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monitoring and IMS collaboration

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Seismic monitoring and observation is a vital and main function of the Seismological Observatory Section of the Solomon Islands. The Solomon Islands are formed from part of a complex of Melanesian island arcs and are located on the South West Pacific Region NW of Papua New Guinea and SE of Vanuatu Islands. Due to tectonic settings of a complex plate of convergent zone, the seismicity of the Solomon Islands are relatively high. Thus Seismological Observatory Section is focusing on developing more on earthquake monitoring. Solomon Islands had signed the verification with CTBTO in 1996 and then collaborated through the Seismological Observatory Section which then certified its HNR Station in 2005 as an auxiliary seismic station AS098 to carry out seismic monitoring for nuclear explosion monitoring. From then, it had continued engagement with the observatory and carried out sending seismic data to IDC on request. It is currently working towards becoming a National Data Center.

With its aims and obligations, the observatory had recently integrated a seismic and tsunami early warning monitoring and is working towards solving current challenges faced with the National Seismic Network.

Promotional text

The Seismological Observatory Section of the Solomon Islands had its main role and obligation to develop and maintain a national network of seismic stations to monitor seismic and volcanic activity and to fulfill national obligations with the Global Seismic Network and CTBTO.

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