

## Recent activity of the Tobetsu faults on the Ishikari plain, Hokkaido

# Sunao Ohtsu[1], Jun Tajika[1], Wataru Hirose[2]

[1] Geol.Surv.Hokkaido, [2] Geol. Surv. Hokkaido

<http://gsh.pref.hokkaido.jp>

### Purpose

Elucidate recent activity of the Tobetsu faults.

### Method

Geological, seismic, gravity, drilling surveys and trench the active fault.

### Result

Activity in northern part of faults shows 0.12 m/kyr of average slip rate, 0.6m of slip per event. Last event is estimated about 5,000 y.B.P. and recurrence is estimated about 5,000 year.

Tree event in southwestern part of faults estimates 6,500-6,000y.B.P, 4,500-3500y.B.P, 900-500y.B.P?.

In particular, This last event is similar sand dyke event of Karinba site of Eniwa City.