

Participant report on International Joint Workshop on Slow-to-Fast Earthquakes and field trip 2023

Participant: Yanhan Chen

Affiliation: DPRI, Kyoto University

Workshop:

The International Joint Workshop on Slow-to-Fast Earthquakes 2023 was held at the University of Tokyo from September 13 to 15, to promote a more integrated approach in earthquake research that encompasses the slow-to-fast earthquake spectrum. As a doctoral student, I had the honor to attend this academic conference, and I gained a lot through the several days of the conference.

During the conference, a wide range of academic topics was discussed. Many participants came from abroad, such as Taiwan, U.S.A., France, Italy. The conference theme was diverse, encompassing interdisciplinary aspects of Slow-to-Fast Earthquake research, including geology, geophysics, and other related fields. These discussions covered slow-to-fast earthquake phenomena, mechanisms, observation techniques, simulation methods, and potential risks. After the meeting, there were also group discussions on topics related to the public outreach and education regarding Slow-to-Fast Earthquakes. Scholars and students expressed their individual views on this matter.

This conference was immensely enriching. Firstly, I gained a clearer understanding of the overall framework of slow-to-fast earthquake spectrum and learned about the current frontiers and future directions of research. Secondly, through interactions with international researchers, I deeply realized the importance of collaboration and sharing in advancing academic research. I am conducting research on low frequency earthquakes (LFEs) at Mexico subduction zone, during this conference, I presented a poster showcasing my research. This academic event provided me with the opportunity to engage with professors and fellow students, enabling valuable discussions and feedback. These insights will help me refine my research effectively.

At the conclusion of the workshop, Professor Ide and Professor Ito outlined the upcoming events and extended invitations to everyone. They expressed their hope for smooth preparations for the conference scheduled to take place next year in

Beppu. Thank you to all the organizers and staff involved in the preparation of this workshop.

Field trip:

After the formal conference, a field trip was organized to the Boso Peninsula, allowing participants to observe terraces that were formed as a result of past Kanto earthquakes. We visited three distinct locations during the trip. Through observations at these locations and the detailed explanations provided by our guide, I gained an understanding of the connection between this area and the Kanto earthquake that occurred a century ago. This enhanced my comprehension of the causes and the resulting impact of the Kanto earthquake. Thank you for the opportunity to participate in the field trip this time.

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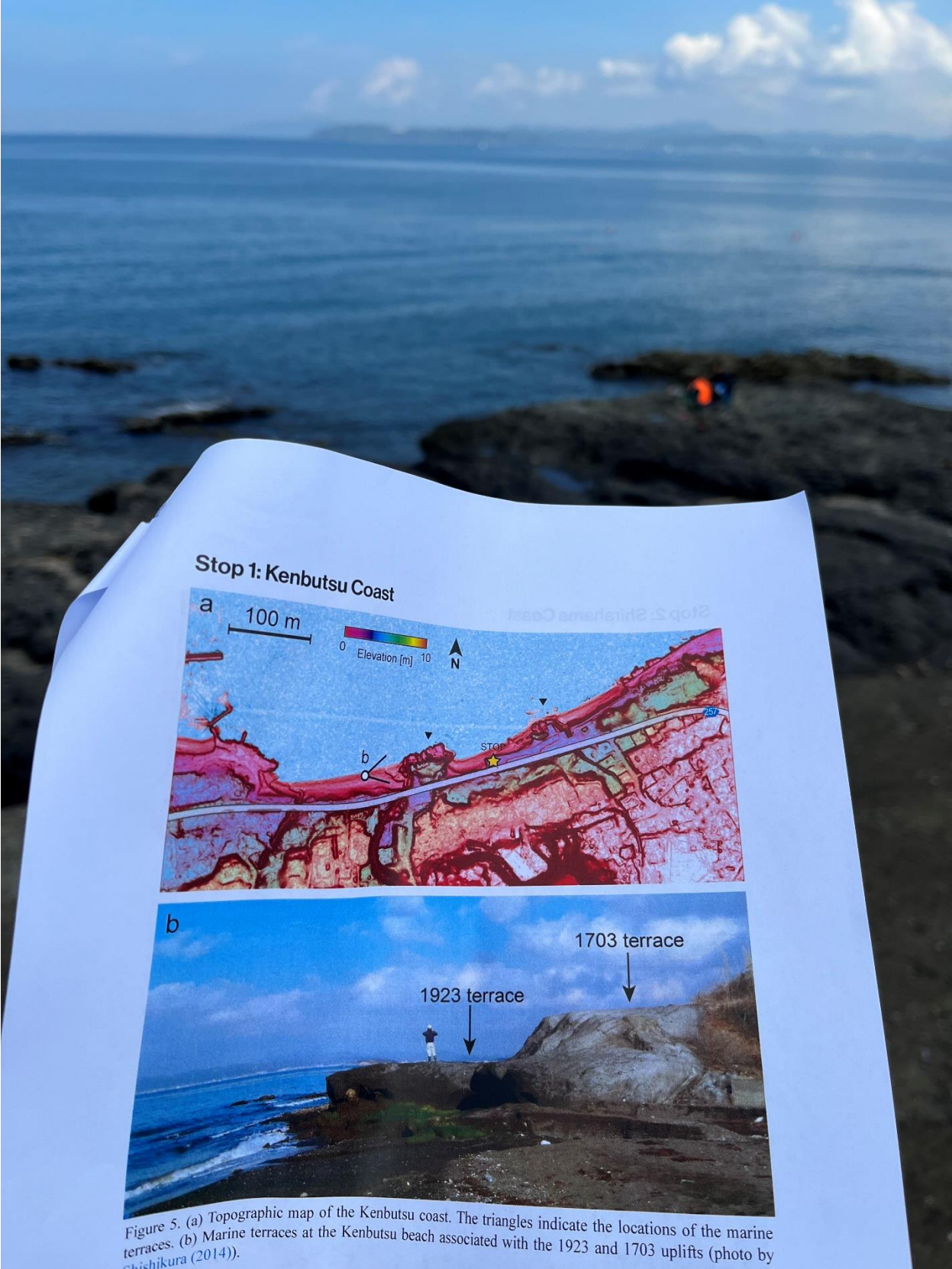


Figure 5. (a) Topographic map of the Kenbutsu coast. The triangles indicate the locations of the marine terraces. (b) Marine terraces at the Kenbutsu beach associated with the 1923 and 1703 uplifts (photo by ekishikura (2014)).

