



**European Geosciences Union
General Assembly 2012**

Vienna | Austria | 22 - 27 April 2012

EGU.eu



GMPV

Division Meeting 2013

Nicholas Arndt

EGU General Assembly

7-12 April 2013 | Vienna | Austria

EGU Status:

- About 8000 members
- 22 Divisions
- > 11,000 people attend the General Assembly
- 13 515 abstracts in 2012
- Union Awards, plus Division Awards
- Several conference series, topical meetings, short courses, summer schools, primarily organized yearly
- 15 open-access scientific journals, plus other publications and newsletters

Present GMPV Officers:

PRESIDENT: **Nick Arndt**

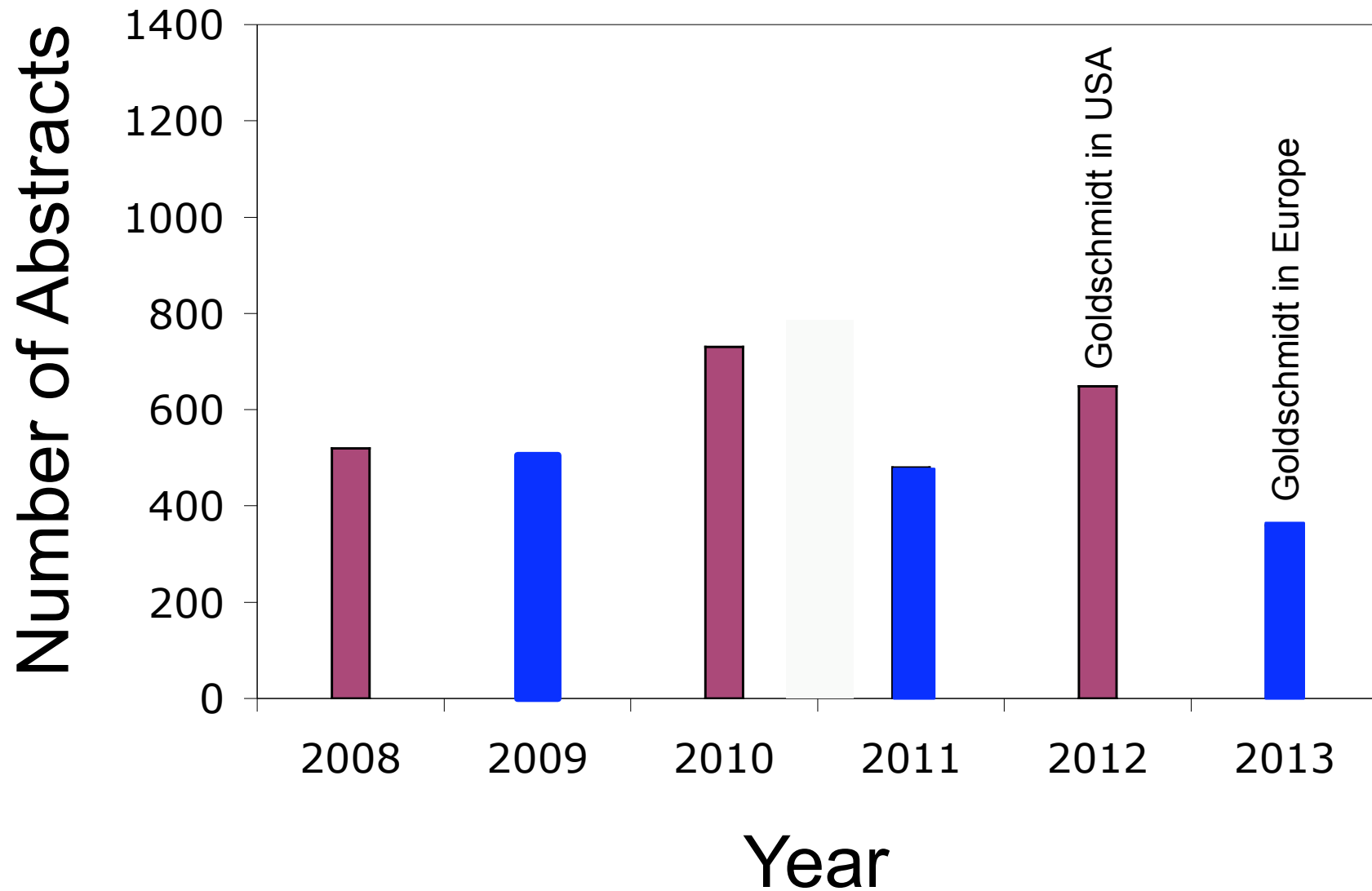
SECRETARIES: **Alexandra Gurlan** (Geochemistry)

Max Wilke (Mineralogy – last term)

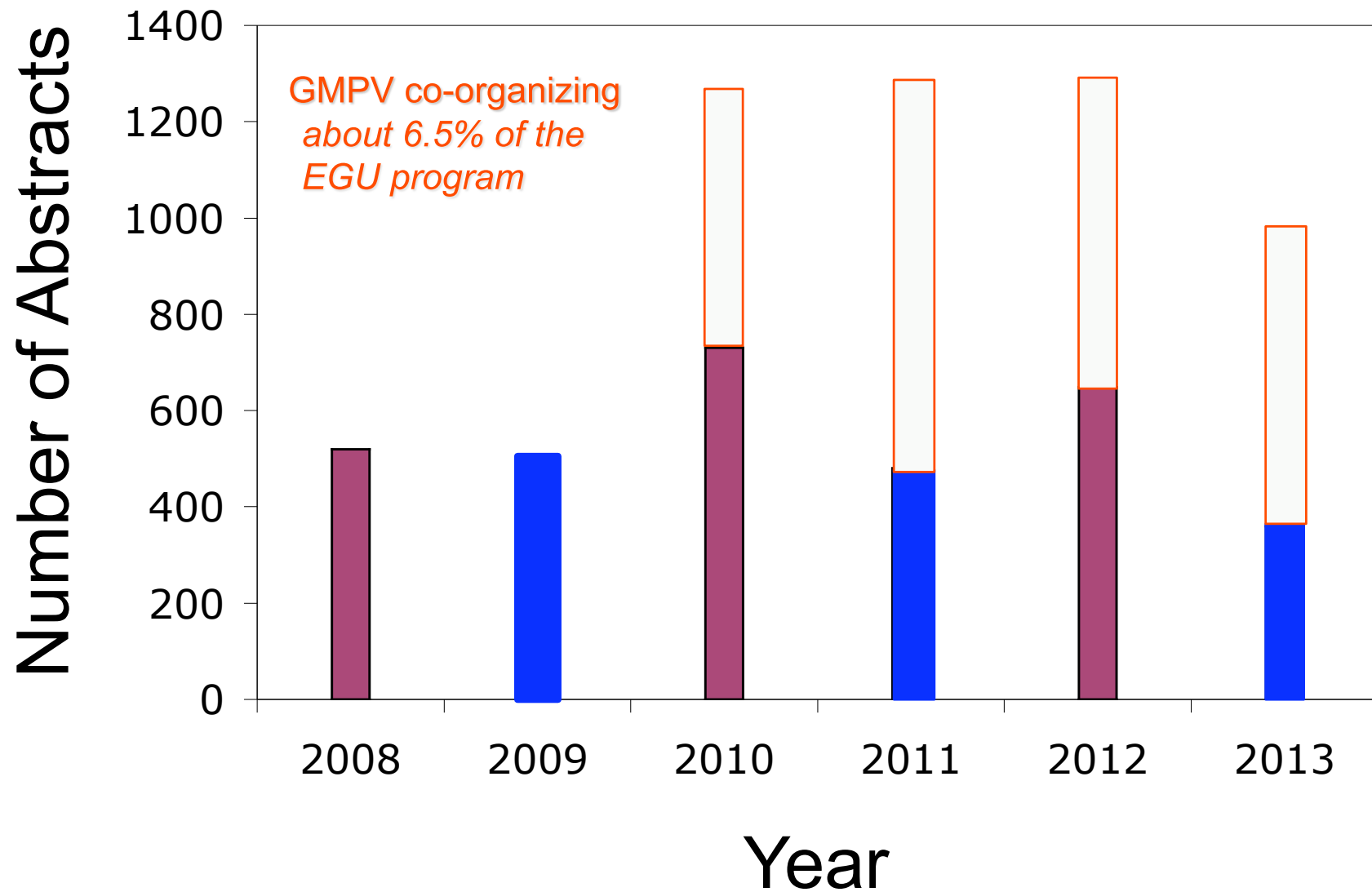
Rais Latypov (Petrology)

Mike Burton (Volcanology)

Abstracts in GMPV sessions



Abstracts in GMPV sessions



GMPV Robert Wilhelm Bunsen Medal

initiated in 2005



The GMPV Robert Wilhelm Bunsen Medal
recognizes distinguished research in
Geochemistry, Mineralogy, Petrology & Volcanology

Nominations for all the medals and Union Service Award are to be sent to
awards.medals@egu.eu by 31 May of each year, in pdf format.

<http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates.html>



2013:
Catherine
McCammon



2012:
Bill
McDonough



2011:
Micheal
Manga



2010:
Mark
Ghorso



2009:
Jonathan
Stebbins



2008:
Don
Dingwell



2007:
Hugh
O'Neill



2006:
Pascal
Richet



2005:
Terry
Seward

GMPV Robert Wilhelm Bunsen Medal

Awarding Committee:

- Paolo Papale, Chair
- Michael Manga
- William McDonough
- Catherine McCammon

Nominations required: June 15 deadline

<http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates.html>

Arne Richter Award for Outstanding Young Scientists:

Union medal recognizes scientific achievements in any field of the Geosciences, made by a young scientist

Nominations for the Outstanding Young Scientist Award are to be sent to the **Awards Committee**, in pdf format, by **15 June of each year**

<http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates.html>

GMPV Outstanding Student Poster award (OSP)

The GMPV Outstanding Student Poster award recognizes the 4 best posters presented each year by young students** at GMPV sessions of the EGU General assembly

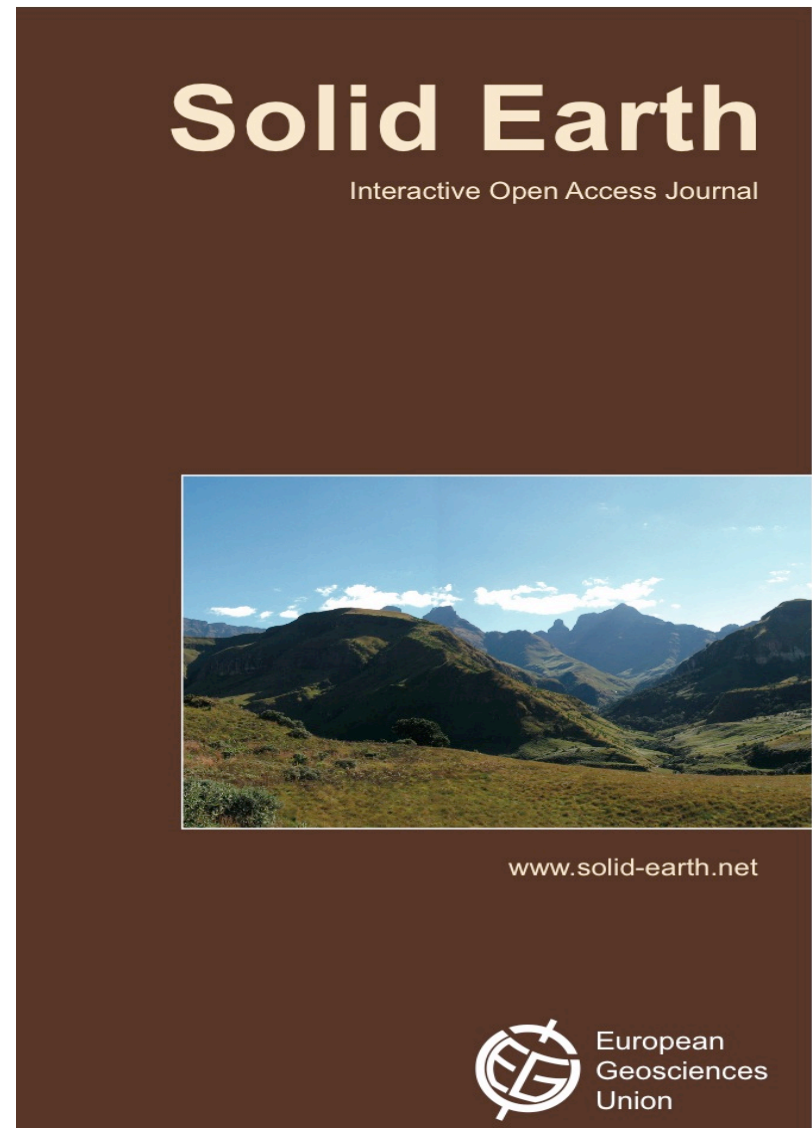
Students subscribe by clicking on a button upon abstract submission

- Solid Earth -

- open access
- public peer review & interactive public discussion

Solid Earth now has:

- Four volumes 2010 - 2013
- > 50 papers
- SNIP index (Scopus) = 0.91
- ISI impact factor due in June



GMPV website

http://www.egu.eu/gmpv/

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EGU - Division on Geochemistry, ...

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Division on Geochemistry, Mineralogy, Petrology & Volcanology (GMPV)

President: Nicholas Arndt, gmpv@egu.eu
Vice-President: Mike Burton, burton@pi.ingv.it

About GMPV

The Geochemistry-Mineralogy-Petrology-Volcanology division includes disciplines that are fundamental to, but not restricted to studies of the solid earth. Important themes include the nature, composition, structure of the Earth's mantle; the composition, origin and evolution of the oceanic and continental crust; the formation and crystallization of magmas; the chemical compositions of igneous, metamorphic and sedimentary rocks; element transfer between the surface envelopes of the earth; volcanoes and volcanism. While most of these studies fall in the realm of fundamental research, studies of pollution in the surface or subsurface waters, the formation of ore deposits, and the environmental impact of volcanism are examples of more applied research.

The GMPV division collaborates with the VGP division of the American Geophysical Union, and with professional societies like the European Association of Geochemistry and the European Mineralogical Union.

Some activities of the GMPV division are illustrated by sessions from EGU general assemblies:

Subduction processes: geochemical inputs and outputs

Depth (km)

Distance from trench (km)

No vertical exaggeration

Back-arc basin Spreading axis Arc crust Lithospheric Mantle

Magmatic arc Magmatic front 500°

Forearc Forearc basin Accretionary prism Trench Outer trench high

Subducting lithosphere 1000°C

Convecting Asthenosphere

Partial melt diapir

Areas of melt generation

Fluid pathways

- Oceanic crust
- Asthenosphere motions
- Plate motions
- Partial melt diapir
- Areas of melt generation
- Fluid pathways

Next EGU General Assembly venue

2014-19: Vienna

2019-24: Vienna (probably)

Next GA – how and when you can contribute

- *Support Division Secretaries by suggesting new sessions – from now on*
- *Provide proposals for new sessions through the EGU web – from June to September (see the web and your e-mailbox)*

Once you are session convener, be pro-active: advertise your session, solicit contributions, etc.

URL for feedback about the EGU
GA 2013

(and suggestions for EGU GA 2014):

EGU2013.eu/feedback

GMPV (EGU) and VGP (AGU) are seeking closer cooperation

- Organization of joint sessions
- Kuno lecture at EGU

Items under discussion

- Common identification of themes for the scientific sessions at EGU and AGU General Assemblies
- Opening of the Division mailing lists to both Divisions
- Cross-participation in Medal and Award committees

Other issues

- open session – how should it be organized? Any volunteers?
- evening slot of division meeting
- program – too many overlaps?

PICOs - what do you think or
them?