

AOB セミナーのご案内

日時：10/5 火 11:00-12:00

場所：センター別館第一会議室

講演者：Stephen Bannister 博士（ニュージーランド GNS）

講演題目："Slow slip episodes and triggered seismicity along the Hikurangi subduction margin, New Zealand"

アブストラクト：

The Hikurangi subduction margin along the east coast of North Island, New Zealand, has experienced slow slip episodes with a wide variety of characteristics, as detected by a relatively dense surface GPS network that has been recording since ca. 2004. Along the east coast very short-duration (ca. 1-2 week) slow slip is observed, with a ca. 2 year recurrence interval. To date, there has been no associated seismic tremor observed, although the search for such tremor continues. Instead M1-2 seismicity is clearly triggered around the onset time of slow slip, and spatially around the periphery of the slow slip, similar perhaps to Boso peninsula observations. Downdip, at 30-50 km depth, surface GPS observations indicate long duration (0.5-1.5 year) slow slip, with a long 3+ year recurrence interval - the latest beginning just 2-3 months ago. Some of these downdip slow slip episodes are thought to have triggered M4-5 earthquakes in the subducted Pacific plate crust.