



2013 Knowledge Sharing Expo Workshop

The 2013 Knowledge Sharing Expo was organized as a part of Public Sector Management Quality Award (PMQA)'s operation according to Office of the Public Sector Development Commission's path. Department of Environmental Quality Promotion has appointed its own PMQA Committee as well as Knowledge Management Team (KM) to jointly organized a knowledge management Expo with the objectives of improving organization's culture and driving the operation process within the organization toward efficiency. To accomplish such objectives, DEQP's Knowledge Management Team and specialists are following the 7 steps below.

- 1) Indicating 3 knowledges, i.e. Environmental-Friendly Production, Service and Consumption
- 2) Creating and exploring knowledge
- 3) Managing the knowledge systematically
- 4) Processing and screening the knowledge
- 5) Accessing to the knowledge
- 6) Sharing the knowledge
- 7) Testing the attendees of KM activities to follow up the result

Department of Environmental Quality Promotion organized, "2013 Knowledge Sharing Expo" on environmental-friendly production, service and consumption at Long Beach Hotel and Tara mantra Hotel in Cha-am District of Petchaburi Province on 13-15 September 2013, Mr. Sakol Thinagul, Deputy Director-General of DEQP, delivering the report speech to Mr. Jatuporn Buruspat, Director-General of DEQP, who chaired the opening ceremony. The following activities were organized in this event.



- 1) Knowledge sharing on United Nations Framework Convention on Climate Change (UNFCCC)
- 2) Summary of Operation Plan 2014
- 3) Video Presentation of DEQP: strategic plan which in association with the Ministry of Natural Resources and Environment Strategic plan
- 4) Knowledge sharing on the policies and goals of Department of Environmental Quality Promotion
- 5) Knowledge sharing on environmental-friendly production, service, and consumption through doing activities at the kiosk, consisting of Environmental-Friendly Lifestyle, Green Office, Green Procurement and Employment, Research on Water Reuse, Green Petchaburi, and Boy Scout's Preservation of Natural Resources and Environment Conservation Boy's Scout

Contents

02

- 24th Meeting of the ASOEN
- 14th Informal ASEAN Ministerial Meeting on the Environment and 9th Meeting of the Conference of the Parties to the ASEAN Agreement on Transboundary Haze Pollution 25 September 2013, Surabaya, Indonesia

05

- Biological Research Project of Environmental Research and Training Centre
- "Love Sharing... Warm Hugs from DEQP"

03

- Department of Environmental Quality Promotion Supporting City Development Project
- "Teens Rules"
- Waste for Stuff
- "Gudhae Community" Solving Water Problems with Monkey Cheek Project to Store Water All Supply For Year Long

06

- Following the Footstep of HM the King Seminar
- Big Cleaning Day : Reviving Ao Prao

04

- Welcoming the New Deputy Director-General, Mr. Sermyot Sommun
- 30th Asia-Pacific Regional Scout Jamboree (30 APRSJ) and Nippon Jamboree (16 NJ)

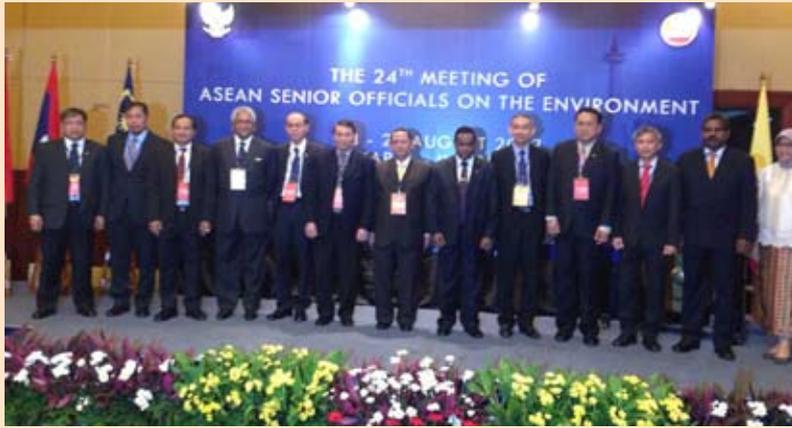
07

- United Laan Tak Fah Brings Back Clear Water & Beautiful Canals
- Glaciers at risk

08

- Thai Environment Day and National Day of Natural Resources and Environmental Volunteer Network
- Thailand EE Award
- Environmental - Friendly Production (OTOP)
- "Green Heart" Logo Design Contest Project

24th Meeting of the ASOEN



Deputy Permanent Secretary of Ministry of Natural Resources and Environment, Dr. Wijarn Simachaya, led the representatives to participate in the 24th Meeting of the ASEAN Senior Officials on the Environment: 24th ASOEN and other related meeting on 27-31 August 2013 in Jakarta, Republic of Indonesia.

The representatives from Ministry of Natural Resources and Environment were invited by Mr. Suvat Chirapant, Ambassador Extraordinary and Plenipotentiary of Permanent Mission of Thailand to ASEAN with a welcoming dinner in Jakarta.



14th Informal ASEAN Ministerial Meeting on the Environment and 9th Meeting of the Conference of the Parties to the ASEAN Agreement on Transboundary Haze Pollution 25 September 2013, Surabaya, Indonesia



Ministers responsible for the environment from ASEAN Member States (AMS) held their 14th Informal ASEAN Ministerial Meeting on the Environment and 9th Meeting of the Conference of the Parties to the ASEAN Agreement on Transboundary Haze Pollution on 25 September 2013 in Surabaya, Indonesia. The Ministers reviewed regional cooperation on a number of environmental issues, in particular the related actions in the environmental sustainability section of the ASEAN Socio-Cultural Community (ASCC) Blueprint, and discussed new initiatives to further promote regional environmental cooperation.

The Ministers responsible for the environment will meet again in Lao PDR in 2014 on the occasion of the 15th Informal ASEAN Ministerial Meeting on the Environment and the 10th Meeting of the Conference of the Parties to the ASEAN Agreement on Transboundary Haze Pollution.



Department of Environmental Quality Promotion Supporting City Development Project

Economic growth has brought about the continual expansion of city area, changing the economy, politics and society. However, the limitation of government sector's resources, both budget and workforce, is making many problems remain unsolved and waiting for support or solution.

The government has had initiated a city development project to promote the culture of being good citizens, who responsibly participate in their communities' solutions in line with democratic approaches by allowing all the member, sharing their ideas and actions to develop their habitable, safe, healthy, creative, and relaxing city areas for improving city lives. This concept leads to the TV show called "Roi Mue Sang Muang." Hundreds of joins hands can make a liveable city.

Department of Environmental Quality Promotion is sponsoring "Roi Mue Sang Muang", the project which brings the people opportunities to participate in their city community development to improve the quality of lives by submitting projects expected to benefit the community and the nation. During the contest, Mr. Jatuporn Buruspat, Department of Environmental Quality Promotion's Director-General, and Mr. Sakol Thinagul, Deputy Director-General, joined the group of commentator.

The "Roi Mue Sang Muang" show can be followed on Saturday and Sunday at 20.30-21.30 hr. on Modern Nine TV Channel, starting from 6 of July 2013.



"Teens Rules"

Baan Luem Organized "Kids Street Project" for Youngsters Solution.

Baan Luem Community in Nong Samrong District of Udon Thani Province initiated "Kids Street Project" to solve the issue of misbehaving teenagers, and allow them to spend their free time usefully through activities, focusing on creative exhibitions during their monthly activities. It is organized on every first Sunday of each month. The activities were scheduled and organized all year long as adapting to the local tradition. This project will be featured in "Roi Mue Sang Muang" on Sunday 20 October 2013 at 20.30-21.30 hr. on Modern Nine TV Channel.



Waste for Stuff

The people of Wat Map Ta Phut Community and Talad Map Ta Phut Community in Map Ta Phut Municipality are solving the excessive waste issue by initiating "Treasure from Map Ta Phut Trash Project", starting with developing the people to be capable of waste sorting, and turn the waste into points to be collected, and trade for stuff. The point can be collected through the year to add value into waste, reduce the quantity of waste, as well as create extra income for the communities.

"Gudhae Community" Solving Water Problems with Monkey Cheek Project to Store Water All Supply For Year Long

Gudhae Community in Muang Nong Khai Municipality in Nong Khai Province has been facing drought issue during the Hot Season and flood issue during the Rainy Season, adding more trouble to its people's lives. For that reason the community is solving the issue by "Monkey Cheek in City, Creating Lungs for Community" to manage the water containment by building barriers to prevent the banks from the erosion, and growing thatch to tighten the soil along the brook's edge; building dams; as well as replacing the old drain pipe with water gate for greater capability to release the water during the flood period and store water for agriculture in the whole year.



Welcoming the New Deputy Director - General, Mr. Sermyot Sommun



On Thursday 10th October 2013, Mr. Sermyot Sommun was designated as Deputy Director - General in Department of Environmental Quality Promotion.

In this auspicious occasion, executives, government officials and employees were gathering to congratulate him warmly.

30th Asia-Pacific Regional Scout Jamboree (30 APRSJ) and Nippon Jamboree (16 NJ)



Office of Youth Affairs and Boy Scouts, Department of Environmental Quality Promotion, qualified totally 6 scouts of Boy and Girl Scouts for Natural Resources and Environmental Conservation from schools participated in Boy Scouts for Natural Resources and Environmental Conservation Project across the nation; i.e. Wat Kaew Silaram School in Chonburi, Baan Tak Pracha Wittayakarn School in Tak, Teepangkorn Wittayaphat (Wat Sunthorn Satit) School under the Royal Patronage of HM the King in Samut Sakhon, Phuket Wittayalai School in Phuket, Wat Bawon Niwet School in Bangkok, and Wat Noi Noppakun School in Bangkok; to represent Thailand during 30th Asia-Pacific Regional Scout Jamboree (30 APRSJ) and Nippon Jamboree (16 NJ) on 1-7 August 2013 in Yamaguchi, Japan.

The objectives of this Jamboree were to provide the boy and girl scouts who were trained on natural resources and environmental conservation in their countries, to learn and share their experiences with their foreign fellow scouts; to enable them to properly apply the knowledge. They learned from this event with the situation in many countries, as well as to improve the relationship among boy and girl scouts on national, regional, and global scales under the topic of "Wa: a Spirit of Unity." It expresses unity, harmony and cooperation among the scouts regardless of differences in races, religions, languages, societies and cultures.

The activities organized during the jamboree, both inside and outside of the camp, include camp building, cooking, national art and cultural presentation, cultural exchanging, social services, adventure, more activities to create natural awareness, etc.

Joining such the jamborees was considered to be good experiences for Boy and Girl Scouts for Natural Resources and Environmental Conservation to have opportunities to globally share knowledge and attitude, along with learning how to adapt themselves to live and do activities together, and studying cultures and rules of other countries. Eventually, the knowledge and experiences obtained from this trip could be disseminated and applied in the future. The organizations of the two jamborees were also Japan's preparation to host 23rd World Scout Jamboree (23WSJ) in the year 2015. The worldwide member countries of World Organization of the Scout Movement send their representatives to live in the camp and do activities together. in order to review the rules and commitments of scouts, as well as promote the relationship among scouts on national and international scales.



Biological Research Project of Environmental Research and Training Centre

Environmental Research and Training Centre, an agency under Department of Environmental Quality Promotion, has conducted environmental research projects for the benefit of society and the nation for 21 years. The centre initiated 2 biological research projects during 2012 and 2013. Firstly, the Study of Global Climate Change and Microbial Population Dynamics in Mae Klong River Basin as the Effect of Its Pollution. The samples were collected from 3 parts of the river – river source, mid-river, and river mouth; in the provinces of Ratchaburi, Kanchanaburi, and Samut Songkhram; where the surrounding areas were used for different purposes. For example, the river source levels 1A and 1B from the division of 5 basin's levels were preserved from human activities while the mid-river areas were either agricultural, industrial, or residential areas, which contaminate the river. This study used molecular biology method for greater accuracy and coverage than those of the commonly used conventional method. The second project was the Study of Global Climate Change and Microbial Population Dynamics in Ping river basin, a national crucial basin having reached critical state of its quality and quantity. Concrete anticipated results as follows:

1. Achievement of unlearned results and knowledge with no prior research in Thailand that shows the diversity of bacterial factors; which is influential for decomposing organic substances and provide the vital driving mechanism for the circulation of nutrients to all other creatures in the food chain, including human; in the nation's important water source.
2. Contribution of basic knowledge to the planning of accurate and applicable policies.

Production

1. New technology as molecular biology method for the study of diversity of bacterial population.
2. New knowledge on unexplored species of bacteria found in both basins.
3. The authorities involved in policy setting use the information for their policy setting.
4. Academic institutions and the people involved use the knowledge for reference and further studies.

Results

1. Dissemination of new technology used for the study of relationship between bacterial population and global climate change as well as microbial population dynamics in both river basins as the effect of its pollution.
2. The knowledge obtained can be used for further researches of academic institutions and/or related agencies.

Initial Brief Study Result

1. Changes of season within a year affected the type and volume of bacterial population in the basins.
2. The effect of climate change on bacterial population cannot be concluded yet as the study of meteorology. It should be extended to at least 5 years and longer duration.
3. New types of bacteria are expected to be discovered from the studies (The samples were sent to overseas laboratories to check for DNA sequencing).



Figure 1: Collection of sediment in soil and water from water source part of basin levels 1A and 1B

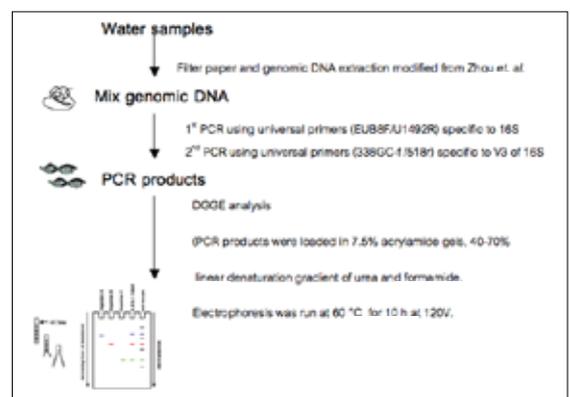


Figure 2: PCR-DGGE Technique for DNA Test



“Love Sharing... Warm Hugs from DEQP”

On 11th October 2013, staffs from Department of Environmental Quality Promotion took part in organizing the activity called “Love Sharing... Warm Hugs from DEQP” at Ramintra Children’s Home (home for the blind and multi-handicapped children) on Ramintra Road in Tah Raeng Sub-district, Bangkhen District, Bangkok. During the event, staffs provided entertainment and free snacks to the children aged 2-15 years, from nursery – grade 6. This activity is organized to encourage our people to contribute more to the society, have voluntary, and helping minds.

Following the Footstep of HM the King Seminar



On 10th October 2013, Department of Environmental Quality Promotion hosted a training called “Following the Footstep of HM the King” with Mr. Jatuporn Buruspat, Director-General of Department of Environmental Quality Promotion, chairing the project launching ceremony. In this occasion, Mr. Sakol Thinagul and Mr. Sermyot Sommun, Deputy Director-Generals, led the executives and officers of Department of Environmental Quality Promotion to participate in this seminar at the auditorium on the 4th floor of DEQP’s building. This activity aims to make the trainees realize and improve their ethics, enabling them to apply such knowledge with their daily lives and lawfully work with fairness, honesty, goal orientation, and pride of being good government officers who follow the footstep of HM the King.

Regarding the training, we invited 3 lecturers to train us in 3 following topics: 1) “Ethic Leads to Success and Happiness” by Mr. Khajadphai Buruspat, Chairman of Government Officer Development Foundation; 2) “Following the Footstep of HM the King” by M.L. Panadda Diskul, Deputy Permanent Secretary of Ministry of Interior; and 3) “Successful Work, Happy People” by Dr. Sumet Saengnimnuan, Lecturer of Graduate School, Siam University.

Big Cleaning Day : Reviving Ao Prao

Department of Environmental Quality Promotion, Ministry of Natural Resources and Environment joined Big Cleaning Day: Reviving Ao Prao Activity on Saturday 10th of August 2013 at Ao Prao area of Khao Laem Yah National Park, Samet Islands. This activity was organized by PTT Global Chemical PCL or PTTGC to restore the beauty of Ao Prao by cleaning up the beach and marine area. The fleet of people’s boats was released to collect the garbage from rocks and sea water. The marine natural resources were also revived by releasing corals to the sea. More than 2,000 people participated in this event.

Mr. Wichet Kasemthongsri, Minister of Natural Resources and Environment led the apologizing ceremony to the holy shrines and Kongkha, the goddess of water.

Mr. Anon Sirisaengtaksin, CEO of PTTGC, delivered the report on the leaked oil pipe situation in the middle of the sea of Rayong Province which could be concluded as follows: “PTTGC apologized and regreted for what just happened. Our PTTGC would turn this threat into opportunity to develop and revived Samet Islands to be beautiful and sustainable for a tourist attraction. PTTGC promised that issues like this will never be happened in the future and would seriously support the restoration of natural resources.



Staffs from DEQP and 120 people from Rayong Province’s Natural Resources and Environmental Volunteer Network (NEV-NET) comprising NEV-NET members from Muang District, Klaeng District, Baan Kai District, Baan Chang District, and Nikom Pattana District participated in beach cleaning activity by collecting garbage and use special film to absorb the oil from the beach, taking part in helping the natural resources and environment return to its abundance and normal condition like before.

United Laan Tak Fah Brings Back Clear Water & Beautiful Canals

In accordance with Her Royal Highness Princess Srirasmi, the Royal Consort to the Crown Prince Maha Vajiralongkorn, the reviving activity and developing canals in the area of Laan Tak Fah Sub-district of Nakornchaisri District, Nakornpathom Province, was organized on Rivers & Canals Conservation & Development Day on 21st of September 2013 to encourage the people's participation and awareness of the importance caring. Reviving and developing rivers and canals conditions, they included the solving environmental quality issues, career development issue, and water drainage issue. In this occasion, Department of Environmental Quality Promotion was the main agency to gather and summarize the information from communities in Laan Tak Fah for communities development plans and an integration with related agencies.



Glaciers at risk



The watersheds of the world are shrinking

Glaciers are ancient rivers of compressed snow that creep through the landscape, shaping the planet's surface. They are the Earth's largest freshwater reservoir, collectively covering an area the size of South America.

Glaciers have been retreating worldwide since the end of the Little Ice Age (around 1850), but in recent decades glaciers have begun melting at rates that cannot be explained by historical trends. Projected climate change over the next century will further increase the rate at which glaciers melt. Average global temperatures are expected to rise between 1.4 and 5.8°C by the end of the 21st century.

Simulations project that a 4°C rise in temperature would cause nearly all of the world's glaciers to melt. For example, the meltdown of the Greenland ice sheet could be triggered at a temperature increase of 2-3°C. Even in the least damaging scenario, say a 1°C rise along with an increase in rain and snow, glaciers will continue to lose volume over the coming century.

The importance of glaciers for human populations and ecosystems

Although only a small fraction of the planet's permanent ice is stored outside of Greenland and Antarctica, these glaciers are extremely important because they are particularly susceptible to climate change and their loss directly affects human populations and ecosystems.

Continued and widespread melting of glaciers during this century will lead to floods and water shortages for millions of people. As sea levels rise, coastal communities and habitats will be destroyed.

Fast facts - Glacier retreat in all continents

Nearly all glaciers surveyed in Alaska are melting. Thinning rates in the last 5 to 7 years are more than twice those seen in previous years. Half of the water flowing into the oceans, globally, due to melting glaciers, is a result of melting in Alaska.

The northern Andes contain the largest concentration of glaciers in the tropics, but these glaciers are receding rapidly and losses accelerated during the 1990s.

Glacier melting has accelerated in the European Alps since 1980, and 10 to 20% of glacier ice in the Alps was lost in less than two decades. Half the volume of Europe's Alpine glaciers has disappeared since 1850. By the end of this century, half of those left will have gone as well.

Tropical glaciers in Africa have decreased in area by 60% to 70% on average since the early 1900s.

The vast majority of all Himalayan glaciers have been retreating and thinning over the past 30 years, with accelerated losses over the last decade.

The tropical glaciers in the Pacific have retreated, although in New Zealand some glaciers grew due to increased precipitation.

Arctic glaciers have been receding, with the exception of Scandinavia and Iceland where increase in precipitation resulted in glacier growth. Greenland alone contains 12% of the world's ice; entire portions of the Greenland ice sheet appear to be sliding towards the sea.

In the centre of Antarctica is currently cooling so it won't be melting soon. However, coastal glaciers and ice sheets in the Antarctic are melting. The melting of ice sheets and ice shelves that sit on top of land will result in higher sea levels.

More information

UNEP: Global Glacier Changes: facts and figures
 NASA: Glaciers, Climate Change, and Sea-Level Rise Extreme Ice Survey
 COP15: New alarming trend in glacier melt down

Thai Environment Day and National Day of Natural Resources and Environmental Volunteer Network

On December 4th of every year, Department of Environmental Quality Promotion organizes the event for Thai Environment Day and National Day of Natural Resources and Environmental Volunteer Network to show our appreciation for HM the King's royal grace, as the father of natural resources and environmental conservation, and encourage the people's continual participation in natural resources and environmental management.



Thailand EE Award is the award given to honor individuals, agencies, organizations or communities which have continually contributed themselves to environmental education, leading to natural resources and environmental preservation on the idea of sustainable development. Department of Environmental Quality Promotion hosted the award ceremony on 4th December 2013.

Environmental - Friendly Production (OTOP)

Mr. Sakol Thinagul, Duputy Director - General of DEQP chaired the meeting of Criteria Development Committee, Monitoring & Evaluation on Environmental - Friendly Production; Community Enterprise Product Type (OTOP) on 15th October 2013.

The objectives were 1. To link it with OTOP Standard 2. To monitor, evaluate and approve the enterprises and 3. To promote environmental - friendly production on OTOP.

Guided by Pilot Plant Development and Training Institute, King Mongkut's University of Technology Thonburi.



"Green Heart" Logo Design Contest Project

Department of Environmental Quality Promotion organized the award presentation ceremony of "Green Heart" Logo Design Contest Project on 4th December 2013. In this occasion, the prize of 50,000 baht cash and a certificate was awarded to the winner to create uniqueness for projects related to natural resources and environmental conservation.

Editorial Board

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- Mr. Saphakarn Srisamran
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Department of Environmental Quality Promotion,
Ministry of Natural Resources and Environment
49 Rama VI Soi 30, Rama VI Road, Bangkok
10400 Thailand
Telephone/Facsimile +66 2298-5646
www.deqp.go.th
E-mail: interdeqp@gmail.com

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ONPA Co., Ltd.
111/1 Navasorn Building, Rama III Rd.,
Bangkoleam, Bangkok 10120, Thailand
Telephone +66 2689-2888
+66 2689-2999



Department of Environmental Quality Promotion
Ministry of Natural Resources and Environment
49 Rama VI Soi 30, Rama VI Road, Bangkok 10400 Thailand.



ชำระค่าฝากส่งเป็นรายเดือน
ใบอนุญาตเลขที่ 17/2535
ปทจ. สามเสนใน

เหตุขัดข้องที่นำจ่ายผู้รับไม่ได้

- 1. จำนวนไม่ชัดเจน
- 2. ไม่มีเลขที่บ้านตามจำนวน
- 3. ไม่ยอมรับ
- 4. ไม่มีผู้รับตามจำนวน
- 5. ไม่มารับภายในกำหนด
- 6. เลิกกิจการ
- 7. ย้ายไม่ทราบที่อยู่ใหม่
- 8. อื่นๆ

ลงชื่อ.....

Reminder: The first step of waste prevention has been overshadowed by a focus on recycling. Please help to promote a greater awareness of the importance of the "Reduce" part of the Reduce-Reuse-Recycle mantra.