

Dear Colleagues,

Here is the June issue of the AGU Volcanology, Geochemistry and Petrology section newsletter. This, together with other VGP news, can be found at the [VGP Web site](#). Please send any future news items to [Sarah Fagents](#).

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(1) MESSAGE FROM THE VGP PRESIDENT

- AGU Publications

Perhaps one of the most significant changes to AGU publications for many years is the decision by the AGU Board to pursue the option of outsourcing its publications. AGU has provided the following generic statement to be circulated to members:

“There continue to be major changes in AGU. For the last few years, publications have been discussed extensively by Council and the transformation of AGU’s publications was identified as a high priority objective in the Strategic Plan. Recently, the AGU board reached a decision to evaluate partnering with a third party publisher for production, sales and marketing aspects of AGU’s publications. This decision followed a third party external review by Rising Tide of AGU’s publications, which involved widespread consultation with Council, editors and the Publications Committee. The decision is based on both scientific and organizational considerations. In order to ensure that the scientific criteria for evaluating potential partners is well developed, the leadership of all sections and focus groups have been invited to share their input and to provide comment on initial criteria as developed by the Board and Publications Committee.”

This decision will herald a new era of progress in AGU publications, as well as bring considerable benefits to AGU in terms of finances and reduction of risk at a time when there are major changes and uncertainties about the future of scientific publishing. AGU will retain ownership of copyrights and content, responsibility for all editorial control and oversight through its journal editors and Publications Committee. The decision also brings many opportunities for innovation. The outsourcing organization will be the platform for production, distribution and marketing, so will only handle the more mechanistic aspects of publication. There will be joint decision-making for journal strategies, including pricing and the business model. AGU and its members will benefit from advanced technologies, worldwide sales and distribution, mitigation of risks in an uncertain publishing environment, reduced capital investments by AGU and improved financial performance of journals through economies of scale.

AGU expects to make a decision on outsourcing and identify the commercial organization in July. Over the next few weeks AGU seeks views of members through Council on the key criteria that should inform the contractual arrangement with an outsourcing organization. If you would like additional information or would like to comment on the draft criteria please forward your input to me ([Steve](#)

[Sparks](#)) before 10 June and I will forward your comments to AGU Council.

- VGP collaborations

VGP is actively collaborating with other organizations. Catherine McCammon provides a report on the collaboration with the European Geosciences Union (EGU) in this newsletter. There will be joint sessions with both the Geochemistry, Mineralogy, Petrology and Volcanology (GMPV) division of EGU and the Mineralogical Society of America (MSA) at the AGU Fall Meeting. The Dana Medal Lecture will be delivered by medallist Max Schmidt at the Fall Meeting in the session entitled "Metamorphic and Magmatic Processes at High Pressure." MSA will be joining in the VGP reception, where the Dana Medal will be awarded, as well as the Bowen and Kuno Awards.

- Daly Lecture

I have great pleasure in announcing that the 2012 Daly Lecture will be delivered at the AGU Fall meeting by Professor Jay Ague (Yale University). The choice of Daly lecturer is in the President's hands and I am certain Jay will give an outstanding lecture in the tradition of Daly lectures over the years. It is one of the highlights of the Fall meeting for VGP members.

- Remember to vote

Elections are coming up for AGU Officers in September. VGP Section has an outstanding slate of candidates and I would like to record my thanks to the Nominations Committee chaired by Bill McDonough for their work. I would also like to thank the candidates for standing. Irrespective of the result it is heartening to know that volunteerism is alive and well, and standing for election for positions that support the community is vital. It's very important that as many members as possible with VGP affiliation vote.

The candidates are:

VGP President-Elect: Catherine Chauvel and Tetsuo Irifune

Volcanology and Petrology Secretary: Don Baker and Alison Rust

Geochemistry Secretary: Vickie Bennett and Qing-zhu Yin

Many thanks for your input on this important matter.

Steve Sparks

VGP President

(2) VGP COOPERATION WITH GMPV (EGU)

The GMPV (Geochemistry, Mineralogy, Petrology, and Volcanology) Division of EGU closely parallels the scientific interests of VGP. We co-sponsored four scientific sessions at the recent [EGU Meeting](#) in Vienna. All co-sponsored sessions were prominently featured in the daily conference newspaper and all were well attended. Katie Kelley gave the inaugural Kuno award lecture and participated in "Meet the Master" at the poster sessions. Everyone involved felt that the VGP-GMPV partnership worked well at this meeting and were pleased with its success. Thanks go to Steve Sparks and Nick Arndt for their efforts in putting together the programme.

We are pursuing further initiatives between VGP and GMPV. Several sessions at the 2012 Fall AGU meeting will be co-sponsored by GMPV (see item 5 below), which will bring more widespread promotion for these sessions and the potential for sponsorship of (for example) student awards. The scientific programme for EGU 2013 will come together in late summer 2012, and we encourage you to consider proposing a session. Please contact one of us if you are interested. Further details will be posted on the VGP website when they are available.

Questions or ideas? Contact VGP President-Elect [Catherine McCammon](#) or GMPV President [Nick Arndt](#).

(3) STUDENT AWARDS COMMITTEE NEWS

- VGP Outstanding Student Paper Awards 2011

Six VGP students received awards for outstanding presentations at the National Fall Meeting in 2011. The recipients and their presentations were:

Fanny Garel, Inst. Phys. Globe Paris, Experimental study of the surface thermal signature of gravity currents: application to the assessment of lava flow effusion rate.

Alicia Hotovec, Univ. Washington, Examples of earthquakes as a source of volcanic tremor.

Noah McLean, MIT, Quantification of mass independent fractionation in Pb by TIMS and implications for U-Pb geochronology.

Patricia Nadeau, Michigan Tech. Univ., High temporal SO₂ emission rate data as part of a multiparameter approach to studying summit vent activity at Kilauea volcano.

Megan Newcombe, Caltech, Zonation of volatile and major elements in basaltic melt inclusions: a snapshot of syn-eruptive processes.

Kaori Tsukui, Lamont-Doherty, Magnetostratigraphy and high precision U-Pb zircon geochronology of the Middle Eocene Bridger Formation, WY: Calibration of the Eocene GPTS.

These students were selected for awards from among the 284 student presentations in VGP sessions at the meeting. Congratulations to all the awardees and to all student members who contribute so much to the vitality of our meeting. Our collective thanks go out to the 122 members of AGU who took time at the meeting to support our students by judging their presentations.

- Call for Volunteers

The VGP Student Awards Committee needs new volunteers each year to support the Outstanding Student Paper Awards program. The Committee consists of approximately a dozen members of AGU whose primary duties are to help coordinate the recruiting of judges prior to the Fall Meeting, participate in judging at the meeting, and select the awardees after the meeting. The Committee also advises AGU concerning the awards program.

Service on the Committee is an excellent opportunity to make a major impact on the education of our student members from around the world. Members wishing to volunteer for service on this committee

should submit a cover letter and C.V. to [Steve Sparks](#).

Howard Day
Chair, Student Awards Committee

(4) 2012 BRUNO MARTINELLI TRAVEL FELLOWSHIP

AGU is currently accepting applications for the Bruno Martinelli Travel Fellowship. This fellowship provides funding for Latin American science graduate students or early career scientists to attend and present a paper on volcanic processes at the 2012 Workshop of the European Seismological Commission: Geophysical and Geodetical Techniques for Monitoring and Analysis of Submarine Eruptions in El Hierro, Canary Islands, Spain, 14–21 September 2012.

Further information on the workshop, fellowship eligibility, and application procedures can be found on the [AGU Web site](#).

The application deadline is 30 June 2012.

(5) VGP SESSIONS AT THE AGU FALL MEETING, SAN FRANCISCO, 3–7 DECEMBER 2012

The abstract submission site for the AGU Fall meeting opens 12 June, and the deadline for abstracts is 8 August. Look through the numerous (50+!) VGP-sponsored sessions to find the ones that most interest you. Note that session numbers have not yet been assigned, so these are just in alphabetical order here. Try to find a session that aligns with your contribution. If there isn't one, submit to the general session (VGP general contributions, which is normally V01). VGP cosponsors sessions with many other sections and focus groups (listed after the VGP sessions). Your interests may match well with such a session. Check the AGU [Fall Meeting 2012 Web site](#) for details.

This year the Mineralogical Society of America and the Geochemistry-Mineralogy-Petrology-Volcanology section of the European Geophysical Union are cosponsoring many of our sessions, and MSA is cosponsoring several sessions in other sections/focus groups. To find those sessions, search on titles. The end of the title will say either ": Cosponsored by MSA" or ": Cosponsored by EGU-GMPV". See examples for VGP below.

VGP Sessions:

- A Comprehensive Understanding of the Melting Processes at Subduction Zones
- Advances in Characterization of Geothermal Systems
- Calderas I: Genesis, Evolution, and Eruption of Large Silicic Magma Chambers - Petrology and Thermal Evolution
- Calderas II: Collapse Dynamics, Unrest and Resources - Understanding Caldera Structure and Development
- Combining Petrological Studies of Volcanic Systems with Geophysical, Gas and Other Information Sources - Connections Between Metamorphism and Magmatism in Subduction Zones: Cosponsored by MSA
- Crystal Growth and Dissolution in the Laboratory
- Decoding the Textural Record in Volcanic Rocks: Advances in Experimental and Numerical

Petrology

- Early Earth Differentiation: Cosponsored by EGU-GMPV
- Earth Materials at the Mesoscale: Characterization and Application: Cosponsored by MSA
- Erupt, Rest, Repeat: The Nature of Cyclic Behavior in Volcanic Systems
- Experimental Modelling of Volcanic and Magmatic Processes: Cosponsored by EGU-GMPV
- Geodynamics and Geochemistry of Orogenic Plateau Magmatism
- Geodynamics of the Yellowstone Hotspot and its Track, the Snake River Plain Volcanic Field
- Geologic Maps as a Basis for Integrated Studies in Volcanology and Tectonics
- High Resolution Geochronology
- Innovations in Geothermal Exploration - Geology, Geophysics, Drilling
- Innovations in Isotope Mass Spectrometry and Isotope Metrology in Geosciences
- Integrated Multidisciplinary Constraints on Composition and Structure of the Lithosphere
Mantle
- Interactions Between Water and Earth Materials: Cosponsored by MSA
- Magma Properties and Degassing Behavior: Cosponsored by MSA
- Magmatism and Global Environmental Change - Contributions
- Mantle Plumes: Origin, Dynamics and Evolution: Cosponsored by EGU-GMPV
- Melt Evolution During Segregation and Ascent Through the Lithosphere
- Metamorphic and Magmatic Processes at High Pressure: Cosponsored by MSA
- Metasomatism: Geochemistry, Petrology, Ore Deposits, Geophysics: Cosponsored by MSA
- Microanalysis in Geoscience: Advances and Challenges: Cosponsored by MSA
- Minerals and Assemblages, and their Effects on the Structure and Dynamics of the Mantle
- Monogenetic Volcanism
- Near-Field Remote Sensing Techniques to Monitor and Assess Topographic Change and
Related Hazards at Active Volcanoes
- New Developments in Imaging Volcanic Phenomena
- New Developments in Petrology Addressing Precambrian Tectonics and Environments for Life
- Petrologic Insights on Magmatic Processes Controlling Shifts in Eruption Style: Cosponsored
by MSA
- Physics and Chemistry of Deep Carbon: Cosponsored by MSA
- Quartz, Two Feldspars, and a Fluid Phase: Phase Equilibrium and the Origin, Evolution and
Eruptive Dynamics of Silicic Magmas: Cosponsored by MSA
- Quaternary Tephrochronology: Advances and Applications
- Serpentinization and Dehydration as Major Processes for Deep Earth Elemental Cycling Space,
Time, and Transport in Petrology and Geochemistry: Cosponsored by MSA
- Subduction-related Magmatism and Volcanism of the Lesser Antilles Arc and Associated
Geohazards: Cosponsored by EGU-GMPV
- Submarine Volcanism and Glaciovolcanism: Similarities and Differences
- Technological Advances in the Monitoring and Study of Active Terrestrial and Submarine
Volcanic Processes
- The Emissivity of Hot Lava: Experimental Advances, Theoretical Modeling, and Implications
for Remote Sensing
- The Mush Model: Paradigm or Straitjacket?
- The Role of Fluids in Evolving Magmatic-Hydrothermal Systems
- Thermal Budgets, Rheology and Thermo-Rheological Feedbacks in Magmatic Systems.
- Towards Improved Constraints on Volcanic CO₂ Emissions

- Tracing Earth Surface and Critical Zone Processes Using Innovative Isotopic Approaches: Cosponsored by MSA
- Transport, Sedimentation, and Dynamics of Pyroclastic Density Currents
- UHPM Terranes: a Look Inside Through Mineralogy, Mineral Reactions, Geochemistry, Geochronology, Tectonics and Numerical/Experimental Modeling
- Volatiles in Volcanic Glasses - Discriminating Between Primary and Secondary Volatiles
- Volcanic Ash Dynamics 1: Formation and Transport
- Volcanic Ash Dynamics 2: Aggregation and Deposition
- Volcanology, Geochemistry and Petrology General Contributions
- Vulcanian Eruptions: Field Observations, Experimental Constraints, and Integrated Modeling
- What Can Pyroclasts Tell Us?

Union Sessions closely connected with VGP (just for information; abstracts are by invitation only):

- Climate and Biogeochemistry of the Neoproterozoic
- Magmatism and global environmental change
- Oxygenation of the Earth
- Results from Mars Science Laboratory Mission Four Months After Landing

Other Sections and Focus Groups with VGP-cosponsored sessions:

- Atmospheric Sciences
- Biogeosciences
- Cryosphere
- Earth and Planetary Surface Processes
- Earth and Space Science Informatics
- Education
- Geodesy
- Geomagnetism and Paleomagnetism
- Global Environmental Change
- Hydrology
- Mineral and Rock Physics
- Natural Hazards
- Near-Surface Geophysics
- Non-Linear Geophysics
- Ocean Sciences
- Paleoceanography and Paleoclimatology
- Planetary Sciences
- Public Affairs
- Seismology
- Study of Earth's Deep Interior
- Tectonophysics

Other Sections and Focus Groups with MSA-cosponsored sessions:

- Earth and Planetary Surface Processes
- Mineral and Rock Physics
- Planetary
- Study of Earth's Deep Interior

Thanks for your abstracts,
Matt Kohn and Julia Hammer, VGP co-secretaries