

**Aggregate Commission (C17) Report to the IAEG Council at the Meeting  
in Chengdu, CHINA, (September 2023)**

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## **General Information:**

The Commission was established in Vancouver, September 20, 1998. This organisation encompasses members in over 21 countries. All members are encouraged to share their knowledge and contribute to the aggregate industry. Commission on Aggregates (C17) and Environmental Aspects of Construction Materials (C27) were merged on September 2015.

Objectives of the Commission are:

1. To increase the co-operation with other scientific fields, and of its role within the Association.
2. To enhance the role of Engineering Geology and its applications within the aggregate and construction industries.
3. To provide a source of continuous and uniform information of aggregates and environmental issues.
4. To foster the sharing of knowledge on research results and methodologies.
5. To facilitate cross-institutional and cross-disciplinary networks among researchers and practitioners around the world.
6. To increase opportunities for collaborative research

In order to fulfil these objectives, we plan to undertake the following activities:

1. To increase the use of the commission's homepage, the website of the commission will be updated.
2. We will establish a group called "Aggregate Commission" in LinkedIn.
3. To provide information of aggregates in the IAEG Bulletin.
4. To collect, correlate and publish data on the performance of various rocks with respect to their properties and end-use applications.
5. To produce harmonised international guidelines for investigation of potential deposits.
6. To assist the European standardisation body (CEN) with supporting activities and information for further development and improvement of standards.
7. To create international co-operation and new international projects.
8. To enhance the role of engineering geological studies during reporting aggregates
9. To increase usability of aggregate and dimension stone quarry wastes
10. Contributing to digital transformation in aggregate mining
11. Greening the world aggregate industry such as a sustainable future, tackling biodiversity, air and water pollution, and climate change.
12. Emphasizing the importance of Engineering Geology researches and promoting using these studies in order to ensure responsible sourcing and responsible mining in the aggregate sector.
13. Increasing the role of Engineering Geology for Integrated Risk Management in Aggregate Mining

### **Earlier meetings and workshops:**

The Commission has had information meetings at all official IAEG meetings, i.e. in Kathmandu, Nepal, September 1999, at the 31<sup>st</sup> IGC meeting in Rio de Janeiro, Brazil, August 2000, at GeoEng2000 in Melbourne, Australia, November 2000, at Aggregate 2001 in Helsinki, Finland, August 2001, in Durban, South Africa, September 2002, in Istanbul, Turkey, September 2003, in Florence, Italy, August 2004, in Lyon, France, May 2005, in Nottingham, UK, September 2006, in Oslo, Norway, August 2008 and in Auckland, New Zealand, September 2010, in Brisbane, Australia, August 2012, in Beijing China, August 2013, in Torino, Italy 2014, in Cape Town, South Africa, August 2016, in Kathmandu, Nepal, November 2017, in San Francisco, United States, September 2018, in Athens (online meeting), Greece, October 2022, in Batalha, Portugal, June 2023.

### **Date and venue of last meeting:**

Last meeting was held on 20 June 2023 during The Seventh Edition of the Global Stone Congress in Batalha, Portugal.

### **Next meeting:**

The next meeting will take place in Chengdu, China, during IAEG XIV Congress 2023, 21-27 September 2023.

### **Recent Activities:**

- An essential task of the commission is to continuously establish new contacts in various countries, for example by sending information about aggregate occasions to potentially interested people. Currently, the Commission has contact persons from 21 countries.
- There is a good relationship between UEPG (European Aggregates Association)
- In almost all congresses, a technical visit (aggregate quarry visits) has been organized.
- A new collaboration project titled "Construction Raw Materials Demands (Aggregate/Crushstone) for Urban Transformation Under Earthquake Risk in Istanbul" is currently ongoing with the Istanbul Metropolitan Municipality.
- As the aggregate commission, we attended many meetings. Some of recent activities are.
  - The aggregate commission members attended commission and scientific meetings in IAEG Congress
  - 10th International Concrete Congress was held on, 02-04 May 2019 in Bursa, Turkey, Organized by Turkish Ready Mx Concrete Association.
  - Integrated Reporting and IFRS Statement 1, 10 September. 2021, Online Meeting, Organized by Good Governance Academy, Online Event.
  - ESG Inquisition Course, organized by Geological Society of South Africa, 10-11 August 2021, Online Event.

- 6th International Stone Congress was held on, 24-27 August 2021 in İzmir, Turkey, Organized by Chamber of Geology Engineers.
  - Workshop Mineral Standard Reporting & Competent Person in the Mining Industry, Organized by The European Federation of Geologists (EFG), Pan-European Reserves and Resources Reporting Committee (PERC), Italian National Council of Geologists (CNG) and AlpiConsult Stones, 24 June 2021, Online Event
  - Responsible Raw Materials 2021 Conferences: ESG Toolbox for Responsible Sourcing, 10-14 May 2021, Organized by Satarla, Online Event
  - Responsible Mining and Sourcing of Materials Online Course, 16-17 May 2021, Organized by Satarla
  - Integrated Risk Management in Mining Online Course, 3-4 June 2021, Organized by Satarla
  - 9th International Crushed Stone Symposium was organized by Chamber of Mining Engineers on 25 - 26 March 2021, in Belek, Antalya, Turkey.
  - The Seventh Edition of the Global Stone Congress was organized by ASSIMAGRA and University of EVORA in Batalha, Portugal, 18-23 June 2023.
- The Commission chairperson (Prof. Dr. Atiye Tugrul);
    - was assigned as representative of Turkey in CRIRSCO (Committee for Mineral Reserves International Reporting Standards) She is mainly working on reporting aggregates and dimension stone.
    - was elected as the Chairperson of Dimension Stone and Aggregates Working Group during the General Assembly meeting of CRIRSCO held in October 2022. She continues her activities with representatives from the member countries of CRIRSCO.
    - gave invited talk titled “Worldwide overview of Aggregates and Aggregate Mining in Megacities” included in the cycle of the Distinguished Lectures in Earth Sciences organized by in DISTAR, Federico II. Napoli University on October 22<sup>nd</sup> 2019.
    - gave lecture as “KeyNote Speaker” on “Reporting of Aggregates” during International conference on Geotechnical Challenges in Mining, Tunnelling and Underground structures (ICGTMU2021) held on 20,21 Dec'21 in ONLINE Mode at Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
    - gave many invited lectures on aggregates in Turkey.
    - attended the Seventh Edition of the Global Stone Congress in Batalha, Portugal, 18-23 June 2023, and visited two dimension stone quarries and production plants.
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### **Planned Activities**

- The next meeting will take place in Chengdu, China, during IAEG XIV Congress 2023, 21-27 September 2023.

- The “BETON 2023 Ready Mixed Concrete Fair and Congress” will be held on November 8-11, 2023, in Istanbul, Turkey. In this event, there will be an Aggregate Session, chaired by Commission's President.
- The Commission is planning an online aggregate meeting.
- AGUB (Turkish Association for Aggregate Producer's) is planning to Organize a Symposium and fair on Aggregates.
- The commission plans to organize an online aggregate symposium next year.
- Commission Activities will be generally focused on green deal, responsible sourcing and responsible mining that mainly related with engineering Geological studies. Related with these subjects, an International Project is planned.
- We are planning to improve our relations with UEPG Aggregates Europe.
- Efforts to update and improve the website are ongoing.

**Web site:**

The Commission has a web site: [www.iaeg.info](http://www.iaeg.info)

The website of the commission is open to service. The web site has following contents:

- Updated list of members of the Commission
- All reports to the IAEG from information meetings
- Latest news
- Information of international aggregate standards
- Aggregate glossary
- References related to aggregates
- Related aggregate links

Prof. Dr. Atiye Tuğrul, President  
Istanbul, 31.07.2023