

## A Superconducting gravimeter network - GGP-Japan Network -

# GGP-Japan Group Sato Tadahiro

[1] Dep.Geophysics,Kyoto Univ

In cooperation with The Global Geodynamics Project (GGP), the GGP-Japan Group is maintaining a superconducting gravimeter (SG) network, the GGP-Japan Network. The network consists of seven stations; Ny-Alesund (Svalbard, Norway), Esashi, Matsushiro, Kyoto (Japan), Bandung (Indonesia), Canberra (Australia) and Syowa (Antarctica). An important characteristic of GGP Japan network is its spatial distribution of the sites on the Earth. The GGP Japan network covers wide latitude range from 79 deg north (Ny-Alesund) to 69 deg south (Syowa) including a station near the equator (Bandung). This unique characteristic is important for the studies of the latitude dependency on the Earth's free oscillation, the Earth tides and the polar motion effects.