

HDS025-07

会場:103

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現地踏査に基づくブータンヒマラヤの氷河湖の決壊危険度評価 Hazardous lake evaluation by the field survey in the Bhutan Himalaya

ギャレイ カルカシン^{1*}, 小森 次郎², プンツォ ツェリン¹, 竹中 修平³, 内藤 望⁴, 澤柿 教伸⁵
Kharka Singh Ghallay^{1*}, Jiro Komori², Phuntsho Tshering¹, Shuhei Takenaka³, Nozomu Naito⁴, Takanobu Sawagaki⁵

¹ ブータン国経済省地質鉱山局, ² ブータン国経済省地質鉱山局/名大環境学, ³ 株式会社地球システム科学, ⁴ 広島工業大学
環境学部地球環境学科, ⁵ 北海道大学地球環境科学研究院

¹Dept of Geology and Mines, MoEA, Bhutan, ²Dept of Geo & Min, Bhutan / Nagoya Univ., ³Earth System Science Co.,LTD.,
⁴Hiroshima Institute of Technology, ⁵Hokkaido University

In order to assess the possibility of GLOF hazard in the Bhutan Himalaya, we closely observed 15 lakes and roughly checked 12 lakes along the snow man trekking route, northern Bhutan under the JICA/JST project. There is not specific information over the last 10 years. However most of these lakes were observed by Iwata and Ageta (1998). In this presentation we will introduce summary of the field condition and preliminary result of the evaluation based on a modified glacial lake check sheet (Iwata, 2000). The field surveys for the evaluation were carried out in/around the lakes in 2009 and 2010 by the authors and tenth other Japanese and Bhutanese researchers. Especially, bathymetric survey achieved to obtain more reliable information for assessing the stability of the moraine dame and flood analyses. Most of the lakes in the Mangde Chhu basin show relatively stable aspect because gentle relief of the surrounding topography of the lake.

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