

Field trip 2008: outline, tentative schedule and route map (Fig.1)

Outline

A field trip lasting of three and half days is scheduled immediately after the International Conference from 12th to 15th November 2008. This trip will be based upon a traverse route across the Island Arc of Northeast Japan from the Pacific to the Japan Sea coasts. This trip shows participants panoramic landscape and landslides in Northeast Japan Arc. It consists of two zones trending north to south, Outer and Inner arcs, respectively. Outer arc composed of Mesozoic strata was separated from Eurasian continent since Eocene and has drifted to the present position, causing an opening of Japan Sea. Inner arc is composed of tuffaceous marine sediments of Tertiary Period due to acidic volcanism subsequent to the opening of Japan Sea.

The participants will observe a wide range of landslide sites distributed in a zone of marine sediments of Oligocene to Pliocene ages, and pass across the Back-bone Range. Various types of monitoring systems and mitigation works for the large-scale landslides will be shown to the participants, who will also have an opportunity to view the Mt. Bandai, that was collapsed by phreatic explosion in 1888. The final destination of this field trip will be northern Uonuma Hill, that was severely affected by landslides due to the Mid-Niigata earthquake in 2004.

Schedule : 12th ---15th Nov. 2008

12th (after lunch) Nov.

Sendai – Shiroishi•Obara landslide occurred in 2007 (Pic.1) : field excursion – via Tohoku & Ban-etsu highway -- Iwaki (stay)



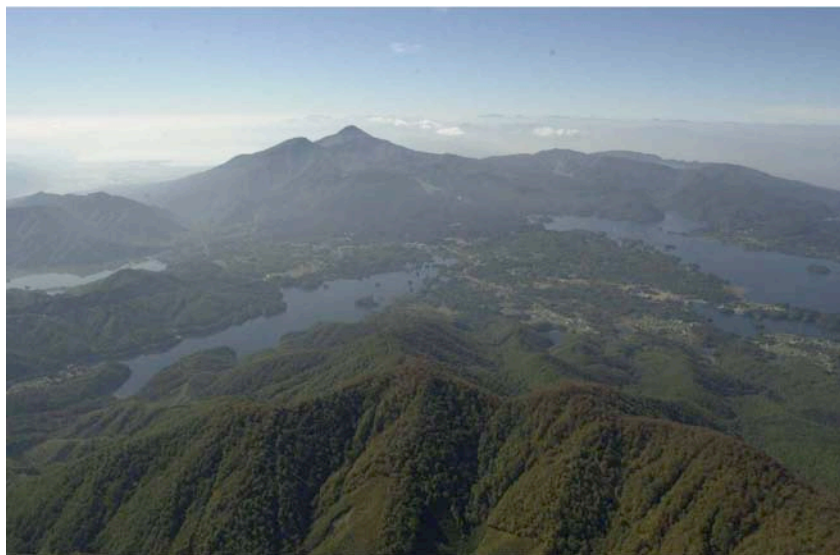
Pic.1 Shiroishi – Obara landslide (after Japan Landslide Society)

13th Nov.

Iwaki – Narisawa landslide (Pic.2): field excursion – crossing Abukuma Highland and Backbone Range – Inawashiro --- Sector collapse of Mt. Bandai due to phreatic explosion in 1888 (Pic.3) ---- Ura Bandai (northern mountain foot of Mt Bandai) : excursion in the flow mounds' field and stay just beside the landslide lake



Pic.2 Narisawa Landslide (after Fukushima Pref. Gov.)



Pic.3 Landslide lakes and flow mounds due to sector collapse of Mt. Bandai in 1888

14th Nov.

Ura Bandai --- Inawashiro --- Nukedo landslide : overview from the opposite side --- Takisaka landslide (Pic.4) : overview and field excursion including tunneling site for ground water draining) --- Niigata (stay)



Pic.4 Takisaka landslide and Agano River

(after Agano River Office, Ministry of Land, Infrastructure and Transport, Japan)

15th Nov.

Niigata --- Yamakoshi (Pic.5) : overview and field excursion in the earthquake affected area ---
Nagaoka (or Niigata)



Pic.5 Landslide due to the Mid-Niigata earthquake 2004

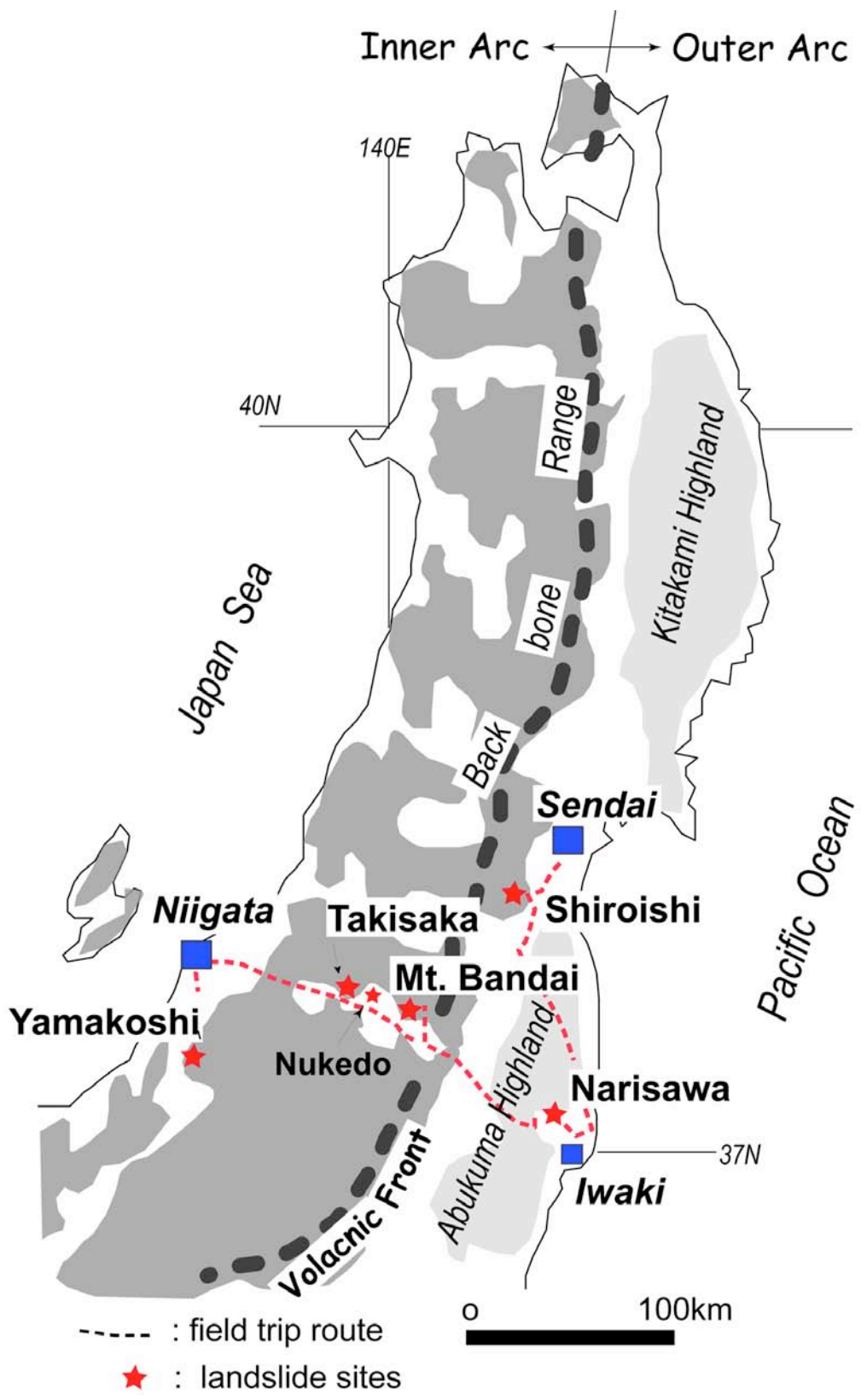


Fig.1 Route map of the field trip 2008