

**D205-002**

**Room: Ocean B**

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## **PIXEL: Japanese InSAR Community for crustal deformation research**

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PIXEL stands for Palsar Interferometry Consortium to Study our Evolving Land. It was established in November 2005 by a couple of researchers in a bottom-up fashion before the launch of ALOS/PALSAR by JAXA. The main scope of PIXEL is expand and bolster the InSAR community for crustal deformation research in Japan. Formally, it is a research contract between JAXA and Earthquake Research Institute (ERI), University of Tokyo. As ERI is a shared research institute of Japanese universities and research institutes, every scientist at all Japanese universities and institutes can participate in PIXEL. The activity of PIXEL includes information exchange by mailing list, tutorial workshop for InSAR software, research workshop, and PALSAR data sharing. The data sharing is now achieved through the PIXEL website, in which each institute member can log-in with the institute's ID and password. After the launch of ALOS, we have witnessed several earthquakes and volcanic activities

using PALSAR interferometry. I will briefly show and digest some of those observation results. Also, I will present how actually the PIXEL activity is maintained.