

Commission on Building Stones and Ornamental Rocks C-10

Annual report to the IAEG Executive committee, 2006

CORE MEMBERS AND CONTACT ADDRESSES

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The aims and objectives of C-10 are available on the C-10 website

<http://www.sgu.se/hotell/iaeg/Stone/IAEGstone.htm>

Last meeting, during IAEG Congress in Nottingham, 2006, members and attendants gave reports covering the period since the Istanbul, Lyon 2005 meeting.

Venue of next meeting: Still to be confirmed.

The C 10 meeting during the IAEG Congress in Nottingham was held as a workshop dealing with present and future research needs. The following presentations were made:

MIKA RAISÄNEN

Re-use of Leftover stones from dimension stone quarries in southeastern Finland

ANDREW MCMILLAN

"Indigenous stone resources for Scotland's Built Heritage".

BJORN SCHOUENBORG

I-Stone: Re-engineering the European Natural Stone Industry

ASOK TOROK

Dimension Stone in Hungary

HELOISA DE FRASCA

Exotic Stone

WON YOUNG KIM

Occurrence and Location of Dimension Stone Resources in Korea

ASHER SHADMON

Urban Quarry Concept

TIM YATES

Workshop on New Trends in Stone Development – The use of thinner stones for cladding

In addition, Asher Shadmon made a presentation of his talk later in the main conference:
Geotechnical Diagnostics of Dimension Stone

For complete minutes, see enclosure 2 of this report.

Events

Heloisa de Frasca attended the May 2006 CEN 246 Standards Meeting in Carrara

The annual meeting of EURO-ROC was held in Verona, during the fair. Dr. Schouenborg informed about IAEG and urged for collaboration between the two organizations.

Asher Shadmon attended the December 2006 CEN 246 meeting in Louvain Le Neuve.

Research

It is the intention of C 10 to compile information about ongoing RTD in the field of Natural stones. The largest European research project is presently the I-STONE project. See more under the homepage:

www.istone.ntua.gr

A Nordic project aiming at disseminating information about CE-marking requirements and implement necessary activities among the producers. Also to define needs for revision of European stone standards and to produce common regulations among the Nordic countries to enhance a free trade. See homepage:

www.nordicstones.org

ETP-SMR; European technological Platform – Sustainable Mineral Resources is a network aiming at introducing the needs of the natural stone industry into the European Commission's 7th Framework programme for Research and Innovation.

EURO-ROC has initiated a new network of stone testing laboratories in order to compile the experience in using the European standards for testing and for products. The objective is to use the knowledge as a basis for revision of the standards.

Publications

Stone in Scotland came finally of the press to be displayed in time at Nottingham and flyers distributed to all the participants at the Congress. Stone in Argentina is now in the pipeline.

Future Outlook

The core activities of C-10, monographs, standardization issues, classification and typology of stone will continue and at the same time promotion of other geotechnical aspects of stone. However, the Terms of reference is under review due to change of chairman and secretary from 2007 onwards! A formal decision will be taken at the meeting in Vail.

The proposed new chairman, Dr. Schouenborg is, together with Mika Räisänen (Secretary of C 17 Aggregates) Co-ordinating a separate theme in the 33rd IGC Congress in Oslo, 2008. See Enclosure 1.

The secretary post is proposed to be divided between Dr. Nike Luodes and Dr. Hannu Luodes from Finnish Stone Centre and Geological Survey of Finland respectively.

No date has yet been fixed for the next C 10 meeting due to a total revision and update of members. The IAEG Council meeting will not be combined with any C 10 meeting due to the restricted focus of the main conference on Landslides not being included in the activities of C 10.

Other matters

The committee also gratefully acknowledges the Executive committee's decision to give the quality of "IAEG honorary member" to Professor Asher Shadmon. Prof. Shadmon was the first president of IAEG. A special technical session was organized in his honour during the 10th IAEG Congress in Nottingham 2006.

We hereby also take the opportunity to express our thanks to Raimo Uusinoka who, for many years acted as C-10 Secretary and wish him a happy retirement. We look forward to his continued participation and support of C-10 activities.

**The 33rd International Geological Congress (IGC) held in Oslo
August 6 – 14th, 2008**

The organization of the IGC congress has asked IAEG for assistance in defining a special theme/session for geological construction materials. The 2nd circular can be downloaded from the homepage of the congress:

<http://www.33igc.org/>

Björn Schouenborg and Mika Räisänen have defined the different topics as follows and encourage IAEG members to give input.

CONSTRUCTION MATERIALS

The following proposals of themes and chairmen have currently been accepted:

1. General contributions to construction materials
Phil Paige Green, Peer-Richard Neeb and Björn Schouenborg
2. Geology, prospecting and land use planning of aggregate
and natural stone production
Sebastien Dupray and Atiye Tuğrul
3. Classification systems, testing of aggregates and available
production techniques
Ju Yong Kim and Björn Schouenborg
4. Mineralogical studies versus performance of the product -
Aggregates and natural stones
Björn Schouenborg and Maria Heloisa Barros
5. Dimension stone – Assessment of stone performance in use
Katarina Malaga and Paola Blasi
6. Environmental influences and reclamation of quarrying and
processing – Sustainable development
Ákos Török and Mika Räisänen
7. Waste and left-over materials from dimension stone and
aggregate quarries and recycling of construction materials
Mika Räisänen and William H. Langer

MINUTES OF IAEG COMMISSION C-10
Building Stones and Ornamental rocks, Nottingham, September 6, 2006.

1. Opening of the meeting

Prof. Asher Shadmon opened the meeting. The attendants, listed below, presented themselves.

Attendants:

Mika Räisänen (Finland)
Andrew McMillan (Scotland)
Silvina Andrea Marfil (Argentina)
Björn Schouenborg (Sweden)
Asok Török (Hungary)
Heloisa de Frasca (Brasil)
Won Young Kim (Korea)
Phil Paige-Green (S. Africa)
Asher Shadmon (Israel)
Tim Yates (England)
Urban Åkesson (Sweden)
Lars Persson (Sweden)
Ann Williams (New Zealand)
Tamer Topal (USA)

2 Workshop

The meeting was designed as a workshop with several presentations, covering a broad range. The following presentations were made.

MIKA RAISÄNEN

Re-use of Leftover stones from dimension stone quarries in southeastern Finland

ANDREW MCMILLAN

"Indigenous stone resources for Scotland's Built Heritage".

BJORN SCHOUENBORG

I-Stone: Re-engineering the European Natural Stone Industry

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3 Information about the IGC 2008

Lars Persson informed briefly about the 33rd International Geological Conference (IGC) in 2008, Oslo Norway. Progress of the organisation etc can be followed on the homepage of the Geological Survey of Norway, one of the organisers:

http://www.ngu.no/modules/module_109/publisher_view_product.asp?iEntityId=994

Björn Schouenborg and Mika Räisänen is organising a session about Construction materials (aggregates and natural stones) and have also e.g. engaged Sébastien Dupray (from IAEG C 17) for this work. The general programme for this session is shown in enclosure 1

4 Future of C 10

The meeting was finalised by a general discussion about the future organisation and aim of C 10 and it was allocated to Björn Schouenborg to take initiative in this respect together with Asher Shadmon

5 Closing of the meeting

Taking notes:

Björn Schouenborg