise. In addition, it also contained recommendations pertaining to what needed to be done particularly in terms of erosion and sediment control.

After the “red sea” incident, the Ministry of Natural Resources and Environment and Pahang State government made a joint press conference announcing a 3 month moratorium beginning 15 January 2016, halting all bauxite activities in Kuantan.

Many commented this timeframe was insufficient; but it was a start nonetheless.

Hopefully, at least the necessary control measures both in terms of mining as well as transport of bauxite can at least be drafted for implementation. Sustainable mining practices should be in place to minimize the impact and avoid irreversible effects.

Besides this, attention also has to be given to remediation of existing sites. If this is not done, the impact will continue even during and after the moratorium period as the topsoil is still exposed.

The bauxite mining fiasco in Kuantan left many lessons to be learned. Key of all, perhaps, is how quickly things can get ugly with a short lapse in attention. That so, at the end of the day the environment is the responsibility of every single one of us. In pursuit for material wealth, the environment should not be victimized.





EVENTS & ACTIVITIES

RESOURCECO ASIA (M) SDN BHD & LAFARGE CEMENT SDN BHD-KANTHAN PLANT TECHNICAL VISIT

Date : 1st December 2015 (Tuesday)
Time : 07:30 am - 04:15 pm
Venue : (1) ResourceCo Asia (M) Sdn Bhd, Ipoh, Perak
(2) Lafarge Cement Sdn Bhd-Kanthan Plant, Chemor, Perak

Summary :

A technical visit to ResourceCo Asia (M) Sdn Bhd and Lafarge Cement Sdn Bhd-Kanthan Plant on the 1st December 2015. A total of 21 participants, which comprised of ENSEARCH members, non-members and ENSEARCH secretariat joined the visit. The objectives of the visit are to create awareness and educate our members on the systems and processes used in the production of Resource Derived Fuel (RDF) from the waste streams and to educate our members on the systems installed and process involve in utilizing PEF to reduce the reliance on natural resources in the cement manufacturing process.

This Technical Site Visit provide an opportunity to the participants to observe first-hand a highly functional Waste-to-Energy (WTE) partnership in Ipoh, Perak. The first site, ResourceCo, is a waste and construction debris streams for recycling, re-use and as RDF for Lafarge. The second site, Lafarge Cements' Kanthan Plant north of Ipoh, consumes RDF feedstock from ResourceCo facility as fuel from cement clinker kilns, offsetting the use of conventional fossil fuels for cement manufacturing.

SNAPSHOTS





EVENTS & ACTIVITIES

K. KUMARASIVAM ENDOWMENT FUND (KKEF) MEMORIAL PUBLIC LECTURE & YOUNG ENVIRONMENTALIST AWARD 2015

Date : 15th December 2015 (Tuesday)
Time : 04:30 pm - 07:00 pm
Venue : Dewan Presiden, Kelab Golf Negara Subang, Kelana Jaya, 47301 Petaling Jaya
Speaker : Datuk Dr. M. S. Pillay
Summary :

The K.Kumarasivam Endowment Fund (KKEF) was established in recognition of the late Ir. K. Kumarasivam's contribution towards the promotion of environmental excellence in Malaysia.

Since its inception from 2004 as until 2015, 11 prominent speakers have graced the KKEF Memorial Public Lecture and 11 professionals have received the KKEF Young Environmentalist Internship Award.

The KKEF Memorial Public Lecture and Young Environmentalist Award was held on 15th December 2015 at Kelab Golf Negara Subang, Kelana Jaya. KTA Tenaga Sdn Bhd, of which Ir. K. Kumarasivam was a founding Partner, supported by providing a sum of RM2000.00 towards the event.

The Speaker for the Public Lecture was Datuk Dr. M. S. Pillay, retired Senior Health Advisor in World Health Organization China (WHO China). His Lecture on "Environmental Health Challenges of Urbanization" attracted a total of 50 participants both members of ENSEARCH and the public who were from diverse professions.

The 11 recipient of KKEF Young Environmentalist Award is Mrs. Rajeswari a/p Gunasesaran Her winning Essay spoke about Organic Awareness: Educating Rural Community about Environmental Benefits of Organic Food. Ms. Rajeswary Gunasesaran is currently working as the Senior Assistant Director, Consumerism Movement Division, Ministry of Domestic Trade, Cooperative & Consumerism. She was chosen because she has demonstrated the ability to focus on a problem area and was able to articulate it well hence the Internship would benefit her. As part of the award, Ms Rajeswary received a two-week (24th January 2016 to 5th February 2016) all expenses paid Internship program with the Philippine Center for Environmental Protection and Sustainable Development, Inc (PCEPSDI), Philippine.

SNAPSHOTS





EVENTS & ACTIVITIES

MEETING WITH THE DIRECTOR GENERAL OF DEPARTMENT OF ENVIRONMENT WITH ENSEARCH COUNCIL MEMBERS

Date : 17th February 2016 (Wednesday)
Venue : Department of Environment, Putrajaya
Summary :

On 17th February 2016, four of ENSEARCH Council members led by the president, Mr Ir. Elias Saidin has paid a courtesy call to the newly appointed Director General of Department of Environment (DOE), Dato' Dr Ahmad Kamarul Najuib at his office in Putrajaya.

ENSEARCH is looking forward to the DOE's continual contribution to the country's well-being, specifically in terms of environmental protection under his leadership.



From left: Mr Gobinathan Kumaran Nair, Ms Jenny Tan, Dato' Dr Ahmad Kamarul Najuib, Mr Ir Elias Saidin and Dr Foo Say Moo.



ANNOUNCEMENTS



TRAINING

Ecosystem Management and Assessment

Date: 16th & 17th March 2016 (Wed & Thu)

Time: 8:30 am — 05:00 pm

Venue: ENSEARCH Training Centre (*Map enclosed*),
30-3, Jalan PJU 5/16, Dataran Sunway, Kota Damansara, 47810 Petaling Jaya, Selangor.

Overview

The course aims to provide a introductory understanding and even enhancement in environmental protection, conservation through the holistic approach of ecosystem management. This would then ensure that development projects are managed and implemented in a more sustainable manner. Participants will gain insight into the why, what and how to minimize and mitigate environmental impacts through ecosystem management, assessment, monitoring and development planning.

Objectives

1. To understand the fundamental principles of ecosystem management and assessment
2. To emphasize the importance of taking ecosystem approaches
3. To allude on establishment of ecosystem management plan in development projects
4. To establish a platform for the group for further pursue their common activities in this subject

Who Should Attend?

Individuals Environment Professional, EIA consultants, HSE managers, regulators, project proponents, academicians and industry players.

Training Fee

- ♦ RM 900.00 (ENSEARCH Member)
- ♦ RM 1000.00 (Non-ENSEARCH Member)
- * Register **3 or more participants from the same organization to enjoy 10% discount**
- ♦ RM 300.00 (ENSEARCH Student Member)
- ♦ RM 350.00 (Student Non-ENSEARCH Member)
- * To qualify for the student price, please submit a copy of your **Student ID** as proof

Trainer

Dr. Suzanne McGowan

- ♦ Head of School of Geography, University of Nottingham Malaysia Campus
- Mr. Hj. Akashah Hj. Majizat K.M.N.

- ♦ Currently the Principal of Eco Development Facilities Sdn Bhd
- ♦ Former Head of Putrajaya Environmental, Lake and Wetlands Section

Dr. Foo Say Moo

- ♦ Currently the Technical Advisor to Golden Ecosystem Sdn Bhd
- ♦ Former Head of Group in the Petronas Group HSE Division

Contact Us

Environmental Management & Research Association of Malaysia (ENSEARCH)

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Contact Person: Ms. Benedeth

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Visit us on the web at <http://ensearch.org>



Disclaimer: ENSEARCH reserves the right to **postpone/cancel** the said Training due to unforeseen circumstances. ENSEARCH will keep participants updated on the status **3 working days** in advance by e-mail.



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Trainer's Biodata

Dr. Suzanne McGowan

Dr Suzanne is an Associate Professor on the School of Geography where she teaches in the area of environmental change and ecosystem ecology. She has research expertise in the areas of limnology, aquatic ecology and palaeolimnology, having completed a PhD at Liverpool University (1997) and two postdoctoral fellowships (EU Marie Curie Fellowship at the geological Survey of Denmark and Greenland 1998-2001; PDRA at the University of Regina Canada 2001-2004). She has published over 50 scientific papers in peer-reviewed journals and 5 book chapters. She is currently Course Director of the Masters in Environmental Monitoring and Management and Head of School of Geography at University of Nottingham Malaysia Campus (UNMC), having moved to Malaysia in 2013. She is on the Advisory Board of Mindset, the UNMC Interdisciplinary Centre for Tropical Environmental Studies and is a Visiting Research Associate at the British Geological Survey.

Mr. Hj Akashah bin Hj Majizat K.M.N.

Mr. Akashah is one of the principals of Eco Development Facilities Sdn. Bhd. and Act Trail Travel Sdn. Bhd. the privately owned companies that spearhead a number of ecological management works, green activities and programs. He is a qualified Lake and Wetland Manager, trained in the International Course on Wetlands Management, WATC, RIZA, of the Netherlands. He is a member of the earlier Malaysian National Lake Technical Ad-hoc Committee set up by ASM and NAHRIM. He is also a member of NAHRIM's National Lake Research Committee and Council Member of ENSEARCH for the last 6 years and Chairman of SKOVEN (an elite school, SDAR's alumni corporate entity). He has written and presented a number of working papers on Lake Management Principles and having published papers on the same subject. Recently completed a UNESCO's funded project on Economic Assessment of Ecosystem Services. This assessment was done on the Putrajaya Lake and Wetland. It is one of the first project of its kind conducted on a lakes and wetlands ecosystem in Malaysia. Previously, he has successfully conducted a series of lake, wetland, ecosystem management and ecohydrology training programs.

Dr. Foo Say Moo

Dr Foo is currently the Technical Advisor to Golden Ecosystem Sdn Bhd, an environmental consulting that provides environmental research and consultancy services. He has over 30 years of experience working in upstream and downstream of the oil and gas industry covering a spectrum of expertise in R&D, science and technology in the fields ranging from petrophysics, crude oil and petroleum products, corrosion and pollution, material, environment, facilities engineering and energy conservation to HSE and sustainable development. He is a registered EIA Consultant and Subject Specialist with DOE (CS1046), a chartered member (CMIIA) of Internal Auditors of Malaysia, and member of the Steering Committee for the Prime Minister Hibiscus Awards for Environmental Excellence. He is one of the two Vice Presidents cum Chairman of the Education and Training Committee of ENSEARCH, Council Member of Environment and Natural Resources Council of MICCI, panel member of National Occupational Skills Standards Malaysia of Human Resource Ministry and Deputy Chair of SIRIM Technical Committee on EcoLabeling. He has involved in numerous EIA projects, environmental monitoring project and other projects such a Marine Growth Study, Efficiency of Oil Spill Dispersant Studies, and etc.

Training Programme

Day 1		Day 2	
Time	Description	Time	Description
8:30 – 9:00 am	Registration of participants	8:30 – 9:00 am	Registration of participants
9:00 – 10:45 am	Session 1: Ecosystem Principles and Legislative Requirements	9:00 – 11:00 am	Session 5: Mangrove and Corals Ecosystem
10:45 – 11:00 am	Morning Break	11:00 – 11:15 am	Morning Break
11:00 – 12:00 pm	Session 2: What is Ecosystem Q & A Session	11:15 – 1:00 pm	Session 6: Marine Ecosystem
12:00 – 1:00 pm	Lunch Break	1:00 – 2:00 pm	Lunch Break
1:00 pm – 3:00pm	Session 3: Wetland and Lake Management Q & A Session	2:00 – 3:00 pm	Session 7: Ecosystem Management Plan Q & A Session
3:00 pm – 3:15 pm	Afternoon Break	3:00 – 3:15 pm	Afternoon Break
3:15 – 5:00 pm	Session 4: Ecosystem Services Assessment Q & A session	5:00 pm	Collection of Feedback Form End of Training
5:00 pm	End of Day 1		



ANNOUNCEMENTS



FORUM ON SOLID WASTE MANAGEMENT

“Sustainable Solid Waste Management—3Rs, Treatment & Disposal And Is Incineration Still an Option?”

Date: 5th April 2016 (Tuesday)

Time: 9:00am - 4:45pm

Venue: Dewan Presiden, Kelab Golf Negara Subang (KGNS), Petaling Jaya

Overview

Solid waste is a major environmental problem in Malaysia. Currently, over 23,000 tonnes of waste are produced daily. This amount is expected to rise to 30,000 tonnes by the year 2020. Standards of waste management in Malaysia can be further improved, especially outdated and poor documentation of waste generation rates and its composition, inefficient storage and collection systems, disposal of municipal wastes with toxic and hazardous waste, indiscriminate disposal or dumping of wastes and inefficient utilization of disposal site space.

In Malaysia, there are almost 1800 rivers with half of them polluted and irreparably damaged, with significant contribution from solid waste indiscriminately dumped into waterways from industries and communities alike. In addition, improper solid waste management (SWM) pollutes the earth and contributes to climate change – decomposing waste produces methane, while many production processes emit greenhouse gases and utilize natural resources. Currently, 15% of solid waste generated in Malaysia is recycled. This is significant since the requirement for solid waste segregation is now mandatory in several states. Segregation is an important prerequisite to alleviate excessive waste treatment processes and management costs, especially with the presence of household hazardous wastes. It is important in the practice of the 3Rs and while incineration is often considered as an option for waste treatment and disposal, it is still hotly debated.

Objectives

- Provides an important opportunity for information exchange between policy makers, practitioners, industry and community to ensure compliance.
- Approaches taken by the authorities, including at local government level, will be shared, allowing discussion opportunities among stakeholders.
- A platform for discussion on current best practicable technologies for solid waste management including incineration technologies.

Registration & Participation Fee

- **RM 280.00** (ENSEARCH Member)
- **RM 380.00** (Non ENSEARCH Member)
- **Enjoy 10% discount** for Corporates who register 3 or more employees

Individual Online Registration: <http://goo.gl/forms/J4y5C6Wah5>

Group Corporate Registration (scroll to bottom of page for the form): http://ensearch.org/events/?event_id=203

Contact Us

ENSEARCH cordially invites you to participate at this Forum.
For further information, please contact Ms. Sharon at:

Environmental Management & Research Association of Malaysia (ENSEARCH)
[Co.Registration:70/84 (W/Persekutuan)]

30-2, Jalan PJJU 5/16, Dataran Sunway, Kota Damansara,
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DOE - EIMAS



CPD Hours granted to Registered Certified Environmental Professionals

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Jabatan Pengurusan Sisa Pepejal Negara Malaysia



Department of Environment Malaysia

Sponsored by



Target Participants

- Waste and Sustainability Management Leaders
- Managers from Industry and Commercial Sectors
- Consultants
- Academia
- Government Agencies
- Community Leaders
- NGOs





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TENTATIVE PROGRAMME

5th April 2016, Tuesday

09:00 AM - 09:30 AM	Registration of Participants
09:30 AM - 09:35 AM	Welcome Address by President ENSEARCH
09:35 AM - 09:45 AM	Opening Address & Officiating by Encik Mohd Rosli Bin Hj Abdullah, Director General, National Solid Waste Management Department (JPSPN), Malaysia
09:45 AM - 10:00 AM	Refreshments
10:00 AM - 10:30 AM	Paper 1: Policy Paper on Solid Waste Management in Malaysia Presenter: Ms. Khalilunisha Abu Bakar, Principal Assistant Director, Bahagian Dasar & Strategik, National Solid Waste Management Department (JPSPN), Malaysia
10:30 AM - 11:10 AM	Paper 2: E-Waste Management (Electronic Waste) Presenter: Representative from Department of Environment (DOE), Malaysia
11:10 AM - 11:50 PM	Paper 3: Solid Waste Management Practices Presenter: Dr. Roslan Mohamed Hussin, Director of Solid Waste Management Subang Jaya Municipal Council (MBSJ)
11:50 PM - 12:30 PM	Q & A Session
12:30 PM - 01:30 PM	Lunch & Networking
01:30 PM - 02:10 PM	Paper 4: Best Practicable Solid Waste Management Technologies, Including Incineration for Industry and Commercial Sectors Session 1 Presenter: Mr. William Tan S. P., Group CEO SP Multitech Corporation Berhad
02:10 PM - 02:50 PM	Paper 5: Best Practicable Solid Waste Management Technologies, Including Incineration for Industry and Commercial Sectors Session 2 Presenter: Ir. Muralindran K, General Manager ResourceCo Asia (M) Sdn Bhd
02:50 PM - 03:30 PM	Paper 6: Segregation of Waste in the Industrial and Commercial sector - Actual Experiences Presenter: Mr. David Zon, Executive Director, Hi-Tech Waste Management Sdn Bhd
03:30 PM - 04:30 PM	Panel Discussion (Policy and Practices)
04:30 PM - 04:45 PM	Conclusion and Refreshments





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SUSTAINABILITY AND ENVIRONMENTAL MANAGEMENT CONFERENCE & EXHIBITION (SEM 2016)

Theme:

Moving Towards A Sustainable Low Carbon Economy

25th & 26th July 2016
(Mon & Tue)

The Royale Chulan
Kuala Lumpur

Organised By:



Environmental Management and Research
Association of Malaysia

2-Day Conference with Four Plenary Sessions :

- Air (Pollution, Climate Change)
- Marine Resources
- Sustainable Energy
- Hazardous Waste



CPD Hours granted to Registered
Certified Environmental
Professionals



Endorsed By:



Ministry of Natural Resources
& Environment Malaysia



Ministry of Energy, Green Technology & Water

Supported By:



Department of Environment
Malaysia

Please register your interest with ENSEARCH:

Contact Person: Sharon
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Oct - Mar 2016

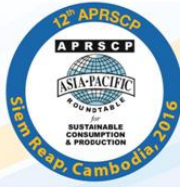


ANNOUNCEMENTS

13th APRSCP 2017 / Kuala Lumpur, Malaysia
Co-Organised by the APRSCP & ENSEARCH



switchasia
POLICY SUPPORT



The 12th Asia Pacific Roundtable for Sustainable Consumption and Production

12-13 July 2016
Siem Reap, Cambodia

The Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP)

The Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP) is an Asia-focused international, nongovernmental, non-profit, network institution that promotes sustainable consumption and production in the Asia-Pacific. The APRSCP is a multi-stakeholder dialogue that aims to enhance and strengthen regional cooperation in the development and implementation of sustainable consumption and production (SCP) strategies, and to promote best practices, programs, local initiatives, and lessons learned on SCP related projects in Asia and the Pacific region.

Since 1997, the APRSCP has held 11 roundtables within the region to date and has built up a strong network covering the entire Asia Pacific region. The APRSCP network has grown and matured over the years and, with its supporters, has cooperated in recent projects such as Resource Efficient and Cleaner Production activities in the Asia-Pacific region.

The 12th APRSCP,

The 12th APRSCP will be held on 12-13 July 2016 in Siem Reap, Cambodia. Together with our main organizers, the Kingdom of Cambodia under the Ministry of Environment and our local partner, the International Institute for Scientific Research (IISR) with the support from the United Nations Environment Programme (UNEP) and other partners, the 12th APRSCP hopes to continue engaging multi-stakeholders in developing and implementing innovative policy solutions, up-scaling technology and knowledge benchmarking, approaches and instruments towards the development and implementation of programmes on SCP.

The 12th APRSCP Theme is "Call for Action –Acting together for our future sustainability."

Overall Objective

The objective of the 12th APRSCP is to foster dialogue and partnerships among multi-stakeholders about developing and implementing innovative policy solutions, up-scaling technology and knowledge benchmarking, approaches and instruments towards the development and implementation of programmes on SCP in the region.

More specifically, the 12th APRSCP will contribute to the overall aim of strengthening national and regional policy frameworks and translating their respective national policies and strategies into concrete actions to promote the shift towards more SCP patterns and resource efficiency, thereby contributing to green growth, inclusive and equitable green economy and reduction of poverty in the Region, and to promote technology and information exchange on SCP in the region.

Specific objectives of the 12th APRSCP are as follows:

- Share progress and promote best practices, programs, local initiatives and lessons learned on SCP related initiatives and green growth, green economy and sustainable development related policies and activities for the pursuit of Sustainable Development Goals (SDGs) in Asia and the Pacific region
- Identify synergies and build cooperation to engage actively in the development and implementation of the 10YFP Roadmap on Asia and the Pacific.
- Share experiences and lessons learned in scaling up existing and new resource efficiency and SCP strategies, tools and approaches through research and information awareness, capacity building, innovative financing, and monitoring and evaluation.



ANNOUNCEMENTS

13th APRSCP 2017 / Kuala Lumpur, Malaysia
Co-Organised by the APRSCP & ENSEARCH

Expected outputs:

1. A set of recommendations on how stakeholders can scale up implementation of SCP through the Sustainable Development Goals
2. Recommended regional program/activities for research, communication, capacity building, financing and monitoring and evaluation to scale up SCP best practices and initiatives
3. Key recommendations on key priority areas identified in Cambodia on pursuing economic progress and changes on consumption, policy reforms for environmental management, education for sustainability and preserving tradition and culture, sustainable cities and recommended actions to push forward sustainability and environmental issues in the forefront of ASEAN priorities.

Thematic areas of the 12th APRSCP

Thematic Areas	Roundtable Session discussions on the following topics:
1. Sustainable Food Systems and Agriculture	<ol style="list-style-type: none"> 1. Food safety - food security; food supply; food quality 2. Sustainable agricultural practices. 3. Nutrients Cycle
2. Sustainable Cities and Livelihoods: Green economic growth and social inclusiveness	<ol style="list-style-type: none"> 1. Energy Efficiency (Access to energy, Supply of energy, and Production of energy) and sustainable transport 2. Sustainable land use and environmental management (Air, water, waste) 3. Green technology Transfer and institutional capacity building (Green jobs; green financing)
3. Sustainable Tourism	<ol style="list-style-type: none"> 1. Mainstreaming sustainable consumption and production (SCP) in tourism policy 2. Policy strengthening and implementation on sustainable tourism through public – private partnerships 3. Life cycle assessment - based hotspots analysis of hotels in the Region
4. Education and Sustainable Lifestyles	<ol style="list-style-type: none"> 1. Education & Information Awareness 2. Sustainable living (learning traditional sustainable practices) 3. Production Information (eco-labelling and sustainable procurement)
5. Implementation of the 2015 Post Dev. Agenda	<ol style="list-style-type: none"> 1. From MDGs to SDGs: Readiness, Progress, and Gap Assessment 2. SDGs Mainstreaming in national policies and implementation and integration in various sectors 3. Indicators in the SDGs
6. Special Sessions	<ol style="list-style-type: none"> 1. S1a: Sustainable Public Procurement 2. S1b: Sub-regional meetings (ASEAN/South Asia Forums) - 3. S2: 5th LCA AgriFood Asia 4. S3a: Waste Management & Circular Economy as Integral Part of SCP in Asia 5. S3c: (RECP)



ANNOUNCEMENTS

13th APRSCP 2017 / Kuala Lumpur, Malaysia
Co-Organised by the APRSCP & ENSEARCH

Draft Agenda

12th APRSCP: Call for Action: Acting together for our Future Sustainability
12-13 July 2016
Siem reap, Cambodia

Day 1: 12 JULY 2016

07:30 – 08:30	Registration			
08:30 – 10:00	Opening Ceremony			
10:00 – 10:30	Networking Break/ Photo session/ Press Conference/ Exhibition/Poster Presentations			
10:30 – 12:30	Plenary Session 1: Acting together for our Future Sustainability			
12:30 – 13:30	Lunch			
13:30 – 17:30	ROUNDTABLE SESSIONS			
	Roundtable 1: Sustainable Food Systems and Agriculture	Roundtable 2: Sustainable Cities, Livelihoods and Green Finance	Roundtable 3: Sustainable Tourism	Special session 1 (TBD)
13:30 – 15:00	RT 1a: Food Safety	RT 2a: Energy Efficiency and Sustainable Transport	RT 3a: Mainstreaming sustainable consumption and production (SCP) in tourism policy (TBA)	S1a: (APRSCP and KEITI - TBD) Note: Adi- whats the focus here as SPP is already covered under RT4c
15:00 – 15:30	Networking break			
15:30 – 16:30	RT 1b: Sustainable Agriculture	RT 2b: Sustainable land use and environmental management (Air, water, waste)	RT 3b: Policy strengthening and implementation on sustainable tourism through public – private partnerships (Green hotel guidelines, certification systems and standards) (TBA)	S1b: Sub-regional meetings (ASEAN/ South Asia Forums) - TBA
16:30 – 17:30	RT 1c: Nutrient Cycle	RT 2c: Green technology Transfer and institutional capacity building (Green jobs; green financing)	RT 3c: Life cycle assessment - based hotspots analysis of hotels in the Region (TBA)	
18:00 – 20:30	Dinner Reception			



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Day 2: 13 JULY 2016

ROUNDTABLE SESSIONS				
	Roundtable 4: Education and Sustainable Lifestyles	Roundtable 5: Implementation of the 2015 Post Dev. Agenda	Special Session 2: 5th LCA AgriFood Asia	Special session 3
08:30 – 10:00	RT 4a: Education & Information Awareness	RT 5a: From MDGs to SDGs: Readiness, Progress, and Gap Assessment	LCA AgriFood Asia · "LCA in AgriFood Sector Towards Food Security" · "LCA and Food Policy"	S3a: Waste Management & Circular Economy as Integral Part of SCP in Asia (SWITCH Asia Network Facility) (TBD)
Networking Break				
10:00 – 10:30	RT 4b: Sustainable living (learning traditional sustainable practices)	RT 5b: SDGs Mainstreaming in national policies and implementation and integration in various sectors	LCA AgriFood Asia (continuation) Session 1: LCA for Sustainable AgriFood Policy Session 2: Food, Water, Energy Nexus – Adaptation to Climate Change	S3b: Continuation on Wastes Management - (SWITCH Asia Network Facility) (TBD)
10:30 – 11:30				
11:30 – 12:30	RT 4c: Production Information (eco-labelling and sustainable procurement)	RT 5c: SCP Indicators in the SDGs		
Lunch				
12:30 – 13:30	Plenary Session II: Post UNEA 2: call for action		Invited speaker: Session 3: LCA for Agricultural Policy - Moving from Farm to Landscape Session 4: Sustainable Agriculture Indicators	S3c: (APRSCP & RECP) (TBD)
13:30 – 15:00				
Networking Break				
15:00 – 15:30	Plenary Session III · Presentation on Roundtable Conclusion on Parallel Sessions 1 – 5 and other events · Open Discussion & Next steps			
15:30 – 17:00				
17:00 – 17:30	Closing Session and Handover Ceremony			

Day 3: 14 JULY 2016

Back to back Event:

1. National Workshop on Sustainable Consumption and Production in Cambodia
2. RECP Net Meeting
3. SWITCH – Asia Networking Event



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Conference Design

The 12th APRSCP Roundtable will have Plenary Sessions and Parallel Sessions focusing on the selected thematic and priority areas inviting speakers (resource experts and country representatives) followed by interactive discussions and insights from panelists, including presentations of submitted technical scientific papers with latest research findings and best practices on technology, management, and policy from academia, research community, project management officers, NCPCs, and other stakeholders. Other panelists will discuss country or regional experience in using specific SCP strategies, tools and approaches. Discussion will also be on the current opportunities for cooperation by identifying initiatives through research and information awareness, capacity building, financing, and monitoring and evaluation. Afterwards, all sessions will convene and report in the closing plenary session.

Exhibits and side events such as workshops and small roundtable sessions will be conducted in partnership with supporting organizations.

Main Partners

The 12th APRSCP is being led by the APRSCP through their APRSCP Board of Trustees and hosted by the Kingdom of Cambodia under the Ministry of Environment and the International Institute for Scientific Research (IISR). The 12th APRSCP is organised by the APRSCP lead by the APRSCP Board of Trustees and hosted by the Kingdom of Cambodia under the Ministry of Environment and the International Institute for Scientific Research (IISR). The 12th APRSCP is also being held through the support provided by the United Nations Environment Programme –Regional Office for Asia and the Pacific under the EU funded and UNEP managed SWITCH Asia Regional Policy Support programme, and the 10 Year Framework of Programmes on Sustainable Consumption and Production (10YFP) and through other partner institutions.

Contact Us

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H.E.Prof.Dr. CHHUN Vannak

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For further information, please contact the APRSCP Secretariat at email: secretariat@aprscp.net and the APRSCP website at <http://www.aprscp.net>





ENSEARCH SABAH BRANCH NEWS

The ENSEARCH SABAH BRANCH NEWS; where
all news and announcements related to our
Branch in Sabah
will be published.



SABAH BRANCH COMMITTEE 2015/2016

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Executive Secretary	: <i>Ms. Syamshidah Awang</i>



Group Photo with the Guest of Honour, Speakers, Committee Members, Members and Guests



ENSEARCH CALENDER 2016

March

ECOSYSTEM MANAGEMENT AND ASSESSMENT TRAINING

16th & 17th (Wednesday & Thursday)

April

FORUM ON SOLID WASTE MANAGEMENT

5th (Tuesday)

ENERGY CONSERVATION FOR INDUSTRY - PRACTICAL APPROACH

24th & 27th (Tuesday & Wednesday)

May

ENSEARCH 32nd ANNUAL GENERAL MEETING

19th (Thursday)

June

UNIVERSITY HSE MANAGEMENT

7th & 8th (Tuesday & Wednesday)



SNAP SHOTS (OCT-MAR)



← **'Payment of CESS and Environmental Fund'
& 'EIA Order 2015' & Forums**
[27th October 2015]

Air Pollution Assessment (Level 1-Beginner)
[12th & 13th November 2015] →



← **ResourceCo Asia (M) Sdn Bhd & Lafarge
Cement Sdn Bhd-Kanthan Plant Technical
Visit**
[1st December 2015]



→ **K. Kumarasivam Endowment Fund (KKEF)
Memorial Public Lecture & Young
Environmentalist Award 2015**
[15th December 2015]



← **Advanced GIS for Environmental Management**
[23rd & 24th February 2016]





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"For a Better Environment"



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