

# The First Global Summit of Research Institutes for Disaster Risk Reduction: Exploring New Paradigms of Natural Disaster Research Based on the Lessons Learned from the Great Disasters

**Representative:** Hirokazu Tatano

**Date:** November 24-25, 2011

**Place:** Kihada Hall, Uji Campus, Kyoto University, Japan

**Organized by** Disaster Prevention Research Institute, Natural Disaster Research Council, International Society for Integrated Disaster Risk Management (IDRiM Society)

**Co-organized by** the Global COE Program "Global Center for Education and Research on Human Security Engineering for Asian Megacities", the Global COE program "Sustainability/Survivability Science for a Resilient Society Adaptable to Extreme Weather Conditions"

**Invited Persons:** William L. Ellsworth (Project Leader, USGS), Andrew Collins (Prof., Northumbria Univ.), Zhongliang Wu (Director, China Earthquake Administration), Yaoming Ma (Chinese Academy of Sciences), Sri Widiyantoro (Prof., Institut Teknologi Bandung), Ibrahim Komoo (Director, Univ. of Kabangsaan), David Smith (Cabot Institute of Univ. of Bristol)

**Number of Participants:** 124

**Participants:** Hirokazu Tatano, Norio Okada, Masayoshi Nakashima, Kaoru Takara, James Mori, Hajime Mase, Tomoharu Hori, Masahiro Chigira, Hajime Nakagawa, Yoshio Kajitani, Hiroshi Fukuoka, Yosuke Yamashiki, Yukkiko Takeuchi, Rajib Shaw, Ryuichi Yatabe (Ehime Univ.), Motoyuki Ushiyama (Shizuoka Univ.), Takeshi Sagiya (Nagoya Univ.), Shoichi Yoshioka (Kobe Univ.), Naoshi Hirata (The Univ. of Tokyo Earthquake Research Institute)

## Purpose

The purpose of this summit is to gather the researchers from important research institutes involved in disaster risk reduction around the world, and share the academic challenges for natural disaster research and issues on the implementation of disaster prevention based on the lessons learned from recent great natural disasters including the Great Japan Earthquake and Tsunami. And it also aims to explore new paradigms for disaster risk reduction, and forms the mutual communication networking with these institutes.

## Achievement and Results

The summit started with the opening remarks and roadmap by Prof. Hajime Nakagawa (Vice Director of DPRI) and Prof. Manabu Hashimoto (Vice Director of DPRI), and all participating organizations were asked for the short presentation to introduce their activities, interests and thoughts. This was to deepen the understanding among the organizations.

In the afternoon, following to the address of Masayoshi Nakashima (Director of DPRI), the keynote lectures were provided by Prof. Hajime Mase (DPRI, Kyoto University, Japan), Dr. William L. Ellsworth (Earthquake Science Center, U.S. Geological Survey, USA), and Dr. R. Sukhyar (Geological Agency, Ministry of Energy and Mineral Resources of the Republic of Indonesia) about new findings and scientific challenges based on the lessons learned from

the great natural disasters.

The participants were parted into four groups, Integrated Disaster Risk Management, Earthquake and Volcanic Disaster, Atmospheric and Weather Related Disaster, and Geo-Hazards, held the animated group discussions for about 3 hours on the theme of scientific challenges and the status of international collaboration research.

On the next day, there were two keynote lectures by Prof. David Smith (Cabot institute, University of Bristol), and Prof. Rajib Shaw (Graduate School of Global Environmental Studies, Kyoto University), regarding to the issues and challenges in international collaboration on natural disaster research. After the reports from the group discussions, the overall discussion was conducted. It was clarified that the interdisciplinary approaches that should be worked on in the future and the objectives on the implementation of disaster risk reduction.

Over the further discussions, the summit was concluded with the resolution incorporating the establishment of an international alliance among organizations involved in disaster reduction and risk managements.

A lot of people and organizations were able to participate and cooperate in this summit. Although each institute had been relying on the personal networking, 52 disaster prevention institutes in 14 countries have combined as an organization. It was a very fruitful and meaningful meeting.

# 第1回世界防災研究所サミット 「巨大災害の教訓から自然災害研究の新しいパラダイムを探る」

代表者： 多々納 裕一

開催日時： 2011年11月24日～2011年11月25日

開催場所： 京都大学宇治キャンパスきはだホール

主催： 京都大学防災研究所、国際総合防災学会、防災研究協会

共催： 京都大学 GCOE プログラム「アジア・メガシティの人間安全保障工学拠点」  
京都大学 GCOE プログラム「極端気象と適応社会の生存科学」

後援： 国際交流基金

招聘者： William L. Ellsworth (USGS), Andrew Collins (Prof., Northumbria Univ.),  
Zhongliang Wu (Director, China Earthquake Administration), Yaoming Ma (Chinese  
Academy of Sciences), Sri Widiyantoro (Prof., Institut Teknologi Bandung),  
Ibrahim Komoo (Director, Univ. of Kabangsaan), David Smith (Cabot Institute of  
Univ. of Bristol)

参加人数： 124名

主な参加者： 多々納裕一, 岡田憲夫, 中島正愛, 寶馨, 橋本学, James Mori, 間瀬肇, 川瀬博, 堀智晴,  
千木良雅弘, 中川一, 梶谷義雄, 福岡浩, 山敷庸亮, 竹内裕希子, Rajib Shaw, Ryuichi  
Yatabe (Ehime Univ.), Motoyuki Ushiyama (Shizuoka Univ.), Takeshi Sagiya (Nagoya  
Univ.), Shoichi Yoshioka (Kobe Univ.), Naoshi Hirata (The Univ. of Tokyo Earthquake  
Research Institute Earthquake Prediction Research Center), 防災研究所の博士課程,  
修士課程の学生

## 目的・概要

国内外の防災研究機関の研究者を一同に会した防災研究サミットを開催し、東日本大震災をはじめとする巨大災害からの教訓をもとに、自然災害研究の学術課題や防災実践上の課題を共有化し、新しいパラダイムを探求すること、またこれらの研究機関との相互交流ネットワークを形成することを目的とする。

## シンポジウムの様子・得られた成果

中川、橋本両副所長から開会のあいさつと会議の趣旨説明に続いて、参加いただいた国内外全ての研究機関から各研究所の概要について発表いただき、互いの理解を深めた。午後からは中島所長の歓迎のあいさつに続いて、日本（間瀬教授、防災研究所）、合衆国（Prof. Ellsworth 教授、USGS 地球科学センター）、インドネシア（Sukhyar 教授、エネルギー鉱物資源省地質研究所）から、巨大災害から得られた教訓やそれに基づいた自然災害科学・防災学上の発見や科学的挑戦に関する基調講演をいただいた。また、総合防災、地震・火山、大気・水、地盤災害の4つの領域ごとに別れてグループ討議を行った。討議は大きく分けて2つのテーマ、科学的チャレンジと国際共同研究の在り方について各グループで3時間程度活発な討議を行った。

2日目は国際共同研究の事例に関する基調講演2件（Smith 教授(Bristol 大 Cabot 研究所)、Shaw 准教授(地球環境学堂)）の後、前日のグループ討議の結果の報告、総合討論を行った。このことにより、今後取り組むべき学術課題や防災実践における目標等が明らかになると共に、活発な議論を経て、自然災害研究を標榜する研究機関の連合を立ち上げることなどが盛り込まれた決議案が承認された。

この度のサミットでは多くの方の参加と協力を得ることができ、これまで個人のつながりに依存していた世界14カ国にある52の防災研究所が組織として繋がる大変有意義な会議となった。



海外・国内招聘者と事業推進担当者の集合写真