



MALAYSIAN STORMWATER ORGANIZATION (MSO)



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(Vice President MSO)

Presented at SWaM 2017

18th-20th September 2017, Kuala Terengganu



Malaysian Stormwater Organisation (MSO)

Contents

1. Introduction: Who's who, History of MSO

1. Objectives

1. MSO Organisation Chart

1. Membership and Activities

1. Why be a member ?

1. Discussion: Suggestions for Improvement



Who's who



MALAYSIAN STORMWATER ORGANIZATION (MSO)



Who's who



EnviroCert International, Inc.® (ECI) is a US-based, Non Profit Organization whose purpose is to safeguard life, health, and property, and to promote public welfare. EnviroCert was established to provide certification program for the practice of Stormwater Quality (CPSWQ), Erosion and Sediment Control (CPESC), Certified Professional in Municipal Stormwater Management™ (CPMSM) and Stormwater Inspections (CESSWI).



Who's who



Certified Inspector Sediment and Erosion Control (CISEC)

A US-based, non-profit organisation, which administers an international certification program that recognizes the abilities, skills experience, and knowledge of **inspectors** who demonstrate their proficiency in observing, inspecting and reporting on the implementation of Storm Water Pollution Prevention Plans (SWPPPs) & EMP

Who's who



MALAYSIAN STORMWATER ORGANIZATION (MSO)

MSO is a Malaysian registered non-profit NGO founded for the purpose of spreading know-how and awareness in Urban Stormwater Management or its more popular acronym MSMA and Erosion and Sediment Control (ESC) in Malaysia.

Who's who



MALAYSIAN STORMWATER ORGANIZATION (MSO)

It manages the certifications of Certified Professionals by **EnviroCert Int (ECI)** and **CISEC** in stormwater management and ESC. Both parent organizations ECI and CISEC are based in the USA, and both offer international certifications (i.e. for any interested nationality).



Who's who



MALAYSIAN STORMWATER ORGANIZATION (MSO)

MSO manages all Malaysian registrants of both organizations, on their behalf e.g. collects yearly fees, disseminates news materials, liaise with Government Departments on regulations, enforces code of ethics and is recognised to conduct their exams in Malaysia.





MSO

***How it started and
Why We Care...***



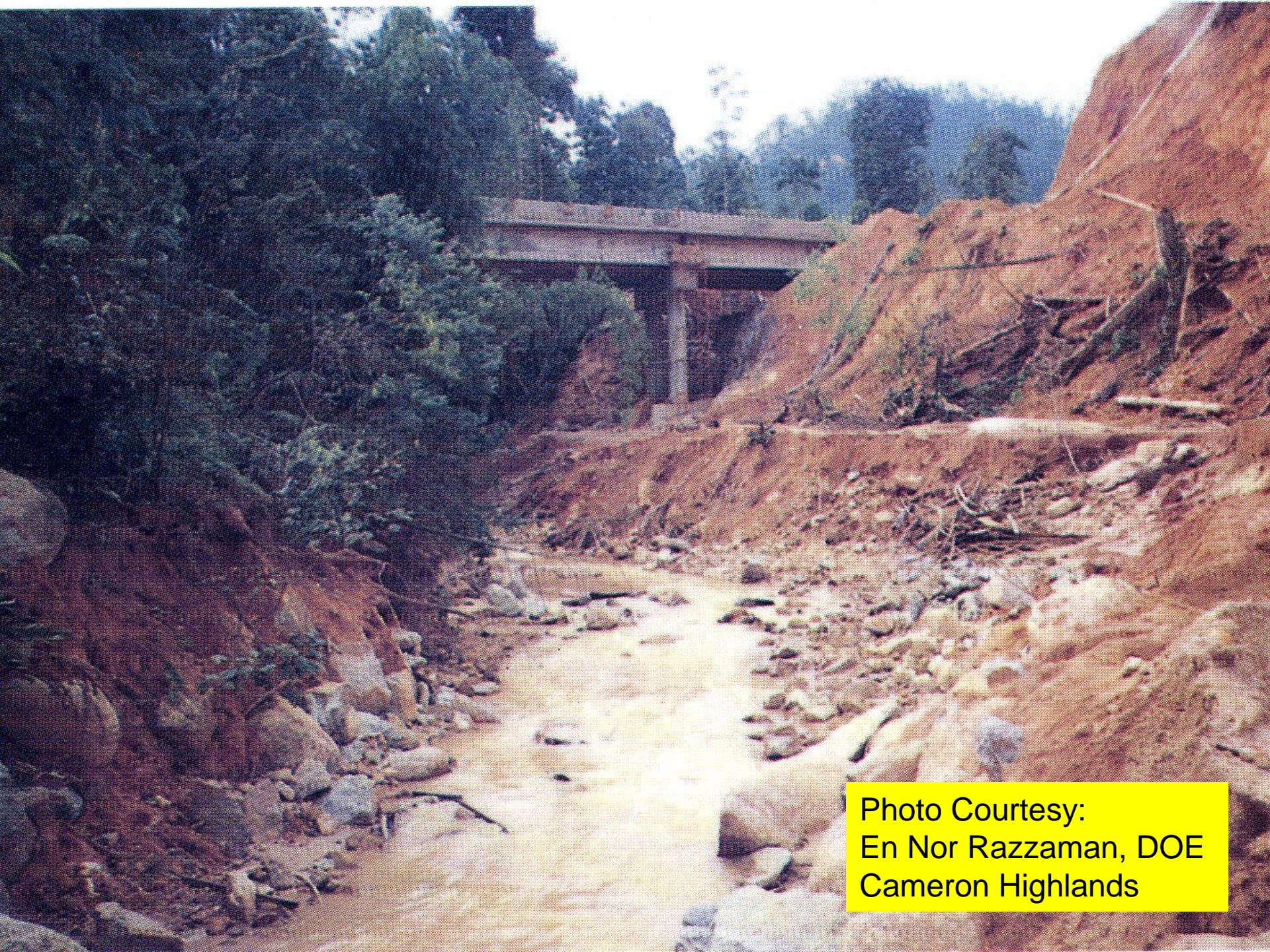


Photo Courtesy:
En Nor Razzaman, DOE
Cameron Highlands





Photo Courtesy:
Mr Leong



BRIEF HISTORY OF MSO

How it started

- **2000:** Manual Saliran Mesra Alam (MSMA) was introduced
- Chapters on Best Management Practices & Erosion and Sediment Control were introduced
- **2001-2004:** JPS conducted courses in ESCP with low success rate





BRIEF HISTORY OF MSO

- **2004:** JPS presented a paper in MNKT. ESC Plans (ESCP) were made mandatory for all earthworks in LA areas. PE needed to sign ESCP
- **2006:** Malaysian Delegation met up with the board of **CPESC Inc**, at their meeting in Denver, Colorado. Meeting was arranged by a Malaysian engineer, Ir. Leong Kwok Wing, who had worked in the US for 20 years previously.
- **2006:** Interim Committee set up called **CPESC (Malaysia)**

History of CPESC (Malaysia), Denver 2006



StormCon 2006, Denver

(The North American Surface Water Quality Conference and Exposition)



StormCon 2006 Denver



Team CPESC (Malaysia), 2007

Team Malaysia arriving
San Francisco International
Airport



Presentation of 1st CPESC
Exam applicants and discussion



Very Cold Frosty Morning @ IECA

IECA Conference Reno, Feb 2007

(International Erosion Control Association)



The REAL-THING @ CPESC Exam



5 hr CPESC Exam,
17th Feb 2007, Reno





IECA Conference, Orlando 2008 - Discussion

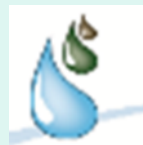


IECA Conference - Orlando 2008 - Site Visit

BRIEF HISTORY OF MSO



- **2007:** First CPESC exam was held in Penang (14 out of 24 passed)
- **2008:** Large number of passes for CPESC exams
DOE started conducting classes for DOE staff
- **2008:** CESSWI AND CPSWQ was also registered in Malaysia



MALAYSIAN STORMWATER ORGANIZATION (MSO)

BRIEF HISTORY OF MSO

- **2010:** Finally Malaysian Stormwater Organization (MSO) was registered as a non-profit body with the ROS
- **2011:** DOE made it compulsory for Registered EIA Consultants with CPESC, or equivalent, can address Erosion and Sedimentation issues in EIA Reports and only PE with CPESC or equivalent prepares ESCP for EIA projects approved
DOE also require only CESSWI or equivalent, registrants to be Environmental Auditors to conduct audit for EIA projects at the construction stage
- **2012:** Signing of 1st ECI/MSO Agreement
- **2013:** Signing of 2nd ECI/MSO Agreement in Reno, USA





2012 Agreement Envirocert International-MSO



MSO-ENVIROCERT INT'L AGREEMENT

IECA LAS VEGAS 2012



REGIONAL OPERATING AGREEMENT

BETWEEN

ENVIROCERT INTERNATIONAL, INC.

AND

MALAYSIAN STORMWATER ORGANIZATION (MSO)

Region 11 Operating Agreement

IT IS MUTUALLY AGREED THAT:

1. This agreement shall become effective upon the date of the last signature affixed hereto.
2. This agreement shall be in place for a period of one year from the date of execution or until such time as the Malaysian chapter has grown to be fully capable of acting on its own, which case, this agreement can be mutually terminated as the chapter will be a supporting region of EnviroCert International with the similar status as all current Regions which are held and supported under the current EnviroCert International status.

ACCEPTED BY:

Ajaj 2/2/2012
Date Signed

Dato' Ir. Haji Ahmad Husaini Bin Sulaiman
President
Malaysian Stormwater Organisation
c/o Department of Irrigation and Drainage
Jalan Sultan Salahuddin
50626 Kuala Lumpur, Malaysia

David H. Ward 02/26/12
Date Signed

David H. Ward, CPESC, CESSWI
Executive Director
EnviroCert International, Inc.
49 State Street
Marion, NC 28752

ENVIROCERT INT' L ANNUAL MEETING @ HUNTSVILLE, ALABAMA, 11-13 JAN 2013 MSO- REGION 11 MALAYSIA

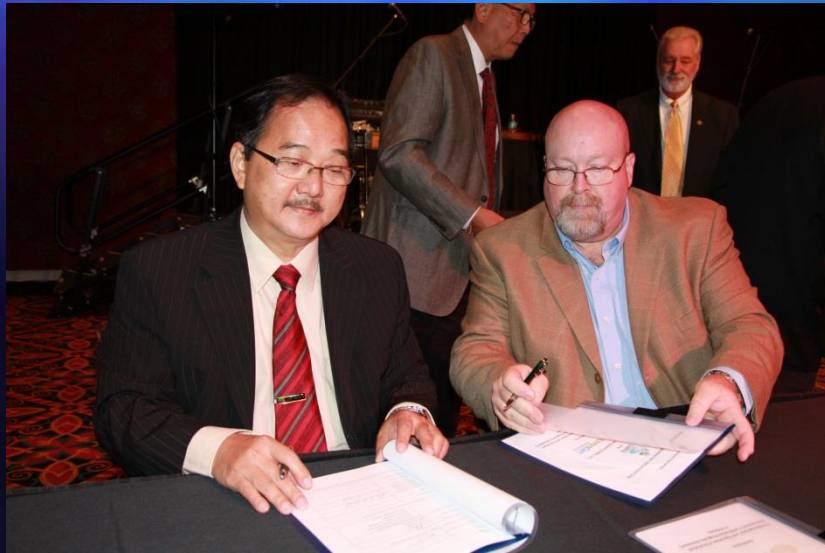


Board-of-Directors, Council Members, Team Envirocert International 2013, Thank you for your support



MISO-ENVIROCERT INT'L AGREEMENT

21 JULY SWCS CONFERENCE RENO, NEVADA 2013
IN CONJUNCTION w/CPESC 30TH ANNIVERSARY





Objectives of MSO

To collaborate and create smart partnership between various world standard stormwater organization for the standardisation and accreditation of stormwater management and erosion and sediment control needs.

To represent Malaysia at various stormwater related events (national and abroad) for the promotion of sustainable stormwater management.

To act as the focal organisation for Urban Stormwater Management





Objectives of MSO (cont)

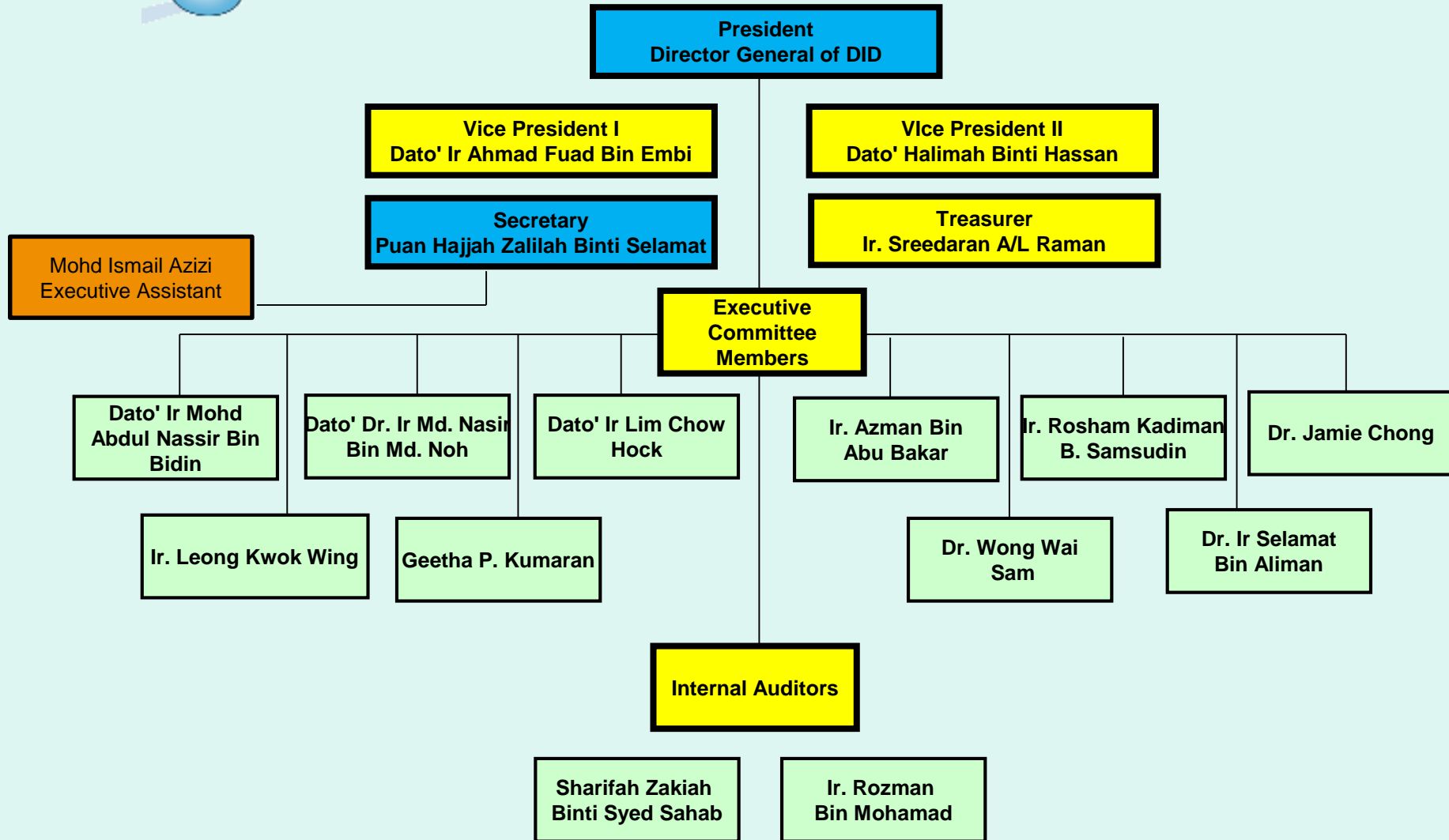
To act as the coordinating centre for individual, organization, institution and other similar bodies to share common interests in the fields of stormwater management.

To act as the information center for publication and technical data on stormwater management in Malaysia with the prior approval of the authority concerned.





MSO Organisation Chart, EXCO 2016-2018





MSO ACTIVITIES

- Certifying Professional in stormwater management and erosion and sediment control in accordance with guideline as approved by Executive Committee, and complying with the Regional Operating Agreement signed between the Organisation and EnviroCert International, Inc. (ECII)
- Organising and conducting activities for stormwater management and erosion and sediment control programs
 - Conduct Certification Examination
 - Conduct Seminars, Courses
- Disseminating information to members of the Organisation and the public





MSO ACTIVITIES

- Participating in meetings, conferences and activities related to stormwater management and erosion and sediment control.
- Exchanging of technical information and collaborating with institutions, organizations, agencies or individuals on stormwater and erosion and sediment control related activities.
- Supporting research and development activities on stormwater management, erosion and sediment control and related matters.
- Maintaining membership with international bodies.



EiMAS-CESSWI Jun 2010



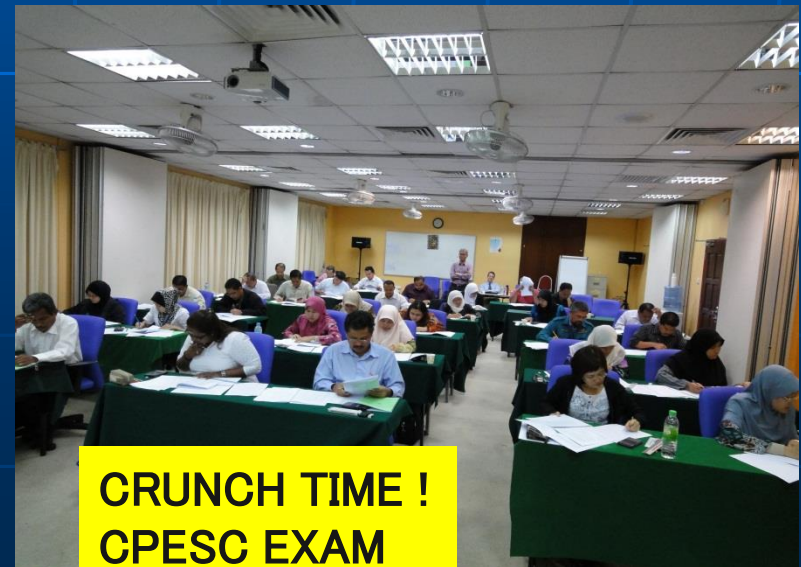
EiMAS-CPESC Jan 2011



Review CPESC applications
@ VACAVILLE Jan2011



Night Review-Homework session



CRUNCH TIME !
CPESC EXAM

CPEESC-EiMAS Dec 12-15, 2012

Kota Bharu, Kelantan



CESSWI classes Mon-Fri NOV 18-22, 2013



CPESC classes in 2013



- BMP TOOL KIT
- ✓ 1) K-RUSLE
 - ✓ 2) RUSLE(A)
 - ✓ 3) RUSLE-BMP
 - ✓ 4) MUSLE-T
 - ✓ 5) RUNOFF-COMPN
 - ✓ 6) RUNOFF-VOLUME-PEP
 - ✓ 7) RUNOFF-CHECKDAMS
 - ✓ 8) SCS-PLS
 - ✓ 9) SCS-PEK-NPK
 - ✓ 10) SCS-EROSION CONTROL MATTERS ←



CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
15-18 APRIL 2013
CONDUCTED BY:
MALAYSIAN STORMWATER ORGANIZATION (MSO)
AT BUNGA RAYA
LEVEL 3
9.00AM - 5.00PM





CPESC Class and Exam, 2016



**CISEC Class and Exam,
2016**



CESSWI Class and Exam 2017

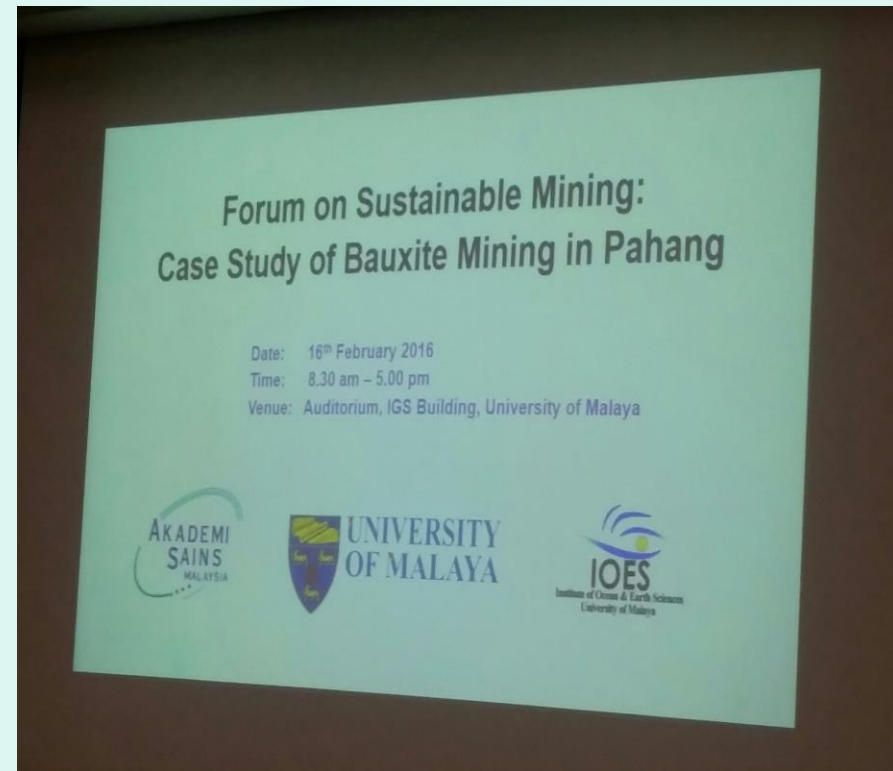
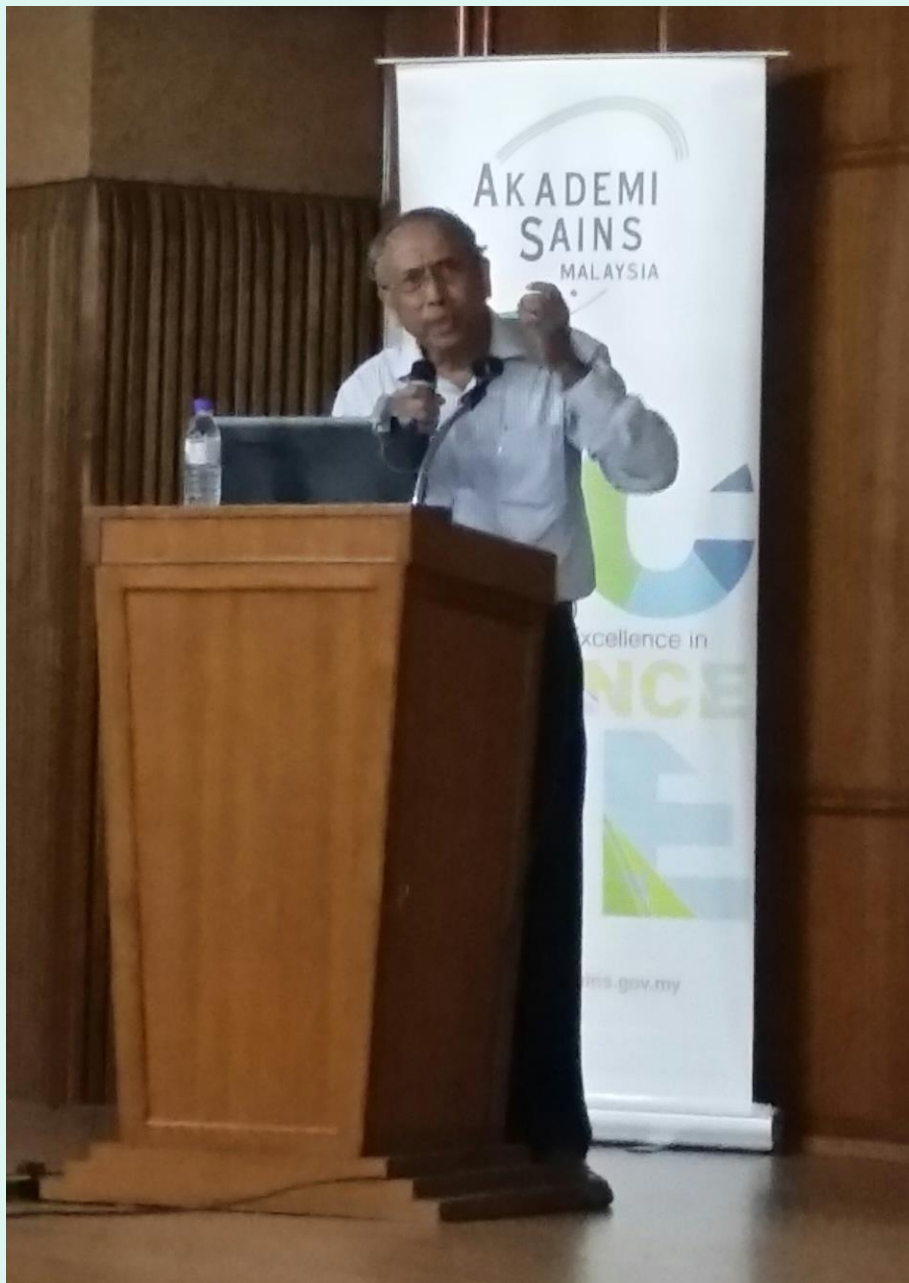




ECI Audit, 11 November
2016

Mr Robert Anderson and
Ms Susan Clark with
MSO EXCO
11 November 2016





MSO Vice Chairman Presenting a Position Paper at the Forum on Sustainable Mining- Case Study of Bauxite Mining in Pahang, Feb 2016. Organised by ASM and UM



Attending and Presenting a Position Paper at the Workshop on Erosion and Sedimentation, 10 March 2016, Organised by Akademi Sains Malaysia (ASM)



7th AGM
26 May 2016





8th AGM,
27 March 2017





Pre discussion, 8th AGM, 27 March 2017



**EXCO Meetings-
minimum 4 times
a year**



MSO Exhibition Booth at the International Association for Hydro-Environment Engineering and Research (IAHR), 13-18 August 2017, Kuala Lumpur



EXCO attending the DOE “EIA Seminar on the New Dimension of EIA in Malaysia”, 9-10 November 2016



Meeting with CIDB, August 2017

Why be MSO Member?

What are the benefits of joining MSO?

- MSO is the local chapter of ECI and CISEC and is given the mandate to manage the registrants of CPESC, CPSWQ, CESSWI and CISEC.
- Also, anyone with similar interests in stormwater management can join MSO although they will not be managed as Registrants from ECI or CISEC. It can be beneficial for them in terms of knowledge sharing.
- As a Registrant, you need to be a MSO member to renew your certification. ECI Inc and CISEC Inc will only deal with MSO on renewals. **Renewal through MSO for CPESC and CESSWI is only RM75 /year as compared to USD100 before ECI/MSO Agreement.**



MEMBERSHIP

(Amendments to Constitution 2017, effective 2018)



Entrance Fees and Subscriptions

- The entrance fees for membership in each grade shall be as follow :

Honorary members	Exempted
Corporate members	RM 500.00
Life members	RM 100.00

- The annual subscription for membership in each grade of the Organization shall be as follows :

Honorary members	Exempted
Corporate members	RM 200.00
Life members	none





MSO MEMBERSHIP



MSO Members:

Corporate Member: 15

Individual/Life member: 501



Registrants:

CESSWI : 222

CPESC : 240

CPSWQ : 11

CISEC : 111



CERTIFICATION PROGRAMS MANAGED BY MSO



CPESC - Certified Professional In Erosion and Sediment Control



CPSWQ - Certified Professional in Stormwater Quality



CISEC - Certified Inspector of Sediment and Erosion Control



CESSWI- Certified Erosion, Sediment, & Stormwater Inspectors



MALAYSIAN STORMWATER ORGANIZATION (MSO)

MSO Sub-Committee

MSO Sub Committee



- Membership/Registrants
- Training
- Certification Exams
- International Liason
 - ECI, CISEC
- Professional Development Hours (PDH), PDH units required for renewal
- Discipline/Code of Ethics





Areas for Improvement

Suggestions?





Areas for Improvement

- *Information Dissemination*
- *Notices*
- *Website (Under construction. By October)*
www.msowater.org.my
- *Renewal Procedure*
- *Code of Ethics*
- *Activities?*
- *Any other suggestions??*





Thank you

