



Mahidol University  
Faculty of Medicine  
Ramathibodi Hospital



# Applying System Dynamics Modeling and Group Model Building in the Evaluation of Tobacco and Alcohol Control Programs in Thailand: A Capacity Building Program

19 - 23 February, 2018  
AETAS Lumpini Hotel, Bangkok, Thailand

## Specific aims:

The present capacity building program aims to utilize a whole-systems approach and systems thinking tools to help researchers, evaluators, policymakers and stakeholders of ThaiHealth to identify existing gaps in Thailand's health systems that could have created a more cost-effective planning, monitoring and evaluation of ThaiHealth's tobacco and alcohol control programs. Drawing on resource persons from both domestic and international academic institutions, this capacity building program has three specific aims, including:

1. To introduce systems thinking and system dynamics modeling (SD) to researchers, policymakers and stakeholders of ThaiHealth.
2. To introduce the concepts of group model building (GMB) and to overview the roles of GMB in conducting a system dynamics modeling in the health systems contexts.
3. To build a capacity of domestic researchers on how use GMB in conducting a system dynamics modeling in the contexts of assessing and evaluating tobacco and alcohol control programs.

## Agenda of the conference/workshop:

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|------------------|--|
| <b>Feb 19</b>    | Overview of system dynamics in the contexts of health policy process |
| <b>Feb 20-21</b> | Hand-on exercises on group model building                            |
| <b>Feb 22-23</b> | Hand-on workshop on system dynamics modeling                         |

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## Invited Speakers



**Dr. Ignacio J. Martinez-Moyano, PhD**

Computational Social Scientist, Argonne National Laboratory Senior Fellow, Computation Institute, University of Chicago Lecturer, Graham School, University of Chicago President (2018), System Dynamics Society Editor, Notes and Insights, System Dynamics Review



**Dr. David Bruce Matchar, MD, FACP,**

Professor & Director  
Health Services & Systems Research Programme,  
Duke-NUS Medical School



**Dr. John Pastor Anisah, PhD**

Research Assistant Professor  
Health Services and Systems Research Programme,  
Duke-NUS Medical School



**Dr. David Mendez, PhD**

Associate Professor  
School of Public Health, University of Michigan



**Dr. Bundit Sornpaisarn, MD, MPH, MRCPsychT, PhD**

Deputy CEO of ThaiHealth Promotion Foundation

**Admission is free.**

**Registration and pre-approval REQUIRED.**

## Organizing Committee:

- Prof. Wichai Aekplakorn, MD, PhD
- Prof. Paibul Suriyawongpaisal, MD, MSc
- Asst. Prof. Borwornsom Leerapan, MD, PhD
- Dr. Roengrudee Patanavanich, MD, LLM, PhD

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