



## ROLE OF SWAT IN WATERSHED MANAGEMENT PLANNING AND EVALUATION

### 3<sup>RD</sup> SWAT (SOIL AND WATER ASSESSMENT TOOL) WORKSHOP & CONFERENCE



IN SOUTH EAST & EAST ASIA (SWAT SEEA III)

Jakarta & Bogor, Indonesia, June 16-22, 2013



LANDCON 1306

<http://swat.tamu.edu/conferences/2013-seea/>



### FINAL ANNOUNCEMENT

3<sup>rd</sup> SWAT Workshop and Conference in South East and East Asia (SWAT SEEA III), Bogor, Indonesia

"In commemoration of the World Day to Combat Desertification 2013", June 16-22, 2013

**VENUE:** ICC (IPB International Convention Center), Botany Square, Jl Raya Padjadjaran, City of Bogor

<http://ipbicc.com/aboutus>

**HOSTS:** Ministry of Forestry of the Republic of Indonesia and Bogor Agricultural University (IPB)

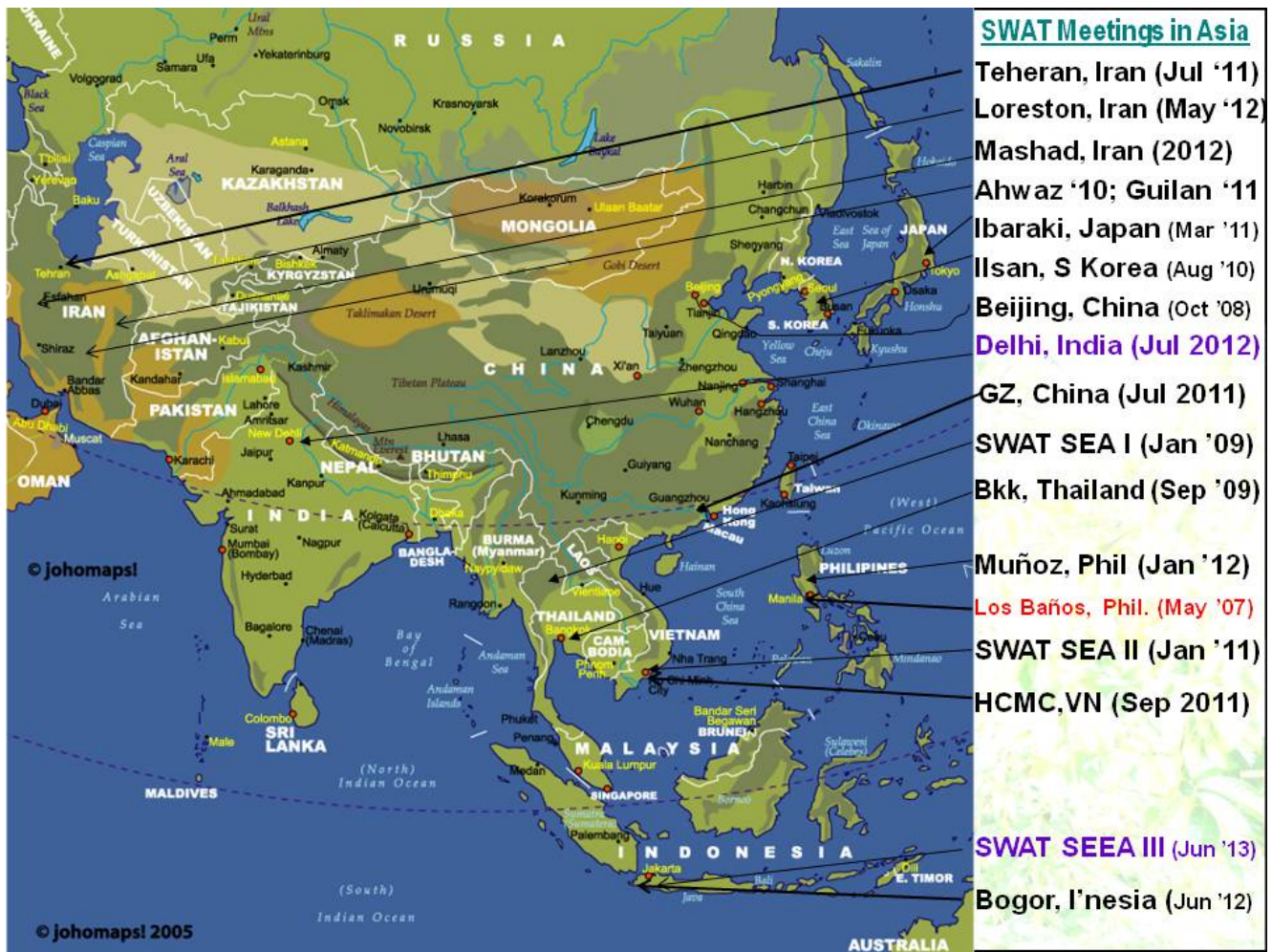
**This conference is supported by USAID, SANREM, NCA&TSU, World Association of Soil and Water Conservation (WASWAC), USDA-ARS, Texas A&M, and many other local and int'l organizations.**



The Soil and Water Assessment Tool (SWAT) is a public domain model jointly developed by USDA Agricultural Research Service (USDA-ARS) and Texas AgriLife Research, part of The Texas A&M University System (TAMUS). SWAT is a river basin-scale model to simulate the quality and quantity of surface and ground water and predict the environmental impact of land management practices on different soil patterns and land use patterns. SWAT is widely used in assessing soil erosion prevention and control practices, non-point source pollution control methods and regional management in watersheds.

**'SWAT Workshop and Conference'** has been organized successfully in many countries in the past decade (see the diagram next page). NCA&TSU has been maintaining a strong link in holding such activities in South East and East Asia (SEEA) region from 2007-2013.





WASWAC has since 2011 joined forces with the SWAT Team of Texas in spreading the use of SWAT model to more areas that need such technology, by operating in a form that suits their local conditions. This time WASWAC is coordinating with institutions inside and outside Indonesia to organize the 3<sup>rd</sup> SWAT Workshop and Conference for South East and East Asia (SWAT SEEA III). **We invite all interested persons to attend.**

SWAT model has been popular due to the fact that the model is in the public domain and has ability to simulate a watershed of any size, from a few ha to a large continent. Therefore there is a substantial demand from scientific communities to learn about its application in various conditions. The Ministry of Forestry of the Republic of Indonesia and the Bogor Agricultural University – with support from the Texas SWAT team, NCA&TSU and WASWAC – are going to organize the SWAT SEEA III in Bogor, Indonesia, from June 17-22, 2013. The event will start with the opening ceremony of the World Day to Combat Desertification, followed with a 2-day conference in Bogor that includes a workshop for beginners and advanced participants, and end with a 2-day excursion to nearby areas where SWAT is being used for studying a watershed – plus a few places to experience the landscape of West Java Province.

The meeting has been registered as **LANDCON 1306** by WASWAC as the organizing will follow the direction indicated in the *Guidelines for Successful Meetings* (2009)  
<http://waswac.soil.gd.cn/consti-decentra.html>.

**[Please write to [sombatpanit@gmail.com](mailto:sombatpanit@gmail.com) for the detailed program.]**





## PROGRAM

**June 16, 2013**, Arrival, all participants transfer to Bogor.

**June 17**, morning: Participants attend the Celebration of the World Day to Combat Desertification 2013.

**June 17**, afternoon: Visit to the Presidential Palace and Royal Botanical Garden in Bogor  
Evening: Workshop Day-1

**June 18-19: 3th SWAT Workshop and Conference for South East and East Asia (SWAT SEEA III)**. Workshop that include training and discussions in various issues will take place during the evenings of 17, 18, 19 June from 19.00-22.00 hrs.

**June 20**: Visit National Monument and Miniature Indonesia etc. in Jakarta

**June 21**: Visit Safari Park and Gede Pangrango Mountain National Park.

**June 22, 2013**: Departure

[Please write to [sombatpanit@gmail.com](mailto:sombatpanit@gmail.com) for the detailed program.]



**Kebun Raya** (Bogor Botanical Garden) is a gem of Bogor and perhaps of Indonesia as a whole. It is a must-see place for every visitor to Bogor. It houses a palace built since the Dutch period. Among thousands of tropical plants there grow a few plants called Bunga Bangkai (*Amorphophyllus* spp.), which means 'flower with the smell of a dead human'. The height of the flower is about one meter. One flower due to open in a few days was fenced off at a distance of several meters from visitors. (June 30, 2012)

## **MEETING VENUE - ACCOMMODATION**

Accommodation in Bogor will be at a hotel close to the International Convention Center <http://ipbicc.com/aboutus> of the Bogor Agricultural University where the 2-day workshop and conference will take place. Information about accommodation will be announced later.

## **PERSONS TO CONTACT:**

You may Contact **Dr. Syaiful Anwar** ([syaifula09@gmail.com](mailto:syaifula09@gmail.com), Phones: +62-(0)215730151, +62-(0)811900316) as well as other 5 following co-chairs:

- **Prof. Kukuh Murti Laksono**, Department of Soil Science, Bogor Agricultural University, Bogor, Indonesia, **Co-chair** [murti laksono@yahoo.com](mailto:murti laksono@yahoo.com)
- **Prof. Naik Sinukaban**, Indonesian Soil and Water Conservation Society, Bogor, Indonesia, **Co-chair** [naik\\_sinukaban2003@yahoo.com](mailto:naik_sinukaban2003@yahoo.com), [ns\\_kaban@yahoo.com](mailto:ns_kaban@yahoo.com)
- **Dr. Philip Gassman**, Iowa State University, USA, **Co-chair** [pwgassma@iastate.edu](mailto:pwgassma@iastate.edu)
- **Dr. Manuel Reyes**, North Carolina Agricultural & Technical State University, USA, **Co-chair** [mannyreyes@nc.rr.com](mailto:mannyreyes@nc.rr.com)
- **Dr. Samran Sombatpanit**, WASWAC Advisor & Past President, Bangkok, Thailand, **Co-chair** [sombatpanit@gmail.com](mailto:sombatpanit@gmail.com)

## **COOPERATING INSTITUTIONS**

- Ministry of Forestry of the Republic of Indonesia – Directorate of Watershed Management Planning & Evaluation, Jakarta, Indonesia (**Host**)
- Bogor Agricultural University (Institut Pertanian Bogor), Bogor (**Host**)
- Indonesian Soil Research Institute, Ministry of Agriculture, Bogor, Indonesia
- SCBFWM (Strengthening Community based Forest and Watershed Management) Program, Ministry of Forestry of the Republic of Indonesia
- Soil and Water Conservation Society of Indonesia, Bogor, Indonesia
- Mariano Marcos State University, Batac City, the Philippines
- University of the Philippines Los Baños, the Philippines
- Central Luzon State University, Muñoz, the Philippines
- Nong Lam University, Ho Chi Minh City, Vietnam
- Mekong River Commission, Phnom Penh, Cambodia
- Beijing Normal University, Beijing, China
- Institute of Soil and Water Conservation, Yangling, Shaanxi, China
- Northwest Agricultural and Forestry University, Yangling, Shaanxi, China
- Guangdong Institute of Eco-Environmental and Soil Sciences (GIEESS), Guangzhou, China
- International Research and Training Center on Erosion and Sedimentation - IRTCES, Beijing, China
- Chinese Society of Agricultural Engineering, Beijing, China
- Tarbiat Modares University, Noor, Iran
- Bu-Ali Sina University, Hamadan, Iran
- Isfahan University of Technology, Isfahan, Iran
- Department of Water Resources, Ministry of Natural Resources & Environment, Bangkok, Thailand
- Land Development Department, Bangkok, Thailand
- Kasetsart University, Bangkok, Thailand
- North Carolina Agricultural and Technical State University (NCA&TSU), Greenboro, NC, USA
- North Carolina State University, NC, USA
- Iowa State University, Iowa, USA
- Agricultural Research Service, USDA, USA
- Texas A&M University System (TAMUS), Texas, USA
- World Association of Soil and Water Conservation, Beijing, China

## **SCIENTIFIC COMMITTEE**

- Karim Abbaspour (EAWAG, Switzerland)
- Fahmuddin Agus (Indonesian Soil Research Institute, Bogor, Indonesia)
- Samira Akhavan (Bu-Ali Sina University, Hamadan, Iran)
- Nathaniel Alibuyog (Mariano Marcos State University, Batac City, the Philippines)
- Somchai Anusontpornperm (Kasetsart University, Thailand)
- Jeff Arnold (USDA-ARS, USA)
- Constancio A. Asis, Jr. (Philippine Rice Research Institute – PHILRICE, the Philippines)



- Bui Cach Tuyen (Vietnam Environment Administration, Vietnam)
- Il Moon Chung (Korea Institute of Construction Technology, Republic of Korea)
- Patrick Debels (Environmental Consultant, USA)
- Theo Dillaha (Virginia Tech, USA)
- Kyle Douglas-Mankin (Kansas State University, USA)
- Victor Ella (University of the Philippines Los Baños, the Philippines)
- Monireh Faramarzi (IUT, Isfahan, Iran)
- Philip Gassman (Iowa State University, USA)
- Ashwin K. Gosain (Indian Institute of Technology, India)
- Anthony Green (Mekong River Commission, Phnom Penh, Cambodia)
- Ha Van Hanh (Hue University of Sciences, Vietnam)
- Fanhua Hao (Beijing Normal University, China)
- Ho Dinh Duan (Hue Institute of Natural Resources, Environment & Sustainable Development, Vietnam)
- Maria Victoria Ortega-Espaldon (UPLB, Los Baños, the Philippines)
- Huang Feng (China Agricultural University, Beijing, China)
- Manoj K. Jha (Iowa State University, USA)
- Greg Jennings (North Carolina State University, USA)
- Attachai Jintrawet (Chiang Mai University, Thailand)
- Karika Kunta (Land Development Department, Thailand)
- Le Due Trung (Vietnam National Mekong Committee, Vietnam)
- Pedro Cham bel Leitao (IST-MARETEC, Portugal)
- Li Dingqiang (Guangdong Institute of Eco-Environmental and Soil Sciences, Guangzhou, China)
- Li Rui (World Association of Soil and Water Conservation, Beijing, China)
- Loi Nguyen Kim (Nong Lam University, Ho Chi Minh City, Vietnam)
- Machito Mihara (Tokyo University of Agriculture, Tokyo, Japan)
- Nguyen Hieu Trung (Can Tho University, Vietnam)
- Nguyen Ngoc Thach (Natural Sciences University, Hanoi, Vietnam)
- Nguyen Thi Hong (Hanoi University of Science, Hanoi, Vietnam)
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- Nuanchan Singkran (Pollution Control Department, Bangkok, Thailand)
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- Raghavan Srinivasan (Texas A&M University, USA)
- Chinapatana Sukviboon (Land Development Department, Thailand)
- Wanraya Suthumchai (Land Development Department, Thailand)
- Jaruporn Tosang (Land Development Department, Thailand)
- Trinh Truong Giang (Nong Lam University, Ho Chi Minh City, Vietnam)
- Nipon Tangtham (Kasetsart University, Thailand)
- Truong Phuoc Minh (The University of Da Nang, Vietnam)
- Khamphachanh Vongsana (Ministry of Agriculture and Forestry, Laos)
- Vo Quang Minh (Can Tho University, Vietnam)
- Susan Wang (Texas A&M University, USA)
- Winai Wangpimool (Department of Water Resources, Bangkok, Thailand)
- Wang Yingkuan (Chinese Academy of Agricultural Engineering & Chinese Society of Agric. Engineering) Beijing, China
- Brett Watson (University of Saskatchewan, Canada)
- HajahSuria Zanuddin (Department of Agriculture, Brunei Darussalam)



## **ORGANIZING COMMITTEE**

- Syaiful Anwar, Deputy Director for Watershed Management Planning, Ministry of Forestry, Republic of Indonesia, **Co-chair** [syaifula09@gmail.com](mailto:syaifula09@gmail.com)
- Kuku Murtalaksono, Department of Soil Science, Bogor Agricultural University, Bogor, Indonesia, **Co-chair** [murtalaksono@yahoo.com](mailto:murtalaksono@yahoo.com)
- Naik Sinukaban, Indonesian Soil and Water Conservation Society, Bogor, Indonesia, **Co-chair** [naik\\_sinukaban2003@yahoo.com](mailto:naik_sinukaban2003@yahoo.com), [ns\\_kaban@yahoo.com](mailto:ns_kaban@yahoo.com)
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- Manuel Reyes, North Carolina Agricultural & Technical State University, USA, **Co-chair** [mannyreyes@nc.rr.com](mailto:mannyreyes@nc.rr.com)
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- Syarifah Iis Aisyah, Faculty of Agriculture, Bogor University of Agriculture, Bogor, Indonesia [syarifahis@yahoo.com](mailto:syarifahis@yahoo.com)



## **TECHNICAL PROGRAM FOR SWAT CONFERENCE**

**June 17, 18 and 19, 2013:** Approximately 3 hours will be spent for the workshop in each evening. More details, especially the subject matters, will be presented in the Final Announcement.

**June 18-19, 2013:** The main theme of the SWAT SEEA III Conference is:

### **ROLE OF SWAT IN WATERSHED MANAGEMENT PLANNING AND EVALUATION**

Papers related to the theme and those belonging to the following subjects are welcome:

**• Large-scale Applications • Climate Change Applications • Sensitivity Calibration and Uncertainty • Plant Growth • Environmental Applications • BMPs • Hydrology • Sediment, Nutrients, and Carbon • Pesticides, Bacteria, Metals, and Pharmaceuticals • Database and GIS Application and Development • Urban Processes and Management • Landscape Processes and Landscape I River Continuum • InStream Sediment and Pollutant Transport • Other agendas, e.g. SWAT School and SWAT Network concepts**

## **IMPORTANT DATES**

- Abstract submission: All interested persons are invited to submit your abstracts **NOW**.
- Deadline for abstract submission: **May 21, 2013**
- Deadline for the payment of registration fees: **May 31, 2013**
- SWAT Workshop & Conference, Bogor, Indonesia: **June 16-22, 2013**

## **Information about the WORKSHOP**

The workshop will deal with basic and advanced SWAT. For attending the workshop, which will take place during evening hours of June 17, June 18 and June 19, each participant is asked to bring a sufficiently modern laptop in good working condition. The organizers will advise about its specifications in due time.

## **Information about the ABSTRACT to submit**

The abstract will be prepared in a conventional way, with title, authors, affiliations & email of contact author, and should be submitted by **May 21, 2013**. The length of it should be between 250-300 words, with up to 5 keywords. It is to submit online at: <http://swat.tamu.edu/conferences/2013-seea/>. For more information please contact Dr. Phillip Gassman [pwgassma@iastate.edu](mailto:pwgassma@iastate.edu), Dr. Syaiful Anwar [syaifula09@gmail.com](mailto:syaifula09@gmail.com) or Dr. Samran Sombatpanit [sombatpanit@gmail.com](mailto:sombatpanit@gmail.com). All accepted abstracts will be published in the Program and Abstracts book to distribute at the conference.

The format of the full papers that will be ultimately included in the conference proceedings is given in the Call for Papers subsection on the conference websites. **Full papers are not required for the conference presenters.** Authors are also invited to submit their papers for a special issue of the International Journal of Agricultural & Biological Engineering (IJABE). More information will be provided at the conference about the special issue.

**REGISTRATION FEE** With substantial support from the Indonesian Government, the registration fee for the entire event from June 16-22, 2013 (except the workshop) has been modestly set at **US\$300**. For international students with letters from institutions, it is **US\$150**. Additional fee for participants who want to attend the workshop: **US\$100**; international students: **US\$50**. Participants will be provided with all necessary software. International and local participants should contact Dr. Syaiful Anwar [syaifula09@gmail.com](mailto:syaifula09@gmail.com) or any co-chair shown below for details. **NOTE: Hotel fee in Bogor is to be paid by the participants.**

## **Information about the REGISTRATION FEES**

- I. The registration fee for workshop and conference participants includes the Program & Abstracts book, workshop/conference attendance, DVD or flash drive containing the abstracts, MapWindows and OpenSWAT software, lunches and coffee breaks for June 18-19, 2013, and excursion on June 20-21, 2013 (day trip, returning back to the hotel each evening).
- II. You can register online at: <https://ssl-pay.tamu.edu/conferences/swat/swat-seea-iii.aspx>
- III. After the deadline (**May 31, 2013**) the registration fee will be US\$50 higher per person.
- IV. **The registration fees can be paid by the following ways:**
  - **By credit card** (Visa, MasterCard) when registering online. Write to Jaclyn Tech of Texas AgriLife at [jbtech@ag.tamu.edu](mailto:jbtech@ag.tamu.edu).
  - **By bank transfer.** For bank account information and payment details please contact:
    - International participants: Jaclyn Tech at [jbtech@ag.tamu.edu](mailto:jbtech@ag.tamu.edu)
    - Local participants: Dr. Syaiful Anwar at [syaifula09@gmail.com](mailto:syaifula09@gmail.com)
- V. For more information please contact Dr. Syaiful Anwar or any co-chair:
  - **Dr. Syaiful Anwar** ([syaifula09@gmail.com](mailto:syaifula09@gmail.com), Phones: +62-(0)215730151, +62-(0)811900316) as well as other co-chairs:
  - **Prof. Kukuh Murti Laksono**, Department of Soil Science, Bogor Agricultural University, Bogor, Indonesia, **Co-chair** [murti laksono@yahoo.com](mailto:murti laksono@yahoo.com)
  - **Prof. Naik Sinukaban**, Indonesian Soil and Water Conservation Society, Bogor, Indonesia, **Co-chair** [naik\\_sinukaban2003@yahoo.com](mailto:naik_sinukaban2003@yahoo.com), [ns\\_kaban@yahoo.com](mailto:ns_kaban@yahoo.com)
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  - **Dr. Manuel Reyes**, North Carolina Agricultural & Technical State University, USA, **Co-chair** [mannyreyes@nc.rr.com](mailto:mannyreyes@nc.rr.com)
  - **Dr. Samran Sombatpanit**, WASWAC Advisor & Past President, Bangkok, Thailand, **Co-chair** [sombatpanit@gmail.com](mailto:sombatpanit@gmail.com)

## Websites of SWAT and WASWAC

- MAIN SWAT WEBSITE: <http://swatmodel.tamu.edu/>. This WS has announcement of all upcoming conferences and workshops and all other items needed for running SWAT models.
- SWAT USER WEBSITE: <http://groups.google.com/group/swatuser?pli=1> This WS is for discussing among SWAT users. You can also join; it is useful.
- SWAT (Soil & Water Assessment Tool) Network Facebook WEBSITE: <http://www.facebook.com/home.php#!/pages/SWAT-Soil-Water-Assessment-Tool-Network/137912712939500>
- SWAT Network of Thailand Facebook WEBSITE: <http://www.facebook.com/pages/SWAT-Network-of-Thailand-%E0%B9%80%E0%B8%82%E0%B8%B5%E0%B8%A2%E0%B8%99%E0%B8%A0%E0%B8%B2%E0%B8%A9%E0%B8%B2%E0%B9%84%E0%B8%97%E0%B8%A2%E0%B9%84%E0%B8%94%E0%B9%89%E0%B8%84%E0%B8%A3%E0%B8%B1%E0%B8%9A/122568534483823>
- SWAT Network of the Philippines Facebook WEBSITE <http://www.facebook.com#!/groups/223639811016379/>
- SWAT Network of Vietnam Facebook WEBSITE <http://www.facebook.com#!/pages/SWAT-Network-of-Vietnam/271395266221802>
- SwatLectures YouTube WEBSITE: <http://www.youtube.com/SwatLectures>
- WASWAC MAIN WEBSITE: <http://www.waswac.org/>
- WASWAC another WEBSITE: <http://waswac.soil.gd.cn/>
- WASWAC Facebook WEBSITE: <http://www.facebook.com#!/pages/World-Association-of-Soil-and-Water-Conservation/187062347982860>
- WASWAC photo WEBSITES: <http://community.webshots.com/user/waswc> & <http://community.webshots.com/user/waswc1>
- FACEBOOK Learn English: <http://www.facebook.com#!/samran.sombatpanit>

**LET'S CREATE MANY MORE SWAT NETWORKS FOR SUCCESSFUL AND TIMELY  
CONSERVATION OF OUR NATURAL RESOURCES**

