



**Circular No 8
March 2014**

www.globalheritagestone.org

**Information and discussion on the 'Global Heritage Stone Resource' (GHSR)
a new international designation recognising natural stone resources
that have achieved widespread utilisation in human culture**

**This project operates as a "Task Group" of the "International Union of Geological Sciences" (IUGS) and
under "Commission C-10 Building Stones and Ornamental Rocks
of the International Association of Engineering Geology and the Environment" (IAEG C-10)**

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OPENING MESSAGE

HSTG has continued to be very busy over the past few months.

First of all we now have a formal logo that has been placed at the head of this Circular. Thank you, Lola Pereira, for your effort in designing this symbol.

Over the past few months Board members have been very involved in gathering, reviewing and editing an initial volume of papers on heritage stone as a Special Paper of the Geological Society of London. It will be entitled "Global Heritage Stone: Towards international recognition of building and ornamental stones" Vice President East Asia, Hirokazu Kato, has also initiated a separate proposal to compile a volume entitled "Stone Heritage in East and Southeast Asia".

Over the next few months heritage stone enthusiasts will gather at the European Geoscience Union (EGU) General Assembly in 2014 in Vienna, Austria and at Geological Society of America North Central Section meeting in Lincoln, Nebraska.

Our major conference for 2014 will be held in Turin, Italy, 15-18 September 2014, as a session entitled "Building stones & Ornamental rocks - Resource Evaluation, Technical Assessment, Heritage Designation" within the 12th IAEG conference. A volume of papers will be published for this conference and over the past few months Board members have also been busy arranging reviews and editing this volume.

Most importantly a Review Form has recently been drafted that will guide future GHSR assessment. A copy of this Review Form accompanies this Circular and is open for comment. It is envisaged that this form will be completed by two members of the HSTG Board with subsequent submission to the full HSTG board for consideration.

Our numbers of HSTG correspondents continue to increase. As of 1 March 2014 we have 221 members from 50 countries. Over the next few months, you will receive a special information request. The aim of this request is to obtain a standard amount of information about you all and your interests in Heritage Stone.

As per routine, please feel free to nominate additional HSTG Corresponding Members at any time.

Barry Cooper
Secretary General

SUMMARY DIARY OF FUTURE HERITAGE STONE MEETINGS

April 24-25, 2014

The North Central Section meeting of the Geological Society of America to be held, in Lincoln, Nebraska, USA is featuring heritage stone in a session entitled “Cultural Geology: Capitol Buildings, Heritage Stone, Parks, and More”

Please see the website www.geosociety.org/Sections/nc/2014mtg/

April 27 - May 2, 2014

The European Geoscience Union (EGU) General Assembly to be held in Vienna, Austria has a session entitled “Natural stone research and Heritage stone designation”. Please see www.egu2014.eu/home.html for details.

September 15-18, 2014.

The XII IAEG conference to be held in Turin, Italy will be principal 2014 Heritage Stone conference for 2014. It has been planned as part of the in a session entitled “Building stones & Ornamental rocks - Resource Evaluation, Technical Assessment, Heritage Designation”.

Please see <http://www.iaeg2014.com/>

October 22-25, 2014

The 5th Global Stone Congress is planned in Antalya, Turkey with a full range of natural stone topics. Abstracts are due by 25 April 2014, with an early registration deadline of 23 May 2014. Please watch www.globalstone2014.org/ for further details.

November 1-4, 2015

The principal Heritage Stone conference in 2015 is being planned as part of the Annual General Meeting of the Geological Society of America in Baltimore, Maryland USA. Please watch www.geosociety.org/meetings/ for details.

August 27– September 4, 2016

The 2016 conference will likely be linked with the 35th International Geological Congress to be held in Cape Town, South Africa.

NORTH CENTRAL SECTION MEETING, GEOLOGICAL SOCIETY OF AMERICA, LINCOLN, NEBRASKA, USA, 24-25 APRIL 2014

This conference is featuring heritage stone in a session entitled “Cultural Geology: Capitol Buildings, Heritage Stone, Parks, and More” This session has been scheduled on Friday afternoon 25 April starting at 1.30pm and concluding at 5.00 pm. Abstracts are also available at www.geosociety.org/Sections/nc/2014mtg/ .

The session papers are as follows:

- STONES FOR A CAPITOL: THE BUILDING AND DECORATIVE STONES OF THE NEBRASKA CAPITOL
Hannibal, Joseph T

- DOCUMENTATION OF SURFACE RELIEF CHANGES CAUSED BY ABRASIVE CLEANING SYSTEMS AT THE NEBRASKA STATE CAPITAL
Shotwell, Brad,

- GEOLOGY OF THE WISCONSIN STATE CAPITOL
McCartney, M. Carol

- CHARTING CAPITOL GEOLOGY: TRENDS IN STONE TYPE, AND GEOGRAPHIC ORIGIN OF STONE, USED FOR STATE CAPITOLS
Hannibal, Joseph T

- GOVERNMENT AND GRAVICALYMENE: ATHENS MARBLE AND THE CONSTRUCTION OF PUBLIC BUILDINGS IN THE LATE 1800s
Kluessendorf, Joanne

- A LONG HISTORY AND BRIGHT FUTURE: INDIANA LIMESTONE
Shaffer, Nelson

- BUILDING A NATION: INDIANA LIMESTONE PHOTOGRAPH COLLECTION
Weber, Licia A

- ON THE ROAD; GRAVEL, CLAY, AND LIMESTONE PAVING THE WAY
Lundy, Sherman,

- A MULTIYEAR STUDY OF HISTORIC MILLSTONES IN OHIO
Hannibal, Joseph T.; Hoehn, Jack R.; Resar, Nicholas A.; Yeakley, Julia;
Kalka, Theresa A. and Fusco, Veronnica

EGU GENERAL ASSEMBLY, VIENNA, AUSTRIA APRIL-MAY 2014

The following presentations (with authors) at the coming General Assembly of European Geoscience Union (EGU) in Vienna have been accepted under the session entitled “Natural stone research and heritage stone designation” This session will be held on Monday 28 April 2014:

- Porphyry of Russian Empire in Paris.
Andrey Bulakh
- “Petit Granit”: a Belgian limestone used in heritage, construction and sculpture.
Dolores Pereira, Francis Touneur, Lorenzo Bernáldez, and Ana García Blázquez
- "Piedra Franca": the same name for many different natural stones.
Dolores Pereira, Rafael Navarro, and Jose Manuel Baltuille
- Bath Stone - A possible Global Heritage Stone from England.
Brian Marker
- Microbial monitoring in treated stone at the Royal Chapel of Granada.
Fadwa Jroundi, Guadalupe Pinar, Maria Theresa González-Muñoz, and Katja Sterflinger
- The historical and cultural heritage from Brazil: rocks and deterioration patterns.
Antônio Costa
- Monitoring of the Heat and Moisture Transport through Walls of St. Martin Cathedral Tower in Bratislava. Ludovít Kubičár, Ján Hudec, Danica Fidiriková, Vladimír Štofanič, Peter Dieška, and Viliam Vretenár
- Carrara Marble: a nomination for Global Heritage Stone Resource Piero Primavori
- Characteristic roofing slates from Spain: Mormeau and Los Molinos.
Victor Cardenas Van den Eynde, Veerle Cnudde, and Jean Pierre Cnudde
- Digitalization of the exceptional building and decorative stones collection of the Natural History Museum Vienna
Ludovic Ferrière and Christian Steinwender
- Limestone types used from the classic Karst region in Slovenia.
Sabina Kramar, Breda Mirič, Ana Mladenović, Boštjan Rožič, Mojca Bedjanič, Jože Kortnik, and Andrej Šmuc
- The Dala (Älvdalen) Porphyries from Sweden Anders Wikström,
Dolores Pereira, Thomas Lundqvist, and Barry Cooper

- Quality assessment of the melanocratic basalt outcrops for the mineral fiber producing, Southern Urals, Russia.
Antonino Pisciotta, Boris V. Perevozchikov, Boris M. Osovetsky, Elena A. Menshikova, and Konstantin P. Kazymov
- Berroqueña stone of Madrid (Spain). A traditional and contemporary building Stone.
David Martin Freire Lista, Rafael Fort, and M^aJosé Varas Muriel
- “Azul Platino”: another Spanish natural stone to be considered as Global Heritage Stone Resource.
Juan José Tejado, M. Isabel Mota, and Dolores Pereira
- “Gris Quintana”: a Spanish granite from the Past into the Future.
Juan José Tejado, M. Isabel Mota, and Dolores Pereira
- “Sydney sandstone”: Heritage Stone from Australia.
Barry Cooper and Sabina Kramar
- Purbeck Stone - A possible Global Heritage Stone from England.
Brian Marker
- Traces of the heritage arising from the Macelj sandstone.
Mateja Golež

All Correspondents are invited to participate. Please see www.egu2014.eu/home.html for registration details.

HERITAGE STONE CONFERENCE - TURIN, ITALY – 15-18 SEPTEMBER 2014

The principal Heritage Stone conference in 2014 has been planned as part of the XII International Association for Engineering Geology and the Environment (IAEG) conference to be held in Turin, Italy, 15-18 September 2014.

Heritage Stone is part of Session 5.3 entitled: “Building Stones & Ornamental Rocks: Resource Evaluation, Technical Assessment, Heritage Designation”. Convener: Björn Schouenborg - Co-conveners: Barry Cooper, Lola Pereira, Brian Marker, Sabina Kramar, Linda Lundgrenat

The deadline for offers of papers has already passed and a volume of papers is now being compiled that will be available at the conference.

A formal HSTG Business Meeting will be held during the conference as well as an associated Stone Workshop.

Obviously all correspondents are welcome to participate in this conference. Registration is available www.iaeg2014.com/

INITIAL HSTG BOARD REVIEW OF GHSR NOMINATIONS

The time has come when HSTG needs to establish specific procedures to approve a heritage stone that has international significance, that is, become formally a “Global Heritage Stone Resource” (GHSR).

HSTG Terms of Reference states that this responsibility rests with the HSTG Board however there needs to be a fixed procedure by which the HSTG Board carries out its responsibility.

Over recent months the HSTG Board has drafted a Review Form that is suitable for this assessment. A copy of this Review Form accompanies this Circular and is open for comment from all HSTG Correspondents.

Most notably the Review Form is completed by two members of the HSTG Board with subsequent submission to the full HSTG Board for consideration. The HSTG President and Secretary General have no vote, except to advise/adjudicate.

The review primarily asks questions about the adequacy of data that has been either requested on the Nomination Form or listed in the HSTG Terms of Reference.

It is anticipated that the first GHSR nominations will be approved by the HSTG Board by the end of 2014 with final publication of this approval in “Episodes” and the “Global Heritage Stone Circular”

It is expected that the first GHSR nomination to be considered will be Portland Stone from the United Kingdom.

INAUGURAL HERITAGE STONE VOLUME – GEOLOGICAL SOCIETY OF LONDON

Editing and compilation of the first heritage stone volume is almost complete with the title: “Global Heritage Stone: Towards international recognition of building and ornamental stones”. The Editors are Lola Pereira (Corresponding Editor), Brian Marker, Sabina Kramar, Barry Cooper and Björn Schouenborg.

The book includes many presentations that were first given at the First Heritage Stone Conference in Vienna, Austria in April 2013. It will be published as a Special Paper of the Geological Society of London.

The book has been designed as the first of several volumes years that will discuss and document heritage stone.

In the next few months, those contributions that have reviewed and accepted will be available on line at the Geological Society of London website.

CCOP HERITAGE STONE BOOK PROJECT IN EAST/SOUTHEAST ASIA

At the 49th Annual Session of the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP), held in Sendai, Japan on 20-24 October 2013, Vice President East Asia, Hirokazu Kato, successfully initiated a proposal to publish a volume entitled "Stone Heritage in East and Southeast Asia".

It was agreed that the book would comprise national contributions compiled, edited and assembled during 2014 with anticipated papers from Cambodia, Indonesia, Japan, Korea, Malaysia, Philippines, Papua New Guinea, Thailand and Vietnam. There is also involvement from Timor Leste. Publication expenses will be borne by the Geological Survey of Japan. Volume Editors will be Dr Hirokazu Kato, Yoshihiko Shimazaki and Antony Reedman. The scheduled publication date is March 2015.

Congratulations to Hirokazu Kato for initiating the first project in Asia for heritage stone.

NEW HSTG CORRESPONDING MEMBERS

Since our last Circular the following people have been added to our list of HSTG Corresponding Members. Please welcome all these stone enthusiasts to the world of heritage stone.

Australia
David Lock
Keith McAllister

Cambodia
Hout Voracheat

Canada
Barrie Clarke

Indonesia
Sinung Baskoro

Ireland
Marwa Aly

Japan
Toshiro Uchida

Korea
Ju-Yong Kim

Norway
Gurli Meyer

Papua New Guinea
Arnold Lakamanga

Spain
Cárdenes Van den Eynde
James Douet
Rafael Navarro

Thailand
Chanchana Khamcha

Timor Leste
Helio Casimiro Guterres

Turkey
O. Serkan Angi

United Kingdom
Michael Halle

Vietnam
La Thu Phuc
Tran Tan Van

Do you know of other people or organisations that are interested in HSTG work? Please let us know, so they can be added to our list of correspondents. As of 1 March 2014 we have 221 corresponding members from 50 countries.

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**PLEASE ADDRESS ALL CORRESPONDENCE TO THE HSTG SECRETARY GENERAL, WHO IS ALSO
EDITOR AND COMPILER OF THIS CIRCULAR**