

Student Himalayan Exercise Program¹: Summary of Four Years Activity.

学生のヒマラヤ野外実習プログラム：4年間の活動総括

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A geotraverse connecting the Kaligandaki and the Tinau rivers via Pokhara in Western Nepal covers all geologic zones of the Himalaya from the Tethys Himalayan Zone in the north to the Gangetic Plain in the south (Fig. 1). The Student Himalayan Exercise Program has aimed to conduct tours of the above geotraverse, escorting Japanese and Nepalese students.



Fig. 1. Geologic outline and exercise tour course. Circled number: Night halts. Dotted line: Tour course mainly on foot, Dashed line: Tour course mainly by car. (Base geologic map is referred after Department of Mines and Geology, 1982)

¹ Full details of the program is given on GIGE-HP (2015)

The preparation of the program started in 2008, and the practical content of the tour was decided in December 2010 by collecting ideas from several Himalayan geologists in Japan and receiving consent of 17 geoscience-related departments of universities in that they will give the exercise points of the university to participating students, or to examine the possibility of it (Yoshida, 2014).

After collecting ideas from and sending call-for-participants to geoscience-related departments of 60 Japanese universities and discussing and negotiating with several Nepalese trekking agencies (Yoshida, 2015), the first Student Himalayan Exercise Tour was conducted in March 2012. The 2nd, 3rd, and 4th tours were successively conducted in March every year from 2013 to 2015 (Yoshida, 2012-2015; Yoshida, in press), and the 5th tour is scheduled in 2016. We consider that the Student Himalayan Exercise Tours of all 4 years were successful and meaningful, therefore the program should continue at least for some years.

The summary of four tours including general views of preparation and fulfillment of tours and field photos of the tours will be given in the presentation.

References

- Department of Mines and Geology, 1982, Geological Map of Nepal, 1:1,000,000. HGM Ministry of Industry, Kathmandu, Nepal.
- GIGE-HP, 2015, Student Himalayan Field Exercise Project. http://www.geocities.jp/gondwanainst/geotours/Studentfieldex_index.htm (in Japanese and English).
- Yoshida, M (Ed), 2012-2015, Traversing the Himalayan Orogen, 2012, 2013, 2014, 2015. Four books, 152 pages, 106 pages, 203 pages, and 191 pages (in Japanese) published respectively each year. Field Science Publishers, Gondwana Inst. for Geology and Environment, Hashimoto, Japan.
- Yoshida, M., 2014, The Student Himalayan Exercise Program I. Start of the project and preparation of the program (in Japanese). *Chigaku kyoiku to kagaku undo (Education of and movement in geosciences)*, 73, 57-62.
- Yoshida, M., 2015, The Student Himalayan Exercise Program II, Preparation for the Exercise Tour (in Japanese). *Chigaku kyoiku to kagaku undo (Education of and movement in geosciences)*, 74, 63-70.
- Yoshida, M., in press, The Student Himalayan Exercise Program III, Report of the Student Himalayan Exercise Tour (in Japanese). *Chigaku kyoiku to kagaku undo (Education of and movement in geosciences)*, Accepted for publication, to appear in vol. 75 in 2016.