



Workshop
“Geodynamics, earthquakes, and volcanism in subduction zones”
Programme

September 9, Monday

9:50 - 10:20 Coffee

10:20 – 10:40 **Shapiro Nikolai**

Introduction to Workshop

Volcanic and hydrothermal systems (chair: V. Mikhailov)

10:40 – 11:10 **Gordeev Evgeny**

Deep structure of the North group of Kamchatkan volcanoes

11:10 – 11:40 **Green Robert**

Ambient Noise Tomography of the Klyuchevskoy Volcanic Group

11:40 - 12:00 Break

12:00 – 12:20 **Sens-Schönfelder Christoph**

Ambient noise velocity monitoring and first results from the KISS dataset

12:20 – 12:40 **Melnik Oleg**

Dynamics of Gas bubbles in magmas

12:40 – 13:00 **Bergal-Kuvikas Olga, Khubaeva Olga**

First results of the study various aged magmatic complexes along Malko-Petropavlovsk zone of the transverse dislocation

13:00 - 15:00 Lunch

Subduction related earthquakes (chair: E. Gordeev)

15:00 – 15:30 **Walpersdorf Andrea**

Kamchatka GPS and seismic data highlight the interaction between deep and shallow deformation related to the 2013 Okhotsk earthquake

15:30 – 16:00 **Mikhailov Valentin, Lyakhovsky Vladimir, Timoshkina Elena**

Modelling of Simushir 15/11/2006 Mw8.3 earthquake

16:00 - 16:30 Coffee Break

16:30-16:50 **Kiseleva Elena, Timofeeva Vera, Mikhailov Valentin**

Registration of tectonic deformations in the Kuril-Kamchatka area using SAR interferometry: Methods, problems and results – 20 min

16:50 – 17:10 **Valentin Mikhailov, Elena Kiseleva, Elena Timoshkina, N. Shapiro, M. Diament**

Olyutor earthquake: view from space

17:10 – 17:30 **Suarez Gerardo**

A seismo-geodetic network to monitor the Guerrero Seismic Gap, Mexico: First Results

17:30 – 17:50 **Kostoglodov Vladimir**

The system of active faults LVC and Xolapa sliver in Southern Mexico

10:00 - 10:30 Icebreaker

10:00 - 10:30 Coffee

New directions in seismology and data analysis (chair: N. Shapiro)

10:10 – 10:40 **Bossu Remy**

How Seismology can benefit from Citizen Seismology – 30 min

10:40 – 11:00 **Igel Heiner**

6C seismology – new generation of rotational sensors in seismology

11:00 – 11:20 **Wassermann Joachim**

Obspy :open-source Python framework for processing seismological data

11:20 – 11:40 **Shebalin Peter**

New patterns of aftershock process

11:40 – 12:00 **Bjorn Ursin**

Signal decomposition and time-frequency representation using variable-length symmetric filters