

## **7<sup>th</sup> Biennial Workshop on Japan-Kamchatka-Alaska Subduction Processes (JKASP-2011): Mitigating Risk through International Volcano, Earthquake, and Tsunami Science**

Institute of Volcanology and Seismology FEB RAS (IVS)  
Petropavlovsk-Kamchatsky, Russia, August 25<sup>th</sup> -30<sup>th</sup>, 2011

### **FIRST CIRCULAR**



Avachinsky above Petropavlovsk-Kamchatsky



New vent in Gorely Volcano, June 2010

### **Objectives:**

The 7<sup>th</sup> international workshop on the Japan- Kurile-Kamchatka-Aleutian volcanic arcs, among the most volcanically and seismically active areas on Earth, will be held August 25<sup>th</sup> -30<sup>th</sup>, 2011 in Petropavlovsk-Kamchatsky, Russia. The region includes transitions from ocean-ocean to ocean-continent convergence, arc rifting by oblique convergence, an exceptional subduction “cusp”, and a newly defined micro-plate. High rates of lithospheric flow help to illuminate linkages among plate interaction, seismicity and volcanism and resultant hazards from earthquakes, tsunamis, and eruptions. The interdisciplinary and international nature of the workshop brings together scientists to solve problems that cross unchanged through international borders. The fusion of many geophysical techniques in this unique natural laboratory will allow us to more effectively monitor its hazards and mitigate risks of natural disaster.

Session themes are:

- Recent or ongoing eruptions and recent major earthquakes;
- New results from tectonic, volcanic, seismic, and marine research
- New developments in ground-, air-, and satellite-based monitoring techniques and in modeling and forecasting hazard events.

A special discussion will focus on how we can extend geophysical monitoring and improve crisis response through bilateral and/or trilateral initiatives. Activities to be proposed may include joint installation of new monitoring networks, joint field studies including scientific cruises, and real-time sharing of monitoring data. Past outcomes from the JKASP series of meetings, which cycle biennially among Petropavlovsk, Sapporo, and Fairbanks, are new international projects, a field school, and publications including an AGU Monograph.

JKASP provides a unique opportunity to meet many other scientists and students working in the far northern Pacific, as well as an excellent introduction for those who wish to become involved in research in this exciting region.

### **Steering committee:**

Evgeny Gordeev and Victor Chebrov, Petropavlovsk-Kamchatsky, Russia

Hiroaki Takahashi and Mitsuhiro Nakagawa, Sapporo, Japan

John Eichelberger, Reston, Virginia and Pavel Izbekov, Fairbanks, Alaska, USA

**Local organizing committee:**

Evgeny Gordeev, (chairman), Yaroslav Muravyov, Vladimir Leonov, Olga Girina, Sergey Ushakov, Oxana Evdokimova, Victor Chebrov, Vadim Saltykov, Yulia Kugaenko.

**Form of Workshop:**

There will be a mixture of invited and contributed talks, with ample time for discussion. Poster presentations are also welcome, no more than two from a participant. Student participation is encouraged.

**Meeting venue:** Institute of Volcanology and Seismology FEB RAS (IVS), Petropavlovsk-Kamchatsky (PK).

**Excursions:** Mutnovsky, Gorely, and/or Avachinsky volcanoes and a helicopter trip over Eastern Kamchatka.

**Transportation :** There are daily flights between Moscow and Petropavlovsk, as well as frequent flights from Saint- Petersburg, Novosibirsk, Khabarovsk and Vladivostok. Vladivostok is easily reached from Seoul and Tokyo.

**Weather:** August in PK is generally sunny with occasional rain and a typical daytime temperature of 18°C. A period of heavy rain is possible.

**Costs:** We anticipate that costs for food and lodging will average about \$120/day. There will also be a registration fee of about \$300 to cover group events and transportation.

**Accommodation:** Hotels “Edelweiss”, “Petropavlovsk”, “Avacha” and “Oktyabrskaya” are available. The cheapest suite fee is around \$100 at the “Edelweiss” with basic facilities and is in easy walking distance to the IVS location.

**Financial support:** The organizers anticipate support by the Far East Branch of Russian Academy of Sciences (FEB RAS), Division of Earth Sciences of Russian Academy of Sciences, Russian Foundation for Basic Research (RFBR), US Geological Survey (USGS), National Scientific Foundation (NSF), and University of Alaska, Fairbanks, USA.

**If you are interested in receiving subsequent circulars on this meeting, please send an e-mail to [lvl@kscnet.ru](mailto:lvl@kscnet.ru)**

Russian participation will be coordinated by Oxana Evdokimova ([evdokimova@kscnet.ru](mailto:evdokimova@kscnet.ru)).

Japan participation will be coordinated by Hiroaki Takahashi ([hiroaki@mail.sci.hokudai.ac.jp](mailto:hiroaki@mail.sci.hokudai.ac.jp)).

Participation of all other countries will be coordinated by Pavel Izbekov ([pavel@gi.alaska.edu](mailto:pavel@gi.alaska.edu)).

**The updated information will be posted at <http://www.kscnet.ru/ivs/index.html>**