

令和6年3月8日

国際ワークショップ「気候変動下のジオ巨大災害」の開催について

気候変動が進行する中で、アジアでもより極端な気象現象の頻発が懸念される状況を鑑み、このたび香川大学四国危機管理教育・研究・地域連携推進機構では新たに「気候変動適応研究部門」を設置し、アジアの危機管理の重要な拠点として、国際共同研究を推進していくこととなりました。

その出発点として、3月14～15日にネパール・カトマンズにて、トリブバン大学地質学科および水文気象学科との共催のもと、国際ワークショップ「気候変動下のジオ巨大災害」を開催することとなりました。香川大学を含む日本の研究者に加え、インド・バングラデシュ・中国・ネパールからの研究者の参加を得て、地質学、地形学、氷河学、水文学、生物学、気候学、気象学、社会科学、工学にわたる科学的協力を促進し、気候変動適応策の策定を加速することを目指します。

本ワークショップは、日本学術振興会研究拠点形成事業の支援をいただいています。

つきましては、是非取材くださいますよう、よろしくお願い申し上げます。

名称：国際ワークショップ「気候変動下のジオ巨大災害」

日時：2024年3月14日（木）～15日（金）

会場：Hotel Akama（ネパール・カトマンズ）

遠隔参加可能（前日までに参加用リンクをお送りします）

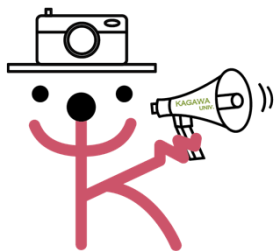
主催：トリブバン大学地質学科／トリブバン大学気象水文学科／香川大学四国危機管理教育・研究・地域連携推進機構気候変動適応研究部門

詳細リンク：

<https://www.iced.s.net/j/1st-workshop-on-mega-geo-hazards-under-changing-climate/>

遠隔参加申し込みは以下のリンクからお願いします。

<https://forms.office.com/r/pVGn8YbWCW>



➤ お問い合わせ先
香川大学四国危機管理教育・研究・地域連携推進機構
気候変動適応研究部門 併任教員（教授） 寺尾 徹
TEL：087-832-1590
E-mail：terao.toru@kagawa-u.ac.jp



JSPS

Core-to-Core Program



ICEDS

—International Consortium for Earth and Development Sciences—



【14-15 March】 1st Workshop on Mega-Geo-Hazards under Changing Climate

👤 ICEDS writer 📅 2023年12月31日 📁 Academic Conference, AsiaPEX, Core-to-Core, News

Supported by JSPS Core-to-Core Program

1st Workshop on Mega-Geo-Hazards under Changing Climate

— Mountain-Plain Interaction in the Southern Periphery of the Himalayas.

The IPCC's 6th Assessment Report (AR6) underscores the acceleration of climate change, projecting a global mean temperature increase of 1.5K by 2030 compared to pre-industrial levels. This workshop, centered on the vulnerable southern periphery of the Himalayan Range, aims to address the complex challenges posed by the region's variable climate conditions, unique topography, and active geological processes. Notably, the Meghalayan epoch, identified through cave speleothems, signifies a historical global drought around 4,200 years ago, emphasizing the concept of Earth's climate transitioning to another equilibrium state. The region's multidisciplinary adaptation efforts face added complexity due to glaciers, intrinsic water resources, and potential sources of mega-geo-disasters.

Collaborative international research initiatives, involving Tribhuvan University, Kagawa University are actively engaging in climate-related studies. This workshop will be led by the Central Department of Hydrology and Meteorology (CDHM) and Central Department of Geology (CDG) from the Nepal side, and the Climate Change Adaptation Research Group (ccARG) and the International Consortium for Earth and Development Science (ICEDS) in Kagawa University in Japan. This workshop seeks to accelerate climate change adaptation measures, fostering scientific collaboration across geology, geomorphology, glaciology, hydrology, biology, climatology, meteorology, social sciences, and engineering.

Key topics will include extreme precipitation events, storm formation, glacier mass balance, global climate change status, mega-geo-disasters, biodiversity impact, highland-lowland interactions, geological phenomena, risk management, tourism development,

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cultural interactions, livelihood resource exchanges, river systems, hydrometeorological forecasting, and environmental change. This workshop is an integral component of the Asina Precipitation Experiment (AsiaPEX), which is developing research project focusing on the Asian hydroclimatological processes under the WCRP/GEWEX framework.

Targeting the southern periphery of the Himalayan Range and its tributaries, the workshop aims to create a scientific horizon for effective climate adaptation in one of the world's most vulnerable regions. Researchers interested in contributing to the development of climate change adaptation sciences are encouraged to actively participate.

Focal Topics:

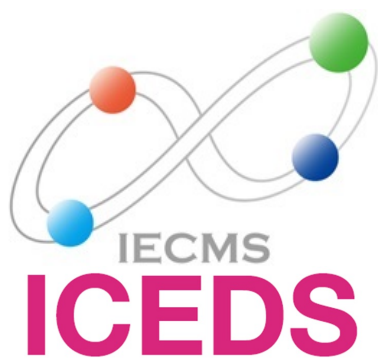
- Extreme precipitation events: Observation, estimation, and prediction.
- Formation mechanisms of severe storms.
- Understanding glacier mass balance and downstream water resource impacts.
- Global climate change status and future projections.
- Mega-geo-hazards under changing climates: Definitions and new perspectives.
- Geological-hydroclimatological compound hazards.
- Climate change impact on biodiversity, including vegetations and ecosystems.
- Highland-lowland interactions in hydroclimate and social systems.
- Geological phenomena: tectonic, geomorphological, and hydrological processes.
- Glaciological mega-disasters: glacial lake outburst floods (GLOF).
- Risk management and tourism development.
- Ethnic/cultural/livelihood diversification and interactions with geo-hydrometeorological environments.
- Exchanges and sharing of traditional livelihood resources between highland and lowland societies.
- River systems: sedimentation, flood wave, river trade of livelihood resources.
- Impact of lowland hydrometeorological forecasting skill improvement on highland extreme event prediction.
- Impact of highland/lowland environmental change on lowland/highland environments.
- Remote sensing techniques associated with geological/hydrological/meteorological/biological environments.

Target Regions:

- The southern periphery of the Himalayan Range and its tributaries, encompassing the Tibetan region in China, Nepal, North and Northeastern India, Bhutan, Bangladesh, and Myanmar.

Date:
14-15, Mar. 2024

Venue:
Akama Hotel, Kathmandu, Nepal.



Core-to-Core Program



コメントは受け付けていません

« Keynote Speech in ICWFM 2023

HAELE-10 on February 2nd »