



International Symposium  
緊急 国際シンポジウム

# Impacts of Increasing Flood Risk on Food & Health Security in Southeast Asia

**01** | March  
2012  
13:30 - 17:30  
Seminar Room  
**RIHN**

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## 東南アジアで増大する洪水リスクと食料・健康への影響

Date: Thursday, March 1, 2012; 13:30-17:30

日時: 2012年3月1日(木) 午後1時30分~5時30分

Venue: Seminar Room, Research Institute for Humanity and Nature (RIHN), Kyoto

会場: 総合地球環境学研究所 講演室 (京都市北区上賀茂本山 457-4)

使用言語: 英語のみ / Language: English Only

Organized by:  
Inter-University Research Institute Corporation,  
National Institutes for the Humanities, Japan  
Research Institute for Humanity and Nature

主催:  
大学利用機関法人 人間文化研究機構  
総合地球環境学研究所 (RIHN)

後援:

- (独) 土木研究所 水災害・リスクマネジメント国際センター (ICHARM)
- (独) 農業環境技術研究所
- 国際連合大学 高等研究所 (UNU-IAS)
- 京都大学防災研究所
- 滋賀大学環境総合研究センター
- 横浜国立大学環境リーダー育成プログラム

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## International Symposium

# Impacts of Increasing Flood Risk on Food & Health Security in Southeast Asia (東南アジアで増大する洪水リスクと食料・健康への影響)

### 趣旨

2011年10月に発生したタイ・チャオプラヤでの大洪水に象徴されるように、近年、多くのアジア諸国では著しい人口増加と経済成長の影の側面として、大規模な洪水や土砂災害などの自然災害が多発しています。この背景には、長期にわたる上流域での森林伐採に加えて経済発展に伴う土地利用の変化があり、その結果、各国の食料安全保障は脅かされ、下流域の大都市圏ではさまざまな経済損失や健康被害がもたらされていると想定されます。

そこで本シンポジウムでは、タイ、インドネシア、ベトナム、マレーシア、フィリピンなど東南アジア主要国での自然災害の実態と要因を明らかにするとともに、食料・健康への影響と問題解決に向けての取り組みについて検討します。なお本シンポジウムは、総合地球環境学研究所で実施中の国際共同研究プロジェクト「東南アジアにおける持続可能な食料供給と健康リスク管理の流域設計」の中間成果報告を兼ねています。各国から食料・災害の専門家や実務家を招いて、緊急を要するこれらの問題解決への道筋とリスク管理のあり方について皆様とともに考えたいと思います。

### Objective

The 2011 Chao Phraya River flood that affected Bangkok and neighboring regions in Thailand, represents a recent natural disaster mechanism observed in Southeast Asia. That is, rapid population growth, urbanization and economic development/industrialization has resulted in drastic changes in water system as well as land use patterns, and hence the watersheds suffer severe damage from natural disasters such as flooding and soil erosion. The damage results in huge economic loss and affect public health in the urban areas located downstream, and also pose a threat to the food security of the concerned and neighboring countries.

This symposium clarifies the natural disaster mechanism in Southeast Asia and discusses the local and global influences of the flood damage. We also examine the flood risk management and policies so as to reduce food and health risks. In addition, we present some results of our research project entitled "Managing Environmental Risks to Food and Health Security in the Southeast Asia Watersheds." Researchers and experts on risk management and policies related to food, environment, health, and natural disaster from Thailand, the Philippines, Vietnam, Indonesia, and Malaysia have been invited to the symposium, and is expected that some feasible solutions to the urgent issues related risk management will be suggested and these may imply further international cooperation between Japan and the Southeast Asian countries.

### プログラム / Program

13:30 開会挨拶 / Welcome: **Dr. Yo-ichiro Sato**, Deputy Director-General, RIHN

#### I. 基調講演 / Keynote Addresses

1.1. "Increasing Flood Risk and Available Managerial Options in Southeast Asia" by **Dr. Kuniyoshi Takeuchi**  
Director, International Center for Water Hazard and Risk Management (ICHARM), Tsukuba, Japan.

1.2. "Impacts of Increasing Flood Risk on Food & Health Security in Southeast Asia" by **Dr. Ryohei KADA**,  
Professor and Project Leader, Research Institute for Humanity and Nature, Kyoto, Japan.

14:30 II. 東南アジア各国からの報告 / Presentations from Southeast Asian Countries

#### <タイ>

"Increasing Flood Risk in Thailand: Causes and Solutions", **Dr. Weeraphart Khunrattanasiri**  
Asst. Professor, Department of Forest Management, Kasetsart University, Thailand.

#### <フィリピン>

"Floods and Environmental Degradation: Their Effects on Food Security in the Philippines", **Dr. Roberto F. Rañola, Jr.**  
Professor, Department of Agricultural Economics, University of the Philippines, Los Baños.

#### <フィリピン>

"The Epidemiology of Disasters in the Philippines: Focus on Typhoons, Flooding and Health", **Dr. Noel R. Juban**  
Chair and Professor, Department of Clinical Epidemiology, University of the Philippines, Manila.

#### <ベトナム>

"Increasing Flood and Risks of Environmental Degradation in Danang City, Vietnam", **Dr. Tran Van Quang**  
Dean and Professor, Faculty of Environment, Danang University of Technology, Vietnam.

#### <インドネシア>

"Increasing Environmental Risks and Food Security in Indonesia", **Dr. Bustanul Arifin**  
Professor of Agricultural Economics, University of Lampung (UNILA), Indonesia.

#### <マレーシア>

"Sustainable Agricultural Development in Malaysia with Special Reference to Food Security and Natural Disasters", **Dr. Gamini Herath**  
Professor, School of Business, Monash University, Sunway Campus, Kuala Lumpur, Malaysia.

#### コメント / Comments

**Dr. Kaoru Takara**, DPRI, Kyoto University ; **Dr. Toshichika Iizumi**, NIAES ; **Dr. Katsuya Tanaka**, Shiga University

16:45 III. パネルディスカッション / Panel Discussion

Coordinator: **Dr. Bam H.N. Razafindrabe**, RIHN.

17:30 閉会 / Closing Remark: **Dr. Ryohei KADA**

