

International Research (Project No.: 2020W-02)

Project name: A Study of the Seismic Heterogeneity in the Gerede Segment of the North Anatolian Fault, Turkey

Principal Investigator: Serif Baris

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Name of DPRI collaborative researcher: James Mori

Research period: May 1, 2020 ~ March 31, 2022

Research location: North Anatolian fault, Turkey

Number of participants in the collaborative research: 8 (DPRI staff: 3, non-DPRI staff: 5)

- Number of graduate students: 4 (Master students: 2 , Doctor students: 2) (Included number)

- Participation role of graduate students [Deployment of seismic instruments and analyses of seismic data]

Implementation status in FY2020

Because of the Corona Virus, the planned seismic observations along the North Anatolian fault could not be carried out. There were severe travel restriction in Turkey and even Turkish researchers from Istanbul were not able to go to the field area.

Several conference calls were held between Turkish and Japanese researchers. Plans were made to carry out the seismic observations in late summer, 2021 if the health situation improves in Turkey.

Some supplies for the seismic observations were purchased in 2020

Implementation plan in FY2021

Plans are being made for observations on the North Anatolian fault for a shorter time from late summer or fall 2021 until March 2022. Because of the shorter time for the observations, a smaller dense array is being planned which can record smaller events over a limited area.