



International Volcano Monitoring Fund 2009 Annual Report

**The International
Volcano
Monitoring
Fund**

1255 Main Street,
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Vancouver, BC
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www.ivm-fund.org

The year 2009 was a period of slow but steady growth for the International Volcano Monitoring Fund. We increased in size by adding a Development Director, focused our fundraising program goals, raised a modest amount of money, and conducted a field program to study Mt. Baker volcano. This annual report summarizes the activities, fundraising efforts, and expenditures of the IVM-Fund in 2009. Also outlined is the fundraising plan for 2010 and the long-term fundraising vision. We would like to thank all of our donors who have been so generous in supporting our cause. The IVM-Fund looks forward to a productive 2010, striving towards our long-term, over-arching goal which is to financially support instrumental monitoring of the world's dangerous volcanoes. We ask you to please spread the word about our efforts and invite others to support our cause.

Activities/Accomplishments of 2009

- The IVM-Fund website and online donation system went live in early 2009 thanks to pro-bono Web-hosting services provided by Cayley Vos, Principal of netpaths.net.
- The official logo of the IVM-Fund was created in February 2009 by Craig W. Allen of Allen Envisioned (allenenvisioned.com).
- Dorr Fumaroles Project – Summer 2009
 - The aim of this project is to map the unstudied Dorr Fumarole field on the NE flank of Mt. Baker volcano and make quantitative measurements of the steam output from the field's steam vents.
 - The purpose is to test and further develop a novel steam flux measurement technique in the field at real volcanic steam vents. If perfected, this method would be a useful volcano monitoring tool at other active volcanoes that the IVM-Fund could support.
 - We conducted two separate expeditions (in July and August 2009) crossing glaciers high on the remote NE flank of Mt. Baker volcano to reach the Dorr Fumarole Field.
 - The IVM-Fund team successfully reached the Dorr fumaroles in July 2009 and made a preliminary geologic map of the area, recording temperatures of up to 90 °C at the accessible steam vents.
 - We failed to reach the Dorr Fumaroles in our second attempt in August 2009 due to extreme crevasse hazards which blocked our path.
 - A report describing our work at the Dorr Fumaroles has been written up and published on the IVM-Fund website.
 - We plan to return to the Dorr Fumarole field again in 2010 to make steam flux measurements.
 - Expeditions to the Dorr Fumarole field consist of an all-volunteer team and are conducted at no cost to the IVM-Fund.



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- Hired Malaika Ulmi as Development Director in August 2009
 - Malaika has worked for five years with the Geological Survey of Canada in collaboration with the governments of seven South American countries to integrate geoscience into land use planning, emergency management and school curricula in communities at risk from natural hazards.
 - Her experience has fostered a passion for applying geoscience for societal benefit.
 - She is trained in Results Based Management, cost-benefit analysis of public sector projects, and financial management for non-profits.
 - Malaika will take the lead on grant proposal writing and will capitalize on her contacts, enthusiasm, and expertise to move forward the nonprofit goals of the IVM-Fund.
 - Malaika works for the IVM-Fund on a pro-bono basis.

- Collaborations with Other Groups
 - Early in 2009, the IVM-Fund proposed to financially support volcano monitoring efforts at Mexico's most active volcano, Colima by providing volcano monitoring instrumentation to Dr. Nick Varley's team at the Centre for Exchange and Research in Volcanology, in Colima, Mexico.
 - In the summer of 2009, we communicated with Dr. Don Thomas, director of the Center for the Study of Active Volcanoes (CSAV) on the Big Island of Hawaii and discussed a collaboration to support his work. The plan is to raise money via the IVM-Fund to supply volcano monitoring instrumentation to newly-trained, developing world graduates of the CSAV program. In this manner, developing world volcano scientists and technicians can return home with both skills and equipment to begin monitoring their volcanoes.
 - We established an informal collaboration with Resonance, Ltd. of Ontario, Canada to help distribute this R&D company's state-of-the-art volcanic gas monitoring instruments to the volcanoes that need them. The IVM-Fund hopes to raise money, purchase equipment from Resonance, Ltd. at a discount, and then deliver the equipment to be utilized at active volcanoes.
 - We agreed to provide mutual support to our sister non-profit in Bellingham, Washington, the Mount Baker Volcano Research Center.

- Social Networking
 - IVM-Fund created a presence on Facebook and Linked-In in 2009 in an effort to make use of online social networking to get the name of our organization in the global community.
 - At the end of 2009, we had 37 connections on Linked-In and 103 fans on Facebook.
 - We plan to continue expanding online social network to advertise the IVM-Fund and direct individuals to the website to make donations.



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Fundraising in 2009

- In 2009, the IVM-Fund raised US\$520 from ten separate donors. We received donations directly through the website and as personal checks.
- Non-monetary donations to the IVM-Fund in 2009 included: a prototype IVM-Fund T-shirt from Jo Vos and fifteen IVM-Fund baseball caps from Cayley Vos.
- Ray Witter, Ryan Wilson, and Kelly Franz donated their time to provide support to IVM-Fund expeditions to the Dorr Fumarole Field on the flank of Mt. Baker volcano.

Expenditures in 2009

- Spent \$576 on volcano monitoring instruments that are used to quantitatively measure steam flux. This amount nearly equals the \$600 received as donations in 2008.
- Spent \$19 on office supplies (paper for business cards).
- Allocated \$155 for expenses associated with registering the IVM-Fund as an extraprovincial society in BC.
- Unspent and/or unallocated funds in the IVM-Fund U.S. dollar bank account at the end of 2009 amounts to US\$480.

Projects for 2010

- Register as an Extraprovincial Society in British Columbia.
 - This step is required to raise funds in Canada.
 - The BC arm of the IVM-Fund is required by law to have a minimum of five directors.
 - The directors will be: Jeff Witter, Amanda Witter, Malaika Ulmi, Dave Tucker (Director of the Mount Baker Volcano Research Center), and Dr. Glyn Williams-Jones (Professor of Volcanology at Simon Fraser University).
- Gain tax-exempt status in British Columbia so that we can better fundraise in Canada.
- Strengthen collaborations with our colleagues at the University of Colima and CSAV, raise money, and then purchase volcano monitoring instruments for them.
- Continue work at Dorr Fumarole Field with another expedition in the summer of 2010 to measure steam flux from the steam vents.

Fundraising Initiatives and Goals for 2010

- Friends & family and other online donations (\$1500)
- T-shirt drive (\$2000)
- Goal: from these sources is to raise a total of US\$3500 in 2010
- Purchase and deliver volcano monitoring instrument(s) for Colima and/or a CSAV graduate



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Long-term Fundraising Vision

- Continue to raise funds through online donations and other fundraising initiatives.
- Eventually establish a \$500,000 endowment from other, yet to be identified funding sources.
 - Invest conservatively to return ~5% annually (or ~\$25,000 per year)
 - Spend the annual return each year, yet preserve the endowment, and annually purchase volcano monitoring instruments for distribution to volcanoes that need them.
 - Only by having a continuous and dependable source of funding can we create long-term relationships with developing world volcano monitoring programs to help expand their volcano monitoring networks, update equipment with newly developed technologies, and replace broken, vandalized, or destroyed equipment.
 - With the ~\$500 we have in the bank now, we are only about 0.1% towards our \$½ million endowment goal...but it's a start!

Thank you all for your continued support!

Best regards,

Jeff Witter

President and CEO

International Volcano Monitoring Fund

A tax-exempt 501(c)(3) nonprofit organization (under U.S. Law and the Internal Revenue Code) and soon to be a tax-exempt Extraprovincial Society of British Columbia