

A high-speed photograph of a water droplet falling into a pool of water. The droplet is captured mid-fall, just above the point of impact, creating a clear, elongated shape. Below the droplet, a series of concentric ripples spread out across the surface of the water. The background is a soft, out-of-focus blue, suggesting a sky or a large body of water.

# 2010 INTERNATIONAL SWAT CONFERENCE

August 4-6  
Seoul, Korea

# 2010 International SWAT Conference

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- 130 Registered Participants
- 120 Workshop Attendance
  - Intro/Advanced SWAT
- 30+ International Participants
- 70+ paper and poster presentations
- Video streaming the presentations through SWAT website

## 2010-2011 Plans for tools, technology, databases related to SWAT

- ArcSWAT 2009 for ArcGIS 9.3 released
- ArcAPEX interface for ArcGIS 9.3 released
  - Now APEX and SWAT can be used as an integrated hybrid modeling system seamlessly
- ArcSWAT will be only in ArcGIS 9.3 or above.
- Tool to ingest NEXRAD data into ArcSWAT/ArcAPEX - Spring 2010
- Tool to interpolate point daily rainfall data into ArcSWAT/ArcAPEX -Spring 2010

# Plans continued

- Mapwindow – SWAT or Open SWAT in EPA BASINS 4.0 – 2010
- Develop CUP (calibration and uncertainty) programs for APEX – 2011 (Karim, EAWAG)
- Develop SWAT-CUP for scenario uncertainty analysis (Karim, EAWAG)
- Develop SWAT-CUP sensitivity analysis (Karim, EAWAG)
- Develop scenario tools to simulate various conservation practices or BMPs
- Recently obtained world wide climatic database at 1 x 1 degree for all weather variables and develop weather generator coefficients
- Make world wide weather data available through SWAT website by stations/watershed in the ArcSWAT format
- Linking of models (SWAT-Modflow, SWAT-SWIMM, SWAT-WASP, SWAT-CE-QUAL-W2)

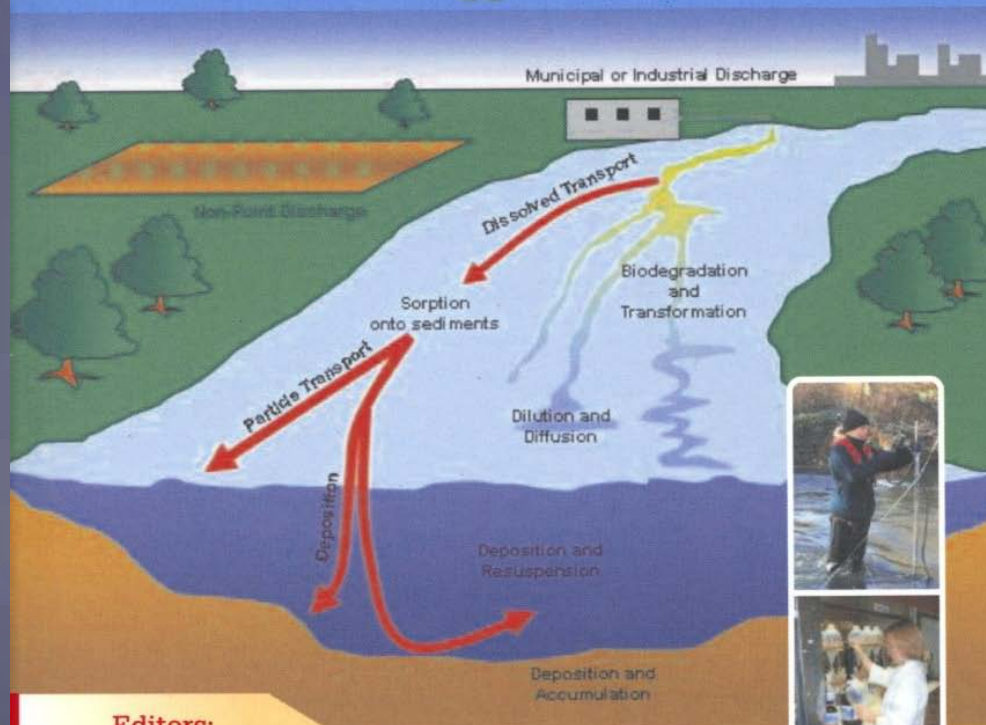
# Publications

- Review of SWAT Model and its application – published in ASABE (thanks to Dr. Phil Gassman) – more than 300 peer reviewed articles were referenced (today it is more than 673 peer reviewed articles)
- Dr. Phil wrote a similar article for the APEX Model (available on the website)
- Currently refereed SWAT Model related publications are reaching about 100 per year by our Worldwide SWAT User/Developer Community
- Boulder Conference paper collection will be published as special edition publication by ASABE journal
- ASABE has agreed to publish similar special edition from our 2010 Korea conference





# Soil and Water Assessment Tool (SWAT) Global Applications



## Editors:

Jeff Arnold

Raghavan Srinivasan

Susan Neitsch

Chris George

Karim Abbaspour

Philip Gassman

Fang Hua Hao

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Patrick Debels

Nam Won Kim

Hiroaki Somura

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Attachai Jintrawet

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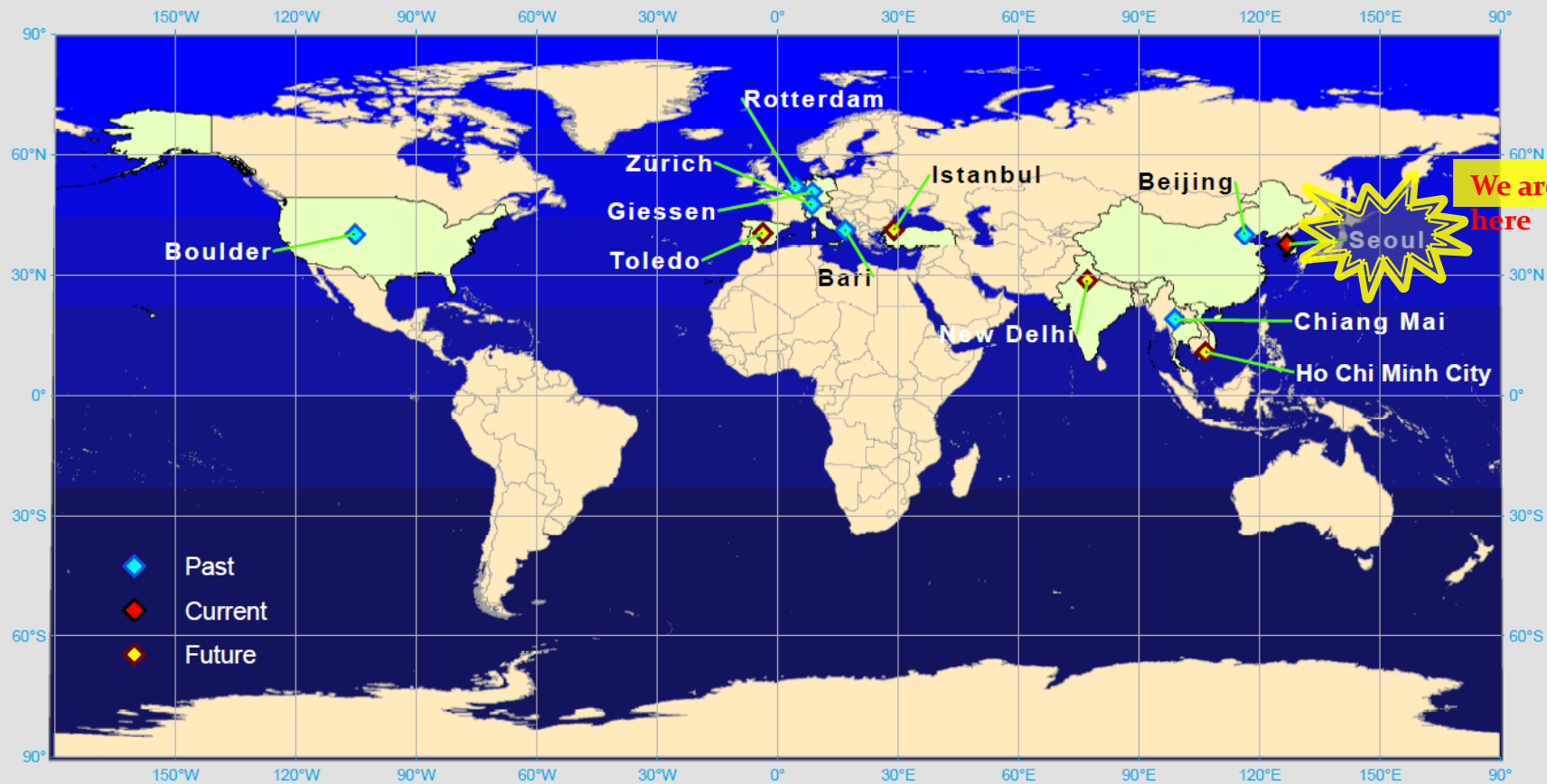
Samran Sombatpanit

# BMP Guide

## Conservation Practice Modeling Guide for SWAT and APEX



*David Waidler, Mike White, Evelyn Steglich  
Susan Wang, Jimmy Williams, C. A. Jones, R. Srinivasan*



## Past, Current and Future SWAT User Conferences

Robinson Projection  
Central Meridian: 0.00



# SWAT 2011 Conference

## Second International SWAT-SEA Workshop and Conference (SWAT-SEA II, a LANDCON 1101 Meeting)

January 4-7, 2011

Ho Chi Minh City (former Saigon), Vietnam

The Second International Conference on the **Soil and Water Assessment Tool - Southeast Asia** (SWAT-SEA) is scheduled to take place in Ho Chi Minh City, Vietnam, January 4-7, 2011. SWAT-SEA 2011 is being organized by [Nong Lam University – Ho Chi Minh City, Vietnam](http://www.nonglam.edu.vn) and [North Carolina Agricultural and Technical State University, USA](http://www.ncsu.edu). Additional information about the conference is available at <http://ssc.hcmuaf.edu.vn>. This conference is supported by USAID-SANREM, the World Association of Soil and Water Conservation, USDA-ARS, Texas A&M and many other organizations.

For more information please contact:

Dr. Nguyen Kim Loi, Conference Co-Chair, Nong Lam University – Ho Chi Minh City – Vietnam (email: [nguyenkimloi@yahoo.com](mailto:nguyenkimloi@yahoo.com) or [nguyenkimloi@gmail.com](mailto:nguyenkimloi@gmail.com))

Dr. Manuel Reyes, Conference Co-Chair, North Carolina A&T State University, USA (email: [mannvreyes@nc.rr.com](mailto:mannvreyes@nc.rr.com) or [reyes@ncat.edu](mailto:reyes@ncat.edu))

The first **SWAT-SEA Conference** was successfully held in [Chiang Mai, Thailand in January 5-8, 2009](http://www.ssc.hcmuaf.edu.vn). **SWAT** is a leading water quality watershed model being used worldwide. SWAT-SEA II is expected to bring together about 200 people from SEA region and around the world representing academic, government, non-governmental organizations, and private industry. A SWAT-SEA Workshop on January 4-5, 2011 and a SWAT-SEA Conference on January 6-7, 2011, Ho Chi Minh City (formerly Saigon), Vietnam are scheduled.

The SWAT-SEA II Scientific and Organizing Committee are:

Jeff Arnold (USDA-ARS, USA), Patrick Debels (Environmental Consultant - Soresma, Belgium), Theo Dillaha (Virginia Tech, USA), Victor Ella (University of the Philippines at Los Banos, Philippines), Trinh Truong Giang (Nong Lam University, Ho Chi Minh City, Vietnam), Ashvin Gosain (Indian Institute of Technology, Delhi, India), Attachai Jintrawet (Chiang Mai, Thailand), Fanhua Hao (Beijing Normal University, China), Manoj K. Jha (Iowa State University, USA), Loi Nguyen Kim (Nong Lam University, Ho Chi Minh City, Vietnam), Mahmud Raimadoya (Bogor Agricultural University, Indonesia), Manuel Reyes (North Carolina A&T State University, USA), Hiroaki Somura (Shimane University, Japan), Raghavan Srinivasan (Texas A&M University, USA), Samran Sombatpanit (World Association of Soil and Water Conservation), Brett Watson (University of Saskatchewan, Canada), Gebhard Schuler (Research Institute for Forest Ecology and Forestry Rheinland-Pfalz, Germany), Do Trung Binh (Institute of Agricultural Science for Southern Vietnam), Vo Quang Minh (Can Tho University, Vietnam), Rajendra Shrestha (Asian Institute of Technology, Thailand), Kobkiat Pongput (Kasetsart University, Thailand) and Sakda Sukviboon (Land Development Department, Thailand)



# SWAT 2011 Conference

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- Toledo, Spain
- Jose Maria Bodoque  
Universidad de Castilla La Mancha

# Enjoy the Conference!

- Thanks to Dr. Nam-Won Kim, KICT