

RECSAM News

SEAMEO Regional Centre for Education in Science and Mathematics

ISSN 0126-7612



September - December 2010

Volume 41 Number 3



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The Journal for Science and Mathematics in Southeast Asia is the official journal of the SEAMEO Regional Centre for Education in Science and Mathematics (SEAMEO RECSAM). The journal serves as the medium for the exchange of ideas and the dissemination of information in science and mathematics education for a wide range of readership.

Chief Editor: Dr. Cheah Ui Hock

Frequency of Publication: Biannual

All correspondences, including comments, suggestions, subscriptions, contributions or other related inquiries should be addressed to the Director, SEAMEO RECSAM, Jalan Sultan Azlan Shah, 11700 Gelugor, Penang, Malaysia.

Email: director@recsam.edu.my

Website: <http://www.recsam.edu.my>

Tel: 60 4 6522700 Fax: 60 4 6522737

Price for
one year
subscription:

RM 40.00
(Malaysia)

US\$ 30.00
(SEAMEO Member
Countries)

US\$ 40.00
(Other Countries)



Latest Issue: Vol. 33
No. 2, December 2010



RECSAM's 41st Governing Board Meeting



THE 41st Governing Board Meeting was convened at Savoy Homann Bidakara Hotel, Bandung, Indonesia from 11 - 13 October 2010. The Centre tabled a total of nine reports, seven working papers and presented one information paper for the deliberation of the Board Members, who assessed the performance of the Centre during fiscal year 2009/2010, and also identified policies, resolutions and recommendations that will ensure that the Centre continues to enhance regional cooperation in Science and Mathematics education.

After having conducted the Meeting for two days, a visit to SEAMEO QITEP (SEAMEO Regional Centre for Quality Improvement of Teacher and Education Personnel in Science) was organised. Dr. Sediono Abdullah, Acting Director of SEAMEO QITEP in Science and his management team welcomed all delegates. The delegates also toured the Centre, after a brief opening programme.

33rd SEAMEO High Officials' Meeting



THAILAND Education Minister, H. E. Chinnaworn Boonyakiat presided over the Opening Ceremony of the 33rd SEAMEO High Officials' Meeting held at Royal Orchid Sheraton Hotel, Bangkok from 22 - 24 November 2010. The Meeting was attended by Vice-Ministers, Permanent Secretaries, and Senior Officials of Ministries of Education of SEAMEO member countries, Directors of SEAMEO units and representatives from Associate Member Countries and partner organisations. Dr. Azian T.S. Abdullah, Centre Director, Tn Haji Ahmad Ramli, Deputy Director (Administration) and Mr. Devadason R. Peter, Deputy Director (Research & Development) attended the Meeting.

Visitors to RECSAM



Mr. Nagae Tsutomu (second from left).

Mr Nagae Tsutomu, Chief Representative and Mr Miura Yasuo, Volunteer Coordinator from Japan International Cooperation Agency (JICA) paid an official visit to RECSAM on 4 November 2010. RECSAM's Centre Director and the academic staff received them and had a meaningful discussion involving possible collaboration in science and mathematics education between the two countries.



Dato' Hj Hjh Noor Rizan (left).

Dato' Hj Hjh Noor Rizan Bt. Bapoo Hashim, Deputy Director-General, Ministry of Education Malaysia paid an official visit to RECSAM on 22 December 2010. After receiving a warm welcome from the Centre Director and staff of RECSAM, the distinguished guest were updated with information on the progress of the current programmes and activities of RECSAM by the Centre Director and followed by a tour around RECSAM.



Third Country Training Programme (TCTP)

TWO Third Country Training Programme (TCTP) entitled: (i) Professional Development Programme for Secondary Science Educators and (ii) Professional Development Programme for Secondary Mathematics Educators were conducted by RECSAM from 18 October - 12 November 2010. Sixteen science teacher educators attended the Professional Development Programme for Secondary Science Educators training under Mr. C. Annamalai's supervision while the other 15 teacher educators attended the Professional Development Programme for Secondary Mathematics Educators training under the supervision of Dr. Leong Chee Kin. This one-month in-service training programmes were jointly organised by Malaysian Technical Cooperation Programme (MTCP), Colombo Plan Secretariat and OPEC Fund for International Development (OFID).



Group photo.

Customised Courses

CUSTOMISED COURSES FOR INDONESIAN SECONDARY SCIENCE AND MATHEMATICS EDUCATORS



Mr. Teoh Boon Tat (left), guiding the participants.

THREE customised courses for Indonesian Secondary Science and Mathematics Educators entitled: (i) Enhancing Higher Order Thinking Skills (HOTS) in Secondary Science via Information and

Communications Technology (Biology Group), (ii) Enhancing Higher Order Thinking Skills (HOTS) in Secondary Science via Information and Communications Technology (Physics Group) and (iii) Enhancing Higher Order Thinking Skills (HOTS) and Creative Problem Solving in the Student-Centred Secondary Mathematics Classrooms were conducted at RECSAM from 1 - 26 November 2010. Twenty three participants attended the Biology Group training under Mr. Dominador Dizon Mangao's supervision, 20 participants attended the Physics Group training under Mr. Marmon A. Pagunsan's supervision and 22 participants attended the Mathematics Group training under Ms. Teoh Boon Tat's supervision. These training programmes were sponsored by the Ministry of National Education of Indonesia.

CUSTOMISED COURSES FOR INDONESIAN SCIENCE AND MATHEMATICS TEACHERS

THREE customised courses for Indonesian Science and Mathematics Teachers entitled: (i) Effective, Constructivist and Meaningful Mathematics Teaching, (ii) Effective, Constructivist and Meaningful Biology Teaching and (iii) Constructivist Physics Teaching and Learning were conducted at RECSAM from 13 - 17 December 2010 for 112 participants from Semarang, Indonesia.

Fourty seven participants attended the mathematics

training course under Assoc. Prof. Dr. Noor Shah bin Saad's supervision, 29 participants attended the biology training course under Assoc. Prof. Dr. Ong Eng Tek's supervision while 36 attended the physics training course under Dr. Nurulhuda bt. Abd. Rahman's supervision. These training programmes were sponsored by the Ministry of National Education of Indonesia and were conducted in partnership with Universiti Pendidikan Sultan Idris (UPSI).

Promoting Science & Technology Education



RECSAM organised a programme entitled: Promoting Science & Technology Education (*Penggalakan Sains & Teknologi Pulau Pinang 2010*) in partnership with the State Education Department on 15 and 16 November 2010 which was conducted by Ms. Foo Lay Kuan, Mr. Lee Shok Mee and Mr. Baharulnizam Baharum from Training Programme Division. The programme was aimed to instill awareness on science and technology as well as conservation on the environment for sustainable development. Two partner schools with a total number of 60 students in Penang participated in this programme namely: (i) SMK Sungai Nibong and (ii) SMK Bukit Gambir.



In-Country Training Courses

Active Teaching & Learning in Science for Secondary School Teachers

1



THE Brunei in-country training course on “Active Teaching and Learning in Science for Secondary School Teachers” was conducted at Sultan Hassanal Bolkhiah Institute of Education, Universiti Brunei Darussalam, Brunei Darussalam from 27 September - 2 October 2010 for forty secondary science teachers. This in-country training course was organised and sponsored by Human Resource Development Section of Brunei Darussalam’s Ministry of Education and conducted by RECSAM’s Specialists, Mr. Dominador D. Mangao and Mr. Marmon A. Pagunsan. The purpose of this programme was to provide opportunity for the participants to: (i) model active teaching and learning approaches in science (ii) reinvent their techniques and skills to guide students to carry out scientific inquiry (iii) become familiar with a range of teaching-learning and assessment strategies.

2

Active Teaching & Learning in Primary Science



THE Indonesia in-country training course on “Active Teaching & Learning in Primary Science” was conducted at SD Islam Al-Azhar 13 Rawamangun, Jakarta Timur, Indonesia from 29 November - 3 December 2010 for fifty primary science teachers. This in-country training course was organised by Office of the Directorate of Kindergarten and Primary School Development, Ministry of National Education, Indonesia and conducted by RECSAM’s Specialists, Mr. Dominador D. Mangao and Mr. Marmon A. Pagunsan and Mr. Hideo Nakano, Senior Japan International Cooperation Agency (JICA) Volunteer based at RECSAM. The purpose of this training programme was to introduce participants to a wide range of active teaching and learning approaches designed to enhance students’ learning in the science classroom.

3

Active Teaching & Learning



THE Philippines in-country course for primary science teachers on Active Teaching & Learning was held at Tagaytay International Convention Centre, Tagaytay City, Philippines from 13 - 16 December 2010. This in-country training course was organised

by the Bureau of Elementary Education (BEE), Staff Development Division (SDD) of the Department of Education, Philippines with the support of RECSAM’s provision of facilitation and budget allocation for the fiscal year 2010. This in-country training course was conducted by Ms. Foo Lay Kuan, Deputy Director (Training Programme) and Mr. Lee Shok Mee, Specialist from Training Programme Division. The training course introduced participants to a wide range of active teaching and learning approaches designed to enhance students’ learning in the science classroom. Twenty nine teachers from the Special Science Primary Schools attended this training course.



Colloquium Organised by RECSAM

Mr Julito Aligaen, R&D Specialist from RECSAM gave a talk on Lifelong Learning System: Learner Centered “School Field School” in a colloquium held at RECSAM on 28 October 2010. Twenty six participants attended the talk.



Training Workshops

1 **Web 2.0 : A New Wave of Innovation for Teaching and Learning Science**

A workshop entitled: Web 2.0: A New Wave of Innovation for Teaching and Learning Science by Mr. C. Annamalai, Specialist from Training Programme Division was held at RECSAM on 27 and 28 October 2010. Participants were exposed to Web 2.0 and were given opportunities to explore the possibilities of using Web 2.0 for different learning objectives. Twenty eight participants attended the workshop.



Mr. C. Annamalai (standing) guiding a participant.

2

Errors in Misconceptions in Mathematics: How to Use Error Patterns to Help Students Learn – A Workshop for Primary Mathematics Educators

A workshop entitled: Errors in Misconceptions in Mathematics: How to Use Error Patterns to Help Students Learn was held at RECSAM for 55 primary mathematics teachers and educators from Rajabhat Mahasarakhan University, Thailand by Ms. Francilyn O'Brien, a mathematics educator from California, USA on 19 and 20 October 2010. The workshop was aimed to help teachers improve their Mathematics instruction by becoming more diagnostically oriented.



Ms. Francilyn O'Brien (standing) stressing a point during the workshop.

3

Effective Use of GeoGebra in the Classroom: A workshop for GeoGebra Users

Dr. Leong Chee Kin, Specialist from Training Programme Division conducted a two-day workshop for secondary mathematics teachers and teacher educators on: Effective Use of GeoGebra in the Classroom on 25 and 26 October 2010 at RECSAM. Participants were taught how to use the basic features of GeoGebra and its effective use of dynamic worksheets as designed by others. Twenty one participants (comprising of Colombo Plan participants and State Education Department officers from the various states in Malaysia) benefited from the workshop.



A session during the workshop.



Consultancy Services

1 Dr. Leong Chee Kin, Specialist from Training Programme Division gave a talk on “An Introduction to Geogebra: A workshop for GeoGebra Users” for 32 pre-service teachers from *Institut Pendidikan Guru (IPG)* Kampus Pulau Pinang on 26 September 2010.



Mr. Devadason R. Peter and Mr. C. Annamalai, Specialists from RECSAM gave a talk on “Using Slowmation in Teaching and Learning Science” for a group of teacher trainers from *Institut Pendidikan Guru (IPG)* Kampus Pulau Pinang at RECSAM on 29 September 2010. About 150 teacher trainers attended the talk.

3 Dr. Cheah Ui Hock, Senior Specialist from Research & Development Division attended the “*Ketua Jabatan Sains dan Matematik MRSM*” meeting held at Hotel Continental, Kuala Lumpur on 29 September 2010.



Mr. Teoh Boon Tat, Specialist from Training Programme Division was invited to conduct a Problem-Based Learning the 4 Core Areas (PBL4C) in Mathematics Education workshop at KL International Hotel organised by the Curriculum Development Division, Ministry of Education, Malaysia from 8 - 11 November 2010.

5 Dr. Cheah Ui Hock, Senior Specialist from Research & Development Division was involved as a workshop facilitator in the “Mathematizing: Using Contexts to Develop Mathematical Ideas” workshop organised by Institut Pendidikan Guru, Kementerian Pelajaran Malaysia at Citrus Hotel, Kuala Lumpur from 30 November - 3 December 2010.

6 Dr. Leong Chee Kin, Specialist from Training Programme Division was involved as a speaker in a GeoGebra Seminar organised by Pusat Pengajian Sains Matematik, Universiti Sains Malaysia (USM) on 13 December 2010.



Mr. Hideo Nakano, visiting consultant from Japan International Cooperation Agency (JICA), Malaysia conducted a workshop on “Kids Rule!” organised by Pusat Sains Negara, Kuala Lumpur from 21 - 22 December 2010.

New Faces

LET us welcome the following new members into RECSAM's family!



Dr. Sheila Gamut Oyao took the post as a Specialist at Research & Development (R&D) Division on 4 October 2010. Dr Sheila who has a PhD in Public Affairs from Chiba University, Japan, was previously an Assistant Language Teacher – English at Chiba University, Elementary School, Chiba City, Japan.



Mr. Hideo Nakano joined RECSAM as a Visiting Consultant assigned by Japan International Cooperation Agency (JICA). Mr Hideo Nakano holds a Master of Art and Science from Graduate School of Biosystem, Tsukuba University. He was previously a Senior Volunteer on Science and Mathematics Education at Wesley College in Ghana.

Farewell



The Finance Unit felt the absence of Ms Irene Lee Chow Kheng when she left the service on 28 July 2010. Ms Irene started as a Junior Clerk in 1975 and later on as an Administrative Assistant (Special Grade) in Finance Unit. We wish you good health and all the best in your future endeavours. Your dedication and contribution to the Centre would be greatly remembered.



Staff Development

1 Mr. Dominador D. Mangao and Mr. Marmon A. Pagunsan, Specialists from Training Programme Division attended the 2010 AESTEP (Association of Elementary Science Teachers & Educators Philippines) National Convention on “Addressing Global Warming in Basic Education” organised by Association of Elementary Science Teachers and Educators of the Philippines, Inc. in cooperation with the Department of Education Division of Aklan and the Regional Science Teaching Center, West Visayas State University, Iloilo City from 8 - 10 October 2010 at Sampaguita Garden Resort & Spa, Kalibo, Aklan. Both were involved as plenary speakers to talk on “Addressing Global Warming in the School Curriculum Through Science, Technology, Environment & Society (STES) Education: The RECSAM Experience” and “Elementary Science Teaching: The Integration of Climate Change Concepts and Issues” respectively.

2 Dr. Cheah Ui Hock, Senior Specialist from Research & Development Division travelled to Bahrain to attend the Education Project Conference organised by Bahrain Economic Board at Isa Cultural Centre in Juffair, Bahrain’s capital Manama from 8 to 10 October 2010.



3 Mr. Hideo Nakano, visiting consultant from JICA (Japan International Cooperation Agency) attended the 6th International Workshop on “Science Centre in Promoting Knowledge and Innovative Society for Sustained and Responsible Growth in Developing Countries” organised by National Science Centre & Petrosains, Kuala Lumpur from 11 - 15 October 2010.



4 Mr. Marmon A. Pagunsan, Specialist from Training Programme Division attended a Lecture-Forum organised by Centre for Research and Innovation in Science and Mathematics Education of West Visayas State University at Center for Teaching Excellence, West Visayas State University, Philippines on 11 October 2010 and gave a talk on “Digital Native: My Student, My Friend, My Responsibility”.



5



Mr. Lee Shok Mee, Specialist from Training Programme Division went to Halong, Vietnam to attend the ASEAN Pattern Lab: Education for Sustainable Development workshop organised by UNESCO from 19 - 21 October 2010.

6

Mr. Julito C. Aligaen, Specialist from Research & Development Division attended the Asia-Pacific Climate Change Adaptation Forum on Mainstreaming Adaptation into Development Planning organised by Asia Pacific Adaptation Network (APAN) - Regional Climate Change Adaptation Platform for Asia at United Nations Conference Center (UNCC), Bangkok, Thailand on 21 and 22 October 2010.

7

Ms. Ng Khar Thoe, Specialist from Research & Development Division travelled to Budapest, Hungary to attend the 6th EDEN Research Workshop on “User Generated Content Assessment in Learning: Enhancing Transparency and Quality of Peer Production; Emerging Educational Technologies and Digital Assessment Methods” Conference organised by European Distance and E-Learning Network (EDEN) in collaboration with International Council for Open and Distance Education (ICDE) and European Foundation for Quality in E-Learning (EfQuel) at Budapest University of Technology and Economics, Budapest, Hungary from 25 - 27 October 2010.

8

Dr. Cheah Ui Hock, Senior Specialist from Research & Development Division went to Chiang Mai to attend the APEC-Chiang Mai International Conference Innovations of Mathematics Teaching and Learning through Lesson Study organised by Faculty of Education, Khon Kaen University, Khon Kaen in Chiang Mai, Thailand from 1 - 6 November 2010.

9



Dr. Hazura Ab. Bakar and **Mr. Lee Shok Mee**, Specialists from RECSAM participated in the UNESCO-APCEIU Capacity Building Workshop on “Global Citizenship Education for a Culture of Peace and Sustainable Future” hosted by Universiti Sains Malaysia (USM) and jointly-organised by UNESCO Bangkok and Asia-Pacific Centre of Education for International Understanding (APCEIU) at Park Royal Hotel, Penang from 22 to 25 November 2010. Mr. Lee was also involved as a resource person at the Sub-regional Capacity-building Workshop.



10



Dr. Azian T.S. Abdullah, Centre Director and **Tn. Haji Ahmad Ramli**, Deputy Director (Administration) attended a Conference on “Stretching the Organizational Possibilities of SEAMEO Regional Centres” organised by SEAMEO INNOTECH from 1 - 3 December 2010 at SEAMEO INNOTECH, Quezon City, Philippines.

11

Dr. Leong Chee Kin, Specialist from Training Programme Division travelled to Kenya to attend the 10th SMASE-WESCA (Strengthening of Mathematics and Science Education in Western, Eastern, Central and Southern Africa) Regional Conference on “A reflection on a Decade of Promoting Mathematics and Science Education in Africa” organised by the Ministry of Education, Kenya and SMASE-WECSA Association from 6 - 10 December 2010. This programme was funded by JICA (Japan International Cooperation Agency).



12



Dr. Hazura Ab. Bakar and **Dr. Sheila G. Oyao**, Specialists from Research & Development Division participated in a two-day workshop on “Utilizing Multiple Regression, MONOVA and SEM to Design Quantitative Research Method in Social Science Educational and Psychological Field” organised by School of Educational Studies, Universiti Sains Malaysia, Penang on 15 and 16 December 2010.

13

Ms. Ng Khar Thoe, Specialist from Research & Development Division participated in the Structural Equation Modeling (SEM): Theory and Practice workshop conducted by Assoc. Prof. Dr. Karuthan Chinna from University Technology MARA, Shah Alam. The training workshop was organised by SPSS Users’ Association of Kuala Lumpur and Selangor at SPSS Training Centre, Kuala Lumpur from 15 - 17 December 2010.

First Aid Training for Staff



RECSAM staff performing first-aid during the course.



THE first batch of the First Aid and CPR training course (certificate renewal) was conducted for 30 RECSAM staff on 21 October 2010.

The trainer was Mr. Karunamoorti s/o Ganthi from the Malaysian Red Crescent Society (MRCS) is a Senior Instructor under the Penang Branch Training Committee. Mr Karunamoorti has 20 years of service record in MRCS.

There were theoretical lessons and hands-on exercises followed by examination and certification. Staff were exposed to different types of emergencies such as trauma emergencies and cardiac & respiratory emergencies and were taught how to perform First Aid through a mock accident scenario.

Management Retreat



One for the album.

AFTER a busy 2010, it was time to step forward and review the achievements of year 2010 and plans for this upcoming 2011. And so, 24 management and academic team members from RECSAM took the beaches of Batu Feringgi from 8 - 11 December 2010 to attend the annual RECSAM Management Retreat which was held at Bayview Beach Resort with the objective of bridging thoughts within the Centre to consciously and collectively recommend the way forward for the Centre's upcoming annual plan.

The Meeting was chaired by the Centre Director. All Deputy Directors (Administration, Training Programme and Research & Development) presented their upcoming 2011 plans which had been determined based in the Centre's Strategic Goals and Key Results Areas (KRAs). The Meeting also covered topics like Key Performance Indicators (KPIs) refined by SEAMEO Secretariat as well as the Centre's work processes.



Family Spirit at RECSAM



"A Dazzling Night in Black and White"



23 OCTOBER 2010 was certainly an "amazing" night when all RECSAM staff and their family members were treated a family dinner themed "A Dazzling Night in Black & White", a night of fun, rewards and lots of prizes to be won through the lucky draw segment.

For the first time, the staff and their family members gathered to enjoy the lavish buffet and seafood barbeque dinner held at Vistana Hotel, Penang. Many of the staff showed their support towards the occasion by wearing black and white costumes.

All staff and their family members were entertained by our very own, made in Malaysia, best in Penang, RECSAM's Michael Jackson. The night continued with other performances, games such as longest chain, bottoms up and lucky draws.

When it was time for the favourite part – THE LUCKY DRAW – everyone was eager to win any of the lucrative prizes ranging from the stylish Panasonic Lumix digital camera and the snappy Samsung DVD player to the trendy Panasonic microwave oven and the ultimate Grand Prize holiday package to *Pulau Pangkor* worth RM518 with RM300 cash which was won by the lucky Ms Foo Lay Kuan from Training Programme Division. It was indeed a memorable event for all.



Festive Gatherings at RECSAM

Delightful Raya Celebration

TO further enhance the spirit of Hari Raya, RECSAM held its festive gathering with all staff and tenants on 5 October 2010. All RECSAM staff attended the gathering which commenced from 4.00pm - 6.00pm with lively "Raya" songs.

It also created an opportunity for the foreign staff to understand our Malaysian culture of "Unity in Diversity" of races and religions in Malaysia a little better.

Overall, it fulfilled the objective to promote healthy and harmonious working relationship and culture at RECSAM. Everyone had a delightful feast and it was a great festive gathering to be remembered.

RECSAM staff enjoying delicious spread of festive delicacies.

Unique Deepavali Celebration

THE unique Deepavali celebration was celebrated on 11 November 2010 with sparkling joy. The celebration saw RECSAM staff from various races having a good time and savouring a delicious spread of hi-tea and festive delicacies. RECSAM staff were all smiles and laughter as they sampled the Deepavali spread as well as Indian delicacies such as thosai, putu mayong, chapatti and vadai. Apart from sharing the festival joy within staff fraternity, the presence of staff from various races and religions reflects our Malaysian spirit of Muhibbah (solidarity).

Staff enjoying the festive delicacies.





Year 2010 in Review



The "Intel Teach Essentials Version 10 Program" training workshop facilitated by Pn. Rema Devi Menon from Any Connection in Enterprise Sdn. Bhd. was held at RECSAM from 25 - 29 January 2010.



1. A "Climate Change and Energy Teacher Training Workshop" was conducted by RECSAM from 1 - 4 February 2010.
2. A workshop entitled: "Making Non-Routine Problems Fun and Challenging for Your Students" was held at RECSAM on 24 February 2010.



1. The 7th Regional Congress: Search for SEAMEO Young Scientists (SSYS) was held at RECSAM, Penang, Malaysia from 2 - 5 March 2010.
2. Mr. Lee Shok Mee, Science Education Specialist from Training Program Division gave a talk on "Lesson Study: Enhancing Classroom Instructional Practices" in a colloquium held at RECSAM on 26 March 2010.
3. A workshop on "Mobile and Game Learning" was held at RECSAM from 29 March 2010 to 2 April 2010.



April

1. Completion of Regular Courses Batch II 2009/2010.
2. A Memorandum of Understanding (MOU) was signed between RECSAM and the Colombo Plan Secretariat (CPS) on 9 April 2010 to train selected participants from developing member countries of the Colombo Plan.
3. Two workshops entitled: (i) "A Magical Workshop on Creativity in Mathematics Education" and (ii) "Making Science Content Meaningful through Fun and Creative Activities" were held at RECSAM on 7 and 8 April 2010 and 13 - 15 April 2010 respectively.



1. RECSAM received 40 delegates from Thrunsong School, Nakorn Sri Thammarat, Thailand on 6 and 7 May 2010.
2. Two workshops entitled: (i) "dBook for Mathematics and Science Educators and Textbook Writers" and (ii) "Design and Production of Video Recordings of Student-Centered Classroom Teaching, For Use in Teacher Training" were held at RECSAM on 17 - 19 May 2010 and 21 May 2010 respectively.



1. A workshop for secondary and tertiary science teacher educators entitled: "Constructive Assessment, or Testing to Destruction?" was conducted at RECSAM on 7 and 8 June 2010.
2. A team building (*Kerjasama Berpasukan*) course was held at RECSAM and MPC Northern Region Office, Bertam for 29 General Assistants (GAs) which was conducted by Mr. Maskor Bajuri from Malaysia Productivity Corporation (MPC) on 21 and 22 June 2010.



July

1. Sixteen pre-service teachers and two lecturers from the University of the Western Sydney Australia (UWS) did their practicum in six primary and secondary schools in Penang from the 28 June 2010 to 9 July 2010.
2. A workshop entitled: "Serious Games for Education Development" was held at RECSAM on 14 and 15 July 2010.

August

RECSAM staff went all out to support the National Day celebration on 31 August 2010 by participating in a Parade held at Padang Kota, Penang.

Sept

Mr. Devadason R. Peter and Mr. C. Annamalai, Specialists from RECSAM gave a talk on "Using Slowmation in Teaching and Learning Science" for a group of teacher trainers from *Institut Pendidikan Guru (IPG) Kampus Pulau Pinang* at RECSAM on 29 September 2010.

Oct

1. RECSAM's 41st Governing Board Meeting was convened at Savoy Homann Bidakara Hotel, Bandung, Indonesia from 11 - 13 October 2010.
2. RECSAM's Family Dinner themed "A Dazzling Night in Black & White" was held at Vistana Hotel, Penang on 23 October 2010.
3. Three workshops entitled: (i) "Errors in Misconceptions in Mathematics: How to Use Error Patterns to Help Students Learn", (ii) "Effective Use of GeoGebra in the Classroom" and (iii) "Web 2.0: A New Wave of Innovation for Teaching and Learning Science" were held at RECSAM on 19 and 20 October 2010, 25 and 26 October 2010 and 27 and 28 October 2010 respectively.

1. Three customised courses for Indonesian Secondary Science and Mathematics Educators was held at RECSAM from 1 - 26 November 2010.
2. Three partner schools in Penang participated in a programme entitled: "*Penggalakan Sains & Teknologi Pulau Pinang 2010*" organised by RECSAM in partnership with State Education Department on 15 and 16 November 2010.



Dec

Three customised courses for Indonesian Science and Mathematics Teachers entitled: (i) "Effective, Constructivist and Meaningful Mathematics Teaching", (ii) "Effective, Constructivist and Meaningful Biology Teaching" and (iii) "Constructivist Physics Teaching and Learning" were conducted at RECSAM from 13 - 17 December 2010.



Southeast Asian Ministers of Education Organisation
Regional Centre for Education in Science and Mathematics

RECSAM INTERNATIONAL HOUSE

152 elegantly decorated rooms with modern amenities



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Mutiara Lounge



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www.recsam.edu.my/IH

Editorial Board

Advisor

Dr. Azian T.S. Abdullah

Editorial Committee

Hj. Ahmad Ramli

Foo Lay Kuan

Devadason Robert Peter

Editor

Wong Lai Cheng

Editorial Assistant

Shaneem Kamarudin

Design

Leong Yik Chin

Technical Support

Mohd. Yusof Abu

Roslan Akob

Photographer

Ch'ng Choon Chua

Contributors

Dr. Cheah Ui Hock

Dominador D. Mangao

Dr. Leong Chee Kin

Dr. Hazura binti Ab. Bakar

Dr. Sheila Gamut Oyao

Julito C. Aligaen

Lee Shok Mee

Marmon A. Pagunsan

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RECSAM News is a periodical publication of the SEAMEO Regional
Centre for Education in Science and Mathematics
Jalan Sultan Azlan Shah, 11700 Gelugor, Penang, MALAYSIA
Tel: 60 4 6522700 Fax: 60 4 6522737
Website: www.recsam.edu.my Email: director@recsam.edu.my