

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH



th

# Global Stone

Congress 2025

Drama, Greece

**16-20**  
**June 2025**

[www.globalstone2025.com](http://www.globalstone2025.com)

Under the auspices:



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

**FINAL  
PROGRAM**

## TOPICS

WELCOME ADDRESS	3
THEMES	4
COMMITTEES	5
LOCATION	8
CONGRESS VENUE	9
KEYNOTE SPEAKERS	13
FINAL PROGRAM	18
GENERAL INFORMATION	34
ACKNOWLEDGEMENTS	38
COMPANY PROFILES	43



## WELCOME ADDRESS

Dear Colleagues,

We are pleased to welcome you to the **8th Global Stone Congress**, held in the historic city of Drama, Greece. This scientific congress brings together leading researchers, experts, and professionals from around the globe to discuss the latest advances in the study, application, and technology of stone in various fields, including geology, material science, circular economy, environmental and Social Governance, architecture, and geoconservation.

The congress serves as a platform for the presentation of cutting-edge research, innovative methodologies, and technological breakthroughs that are shaping the future of the stone industry. Topics of focus will range from advancing geological methods and material science to improve the identification, mapping, and technical evaluation of natural stone deposits, integrating smart technologies such as AI and digital modeling to modernize quarrying, recycling of stone by-products, addressing the growing importance of regulatory compliance, exploring the aesthetic, cultural, and structural roles of natural stone in contemporary and heritage architecture.

In addition to high-level presentations and technical sessions, the event provides an opportunity for collaboration and networking among academics, professionals, and industry leaders, fostering the exchange of knowledge and ideas that will drive progress in the global stone sector.

As we gather in Drama, a city renowned for its significance in the stone industry the last 70 years, we are reminded of the enduring relationship between scientific advancement, cultural heritage, and technological innovation. The 8th Global Stone Congress serves as a distinguished platform for the rigorous exchange of scientific knowledge, technological advancements, and sectoral insights—positioning itself to significantly shape the future direction of natural stone within both academic research and professional application across the marble industry and beyond.

Dr. Konstantinos N. Laskaridis

Geologist

Head of the Directorate of Mineral Resources and Mining – DOPME

Technical Manager of the LITHOS Laboratory

National Representative of EuroGeoSurveys



## THEMES

-  Research and characterization of natural rocks
-  Surface and underground mining
-  Processing and new products
-  Environmental and social governance (ESG)
-  Equipment, tools and consumables for mining and processing
-  Automation and digitalization in the Decorative Stone sector
-  Health and safety
-  Circular economy and sustainability
-  Standards, licensing and inspection
-  Natural decorative stones in architecture and the arts
-  Geoheritage and geoconservation
-  Economy and market



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## COMMITTEES

### Organising Committee

#### Representatives of the Organizing Committee in Greece

**Dionyssios Gkoutis**

HSGME – Hellenic Survey of Geology and Mineral Exploration

**Konstantinos Laskaridis**

HSGME – Hellenic Survey of Geology and Mineral Exploration

**George Lianos**

S.E.M.M.Th. – Greek Marble Association of Macedonia – Thrace

### Scientific Committee

**Álvarez Areces Enrique**

Instituto Geológico y Minero de España  
CN-IGME, CSIC

**Amaral Pedro M.**

Portugal | Instituto Superior Técnico

**Becerra Javier Eduardo Becerra**

Colombia | Universidad de San Tomás

**Buyuksagis Sedat**

Türkiye | Afyonkarahisar

**Careddu Nicola**

Italy | Università di Cagliari

**Carvalho Cristina**

Portugal | Laboratório Nacional de Energia e Geologia

**Carvalho Jorge**

Portugal | Laboratório Nacional de Energia e Geologia

**Castro Nuria**

Brazil | Institution – Centre for Mineral Technology  
Ministry of Science, Technology and Innovation  
(CETEM/MCTI)

**Cetean Valentina**

Romenia | Romenia Geological Survey

**Costa Antônio Gilberto**

Brazil | Universidade Federal de Minas Gerais

**Dino Giovanna**

Italy | Politecnico di Torino

**Dionísio Amélia**

Portugal | Instituto Superior Técnico

**Fernandez Javier**

Spain | Centro Tecnológico del Marmol

**Frasca Maria Heloísa Barros de Oliveira**

Brazil | MHB Geological Services

**García del Cura Maria Angeles**

Spain | Univ Alicante

**Gisbert Josep**

Spain | Univ Zaragoza

**Gkamaletsos Platon**

Greece | TUC

**Heldal Tom**

Norway | Geological Survey of Norway

**Iza Edgar Romeo Herrera de Figueiredo**

Brazil | Geological Survey of Brazil

**Kalaitzidis Stavros**

Greece | University of Patras



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## COMMITTEES

### Scientific Committee

**Kapageridis Ioannis**

Greece | UoWM

**Kaur Gurmeet**

India | Panjab University, Chandigarh

**Laskaridis Kostas**

Greece | HSGME Greece

**Leinonen Seppo**

Finland | Geological Survey of Finland

**Lisci Carla**

Portugal | Universidade de Évora

**Lopes Luís**

Portugal | Universidade de Évora

**Marini Paola**

Italy | Politécnico de Torino

**Marone Paolo**

Italy |

**Martins Ruben**

Portugal | Universidade de Évora

**Mavrogonatos G. Konstantinos**

Italy | University of Pisa

**Melfos Vasilios**

Greece | A.U.TH.

**Menegaki Maria**

Greece | Natl Tech Univ Athens

**Mirão José**

Portugal | Universidade de Évora

**Molina António**

Spain | CTMarmol

**Pires Vera**

Portugal | Universidade de Évora

**Schouenborg Björn**

Sweden | RISE Research Institutes of Sweden

**Silva António**

Portugal | Centro Tecnológico da Cerâmica e do Vidro

**Silveira Leonardo Luiz Lyrío da**

Brazil | Centre for Mineral Technology  
CETEM MCTI

**Simão Joaquim**

Portugal | NOVA School of Science and Technology

**Sitzia Fábio**

Portugal | Universidade de Évora

**Sousa Luís**

Portugal | Universidade de Trás-os-Montes e Alto Douro

**Sousa Antonio Augusto Pereira de**

Brazil | Universidade Estadual da Paraíba

**Török Ákos**

Hungary | Budapest University of Technology and Economics

**Triantafyllidis Stavros**

Greece | NTUA

**Trucco Lia**

Argentina | Mining Secretary's Office of Córdoba – Argentina

**Tugrul Atiye**

Turkey | İstanbul Üniversitesi-Cerrahpaşa

**Vasilatos Charalampos**

Greece | UoA

**Xiroudakis George**

Greece | TUC

**MARBLE MADE FOR**

*Eternity*



height  
18m

max depth  
250m

17

18



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMTH

[www.globalstone2025.com](http://www.globalstone2025.com)

## LOCATION

### DRAMA

Built at the foot of the imposing Falakro Mt, in a verdant area with abundant water sources, Drama is beautiful and hospitable, featuring picturesque neighbourhoods, spacious squares, green areas and well preserved neoclassical mansions.



Saint Varvara Lake



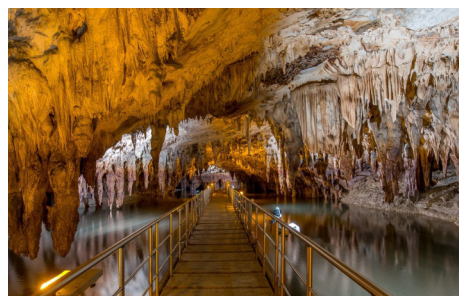
Kerkini Lake



Pavlidis Estate



Wine Art Estate



Aggitis Cave



Alistratis Cave



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## CONGRESS VENUE

### KOUROS HOTEL

As the largest conference hotel in Drama, Kouros Hotel offers capacity for up to 800 delegates across three elegantly designed meeting rooms equipped with modern audiovisual technology. Ideal for international events, the hotel accommodates a variety of gatherings including.

Attendees can enjoy stylish spaces complemented by exceptional catering options from the executive chef, including coffee breaks, light lunches, and full meals. The experienced hotel team ensures a seamless event experience, supporting every aspect from planning to execution.





Marble Experts  
since 1877

# D dionyssomarble

## **Dionyssos Marble** **Ultimate luxury, unparalleled aesthetics**

Bearing a legacy since 1877, our quarry in Dionyssos provides the world-renowned Dionyssos Marble which stands out as a top quality choice in the interior design industry. Its white hue, its purity, clarity and translucency place it high on the list of preferences for architects and decorators alike. This natural material can be used without limitations for both interior and exterior applications, offering an exceptionally refined and timeless result in every setting. Add value and a sense of luxury to your space with Dionyssos marble.

**NORDIA**



**NORDIA MARBLE**

**D dionyssomarble**



Marble Experts  
since 1877



**NORDIA MARBLE**

**A journey  
from the raw geometry of the quarry  
to the refined lines of design**

NORDIA MARBLE extracts, processes, and delivers premium marble, granites, and natural stones from its own quarries and facilities in Athens and Drama. With five quarries, two state-of-the-art processing plants, and a 14.000m<sup>2</sup> warehouse brimming with exquisite materials from Greece and beyond, we bring the world of marble to the world of design.

**NORDIA**



**NORDIA MARBLE**

**D**ionyssomarble



Marble Experts  
since 1877



**NORDIA MARBLE**

### **From the heart of our quarries to the soul of your project**

At NORDIA MARBLE, every masterpiece begins at the source - our own quarries, where famous white marble is born. As your trusted partner for large-scale architectural projects and custom applications, we offer a curated selection from Greece and around the world - shaped by expertise, tailored to your vision.

**NORDIA**



**NORDIA MARBLE**





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia

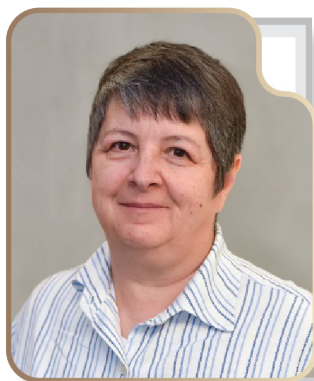


Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## KEYNOTE SPEAKERS



### Paola Blasi

“

The role of stone consultant in supporting a sustainable architecture: from quarry evaluation and stone characterization to processing, installation, and maintenance.

”

Paola Blasi is a chartered geologist with 30+ years' experience in the use and selection of natural stone in architecture. She works in Arup, London – as architectural stone consultant in many national and international projects.

She has previously spent many years in Carrara, Italy – the international marble hub. She has extensively travelled, visiting stone quarries and factories.

She has assisted and given lectures to architects and designers on the use and characteristics of stone in many parts of the world, thanks to her solid background and extensive professional network.

Paola is the Chair of CEN (European Committee for Standardization) TC 246 Natural Stone since 2009 and an expert in other international committees. She is particularly interested in the sustainable use of stone.





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## KEYNOTES SPEAKERS



### Ioannis Chatzipanagis

“

Management studies of the Hellenic Survey of Geology & Mineral Exploration (H.S.G.M.E.) in the main areas of ornamental stones, in Northern Greece.

”

Research Employee at **IGME** (Institute of Geology and Mineral Exploration) (1986-2019) and **HSGME** (Hellenic Survey of Geology and Mineral Exploration) (2019-2025)

From 1986 to 1998, conducted research on manganese supergene ore deposits in Drama County, and investigated **P.B.G.** mineralization and precious metals in the Palaea Kavala area, and studied industrial minerals including kaolin, pegmatites, graphite, kyanite, and white carbonatic rocks in Eastern Macedonia.

From 1998 to the present, specialized in ornamental stones in Central Macedonia and Eastern Macedonia-Thrace.

From 2010 to the present, performed field inspections and risk assessments for natural disasters of geological origin (excluding earthquakes) in Thessaly, Macedonia, and Thrace.

Active member of the Quarry Area Designation Committees in Central Macedonia and Eastern Macedonia-Thrace.



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## KEYNOTE SPEAKERS



### Ioannis Kapageridis

“

Smart quarries: AI and machine learning transforming marble exploration, extraction, and processing.

”

Dr. Ioannis Kapageridis is an Associate Professor of Mining Informatics, Head of the Department of Mineral Resources Engineering of the University of Western Macedonia, and Director of the Laboratory of Mining Informatics and Machine Learning Applications. He is a mining engineer with over 20 years of experience in mine planning, geostatistics and AI applications in mining. His PhD and postdoctoral research work focused on the application of artificial neural networks to grade estimation from exploration data. He has trained dozens of geologists and mining engineers from various mining companies in Europe, Africa, and Asia, in geostatistics and mine planning. He has conducted various resource/reserves estimation and mine planning studies for mining companies, as an independent consultant for Maptek, TetraTech, Golder Associates, Royal Haskoning, and Waste et Water. In the last ten years, Dr. Kapageridis has been actively involved in resources estimation and reporting, and quarry design for marble companies in Greece.

He currently teaches Applied Geostatistics, Mine Planning, and AI Applications in Mineral Resources Engineering and supervises three PhD projects. Dr. Kapageridis is a Chartered Engineer (CEng – Engineering Council, UK), Chartered Scientist (CSci – Science Council, UK), a member of the Institute of Materials, Minerals and Mining (MIMMM), and Qualified for Minerals Reporting (QMR – IOM3).





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## KEYNOTES SPEAKERS



### Costandis Kizis

“

Earth, memory, myth; stone in contemporary architecture.

”

Costandis Kizis studied at NTUA (Diploma in Architectural Engineering), Columbia University (MSc Advanced Architectural Design) and the Architectural Association (PhD). He has taught architecture at universities in the UK and has been an Associate Professor at NTUA's School of Architecture since 2021. He has been working professionally since 2006 at Kizis Office, which he has been running with his father for the last few years. He has received several awards.

As an equal member of a team in international, European and Greek architectural competitions. He is a member of the board of the Hellenic Institute of Architecture.



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## KEYNOTE SPEAKERS



### Maria Menegaki

“

Can marble exploitation be both a backbone to local prosperity and an environmental pioneer? The answer is definitely yes.

”

Dr. Maria Menegaki is a Professor at the School of Mining & Metallurgical Engineering of the NTUA. She graduated from the School of Mining & Metallurgical Engineering and she obtained her PhD in the field of Surface Mining. Her research interests include surface mining planning and design, mining economics, environmental impacts of mining and rehabilitation prospects. She teaches a number of undergraduate and postgraduate courses. She has participated in more than 35 research programs and has published over 65 papers.





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMMTH

[www.globalstone2025.com](http://www.globalstone2025.com)

## FINAL PROGRAM

### MONDAY 16<sup>th</sup> JUNE 2025

**15:00 -** Registration  
**17:00**

---

**17:00 -** Opening Session - Greetings/Talks  
**19:00**

---

**19:00 -** Cocktail Reception  
**21:00** *Foyer of the Congress Hall*





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## TUESDAY 17<sup>th</sup> JUNE 2025

08:30 - Registration  
09:00

09:00 - **SESSION A1. NATURAL STONE EXPLORATION AND CHARACTERISATION**  
10:45

Chair: B.E. Schouenborg, K. Laskaridis

09:00 - **Keynote Speech**  
09:30

The role of stone consultant in supporting a sustainable architecture: from quarry evaluation and stone characterization to processing, installation and maintenance

Paola Blasi

KN1

09:30 - Geological factors influencing the deterioration processes of the  
09:45 limestones used in the Suleymaniye mosque (Istanbul, NW Türkiye)

24 S. Akgündüz, A. Tuğrul, M. O. Şahin, B. T. Edi

09:45 - Weathering susceptibility of limestone building stones: analysis of case  
10:00 studies

51 R. Bellopede, C. M. D. Oliveira, O. Baietto, P. Marini

10:00 - Performance of carbonated sludge-based composites (marble and  
10:15 limestone): uniaxial compressive and flexural strength under central  
loading after freeze-thaw cycles and thermal shock

59 P. Afonso, L. Lopes, P. Faria, P. Mourão, V. Pires

10:15 - Assessing the mineralogical and geochemical characteristics of a natural  
10:30 stone from Kefalonia island, Western Greece

65 M. Anastasatou, M. Stamatakis, C. Mavrogonatos

10:30 - **Coffee break**  
11:15



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

11:15 -  
12:45

## SESSION A2. NATURAL STONE EXPLORATION AND CHARACTERISATION

**Chair: G. Xiroudakis, L. Lopes**

11:15 -  
11:30

Effects of surface hardness on abrasion resistance and surface roughness of some igneous stones subjected to foot traffic

**S. Buyuksagis, A. Cakir**

6

11:30 -  
11:45

Investigation of freezing – thawing effect on the compressive strength of Greek marbles

**K. Laskaridis, A. Arapakou, M. Patronis**

11

11:45 -  
12:00

Examining uniaxial compression strength for Greek marbles

**G. Xiroudakis, P. Gamaletsos, G. Triantafyllou, S. Mavrigiannakis, P. Liolios, E. Petrakis**

18

12:00 -  
12:15

Stress-strain analysis of a marble quarry in the extraction district of the Apuan Alps (Italy)

**M. Berlinghieri**

30

12:15 -  
12:30

Regional nature of soapstone in eastern Finland

**S. Leinonen**

33

12:30 -  
12:45

Natural stones from EU - denomination criteria standard - a review

**R. Alves, C. Carvalho, J. Carvalho, A. Silva, A. Magalhães, P. Rebola, G. Matias, A. Vinagrete, L. Lopes**

57

12:45 -  
14:30

## Lunch break

14:30

## Visit to marble processing plant

*(Departure from Kouros Hotel)*

The factory of F.H.L. I.KIRIAKIDIS MARBLES AND GRANITES S.A., INDUSTRIAL PARK OF PROSOTSANI, AMA GREECE

For more information about the company, please visit: [www.fhl.gr](http://www.fhl.gr)

20:00

## Archaeological Museum of Drama

A cultural evening at the Archaeological Museum of Drama, held in collaboration with the Ephorate of Antiquities, will explore the historical, symbolic, and aesthetic dimensions of marble.

TUESDAY 17<sup>th</sup> JUNE 2025





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## WEDNESDAY 18<sup>th</sup> JUNE 2025

09:00 -  
11:00

### SESSION B. AUTOMATION AND DIGITALISATION IN THE STONE INDUSTRY

Chair: **F. Pavloudakis, N. Careddu**

09:00 -  
09:30

#### Keynote Speech

**Smart quarries: AI and machine learning transforming marble exploration, extraction, and processing**

**Ioannis Kapageridis**

KN2

09:30 -  
09:45

Digitization of quarrying process and environmental parameters

**A. Dessena, N. Careddu, O. Pandolfi, L. Pia, F. Sitzia**

21

09:45 -  
10:00

Natural stone image classification using online databases and convolutional neural networks

**J. Brito, D. Morim, C. Carvalho, R. Alves**

60

10:00 -  
10:15

Design of rockfall barriers to mitigate rockfall risk in a marble quarry of the Apuan Alps extraction district (Italy)

**M. Berlinghieri**

31

10:15 -  
10:30

Occupational health and safety simulation for natural stone quarries using virtual reality

**M. Gursoy, S. I. Buyuksagis, M. S. Kizil**

16

10:30 -  
10:45

Stone chainsaw cutting technologies and parameters - review

**J. Frazao, I. Frazao**

62

10:45 -  
11:00

Development and implementation of the Angeles system: enhancing workplace safety through IoT and UWB technology

**Fernández Cortés, F.J, Hita López, F, Lozano del Amor, P, López Martínez. E, Arques Lara, P, Bravo Lozano, F**

67

11:00 -  
11:30

#### Coffee break



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMMTH

[www.globalstone2025.com](http://www.globalstone2025.com)

## SESSION C. CIRCULAR ECONOMY AND SUSTAINABILITY

**Chair: A. Tuğrul, L. Martins**

11:30 -  
13:15

11:30 -  
11:45

23

From cradle to gate: sustainability of Sardinian granite  
**N. Careddu, C. Chiappino, M. Columbano, J. Trabucco**

11:45 -  
12:00

48

From wastes to resources: the processing of extractive waste from siliceous stones for critical raw materials and by-products exploitation  
**G.A. Dino, E. Valle, F. Raspa, E. Padoan, C. Bordin, M. Favaro, F. Gambino, Z. Wang, M. Casale, A. Boarino, G. Cerrato, A. Giornana, M. Tagliaferri, E. Anchisi**

12:00 -  
12:15

47

Managing marble quarry waste: opportunities and challenges for circular economy implementation  
**G.A. Dino, F. Gambino, A. Tazzini, M. Casale, S. Mancini**

12:15 -  
12:30

58

Ecogeodidactic resource - a circular path for natural stone wastes didactic interest, economic potential and safety assessment proposal  
**M. Torres, R. Alves, C. Carvalho, B. Figueiredo, T. Vilaça**

12:30 -  
12:45

38

Recycling granite factory wastes - Research on how to recycle side blocks in granite factories to beautiful designs and useful products  
**F. Aljedi**

12:45 -  
13:00

63

Stone composites made with waste from the carbonate ornamental stone extraction and processing industry  
**R.V. Martins, A. Azzalini, J. Velez, L. Lopes, P. Afonso, P. Faria, P. Mourão, V. Pires**

13:00 -  
13:15

69

Valorisation of aggregate-washing arids and stone sludges in innovative applications in construction  
**E.L. Martínez, F.J.F. Cortés**

13:30 -  
15:00

**Lunch break**

WEDNESDAY 18<sup>th</sup> JUNE 2025



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

15:00 -  
17:00

## SESSION D. ENVIRONMENTAL AND SOCIAL GOVERNANCE (ESG) - EDUCATION

Chair: I. Kapageridis, V. Cetean

15:00 -  
15:30

### Keynote Speech

Can marble exploitation be both a backbone to local prosperity and an environmental pioneer? The answer is definitely yes

KN3

Maria Menegaki

15:30 -  
15:45

Sustainable management of environmental and social impacts in marble quarrying: insights from the new GRI mining sector standards

41

F. Pavloudakis, I. Kapageridis, S. Kirtikidis

15:45 -  
16:00

Ecological education and for environmental protection. Case study

7

D. Ciolea

16:00 -  
16:15

The importance of education in georesource management for a more sustainable mining: the GEODES Erasmus project

46

G.A. Dino, S. Mancini, F. Gambino, D. Pereira, M. Lasagna, G. Prego, D. Gonçalves, A. Jacinto, D. Jamal, J. Loite, H. Nganhane, N. Rodrigues, P. Dinis

16:15 -  
16:30

Sustainability and modernisation in the western Balkans' natural stone industry: a focus on education

26

M. Menegaki, A. Mavrikos, P. Nomikos

16:30 -  
16:45

The potential impact of the EU's new emission trading system on the profitability of marble quarries

22

D. Damigos, M. Menegaki, S. Mirasgedis, C. Tourkolias

16:45 -  
17:00

Green technology - The path for decarbonization of the stone sector

64

J. Frazao, I. Frazao

20:00

### Gala Dinner

[Chrysanthio Coffee bar bistro, Petrousa Drama](#)

WEDNESDAY 18<sup>th</sup> JUNE 2025



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## THURSDAY 19<sup>th</sup> JUNE 2025

09:00 -  
10:45

### SESSION E. NATURAL STONES IN ARCHITECTURE AND ARTS

Chair: **M. Peres, S. Leinonen**

09:00 -  
09:30

#### Keynote Speech

**Earth, memory, myth; stone in contemporary architecture**

KN4

**Costandis Kizis**

09:30 -  
09:45

Use of sedimentary limestone for the construction of ancient structures and monuments in Sri Lanka

8

**U. Jayawardena**

09:45 -  
10:00

Stone architecture: unveiling the legacy of cultures and traditions

53

**G. Kaur**

10:00 -  
10:15

Natural stones in construction: global issues and practical strategies

43

**C. Lisci, F. Sitzia, J. Mirão**

10:15 -  
10:30

Exploring stone craft in contemporary interior design in Algeria : innovative applications and techniques

4

**H. Diab**

10:30 -  
10:45

Heritage stones of the Bologna region: geological insights and historical applications

27

**V. Cetean, D.C. Papp**

10:45 -  
11:15

#### Coffee break





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

11:15 -  
13:15

## SESSION F. GEOHERITAGE AND GEOCONSERVATION

Chair: T. Heldal, N. F. Castro

11:15 -  
11:30

### Keynote Speech

Management studies of the Hellenic Survey of Geology & Mineral Exploration (H.S.G.M.E.) in the main areas of ornamental stones, in Northern Greece

KN5

Ioannis Chatzipanagis

11:30 -  
11:45

Use of inorganic chemistry in the design of conservative and sustainable solutions in geoconservation projects where natural stone is used

19

D. Tessaro

11:45 -  
12:00

The geoheritage of basalts from the Javakheti volcanic highlands, South Georgia

55

T. Beredze, R.A. Duraiswami, K. Gabarashvili, M. Kavsadze, K. Lobzhanidze, G. Vashakidze

12:00 -  
12:15

The building stone collection of the BGR and the IUGS heritage stone collection in Berlin

34

A. Ehling

12:15 -  
12:30

Twin-heritage project. 3D scanning for a comprehensive evaluation in the basilica of Saint Nicholas

68

A. Espín, D.C. Pérez, R. Muntean, A. Gil, G. Frías, M. Reyes

12:30 -  
12:45

Stone in our built heritage from a Swedish perspective

66

B.E. Schouenborg

12:45 -  
13:00

Onyx from Ain Smara (north- eastern Algeria): a natural stone to be considered as a global heritage stone

25

H. Diab

13:00 -  
14:30

### Lunch break

THURSDAY 19<sup>th</sup> JUNE 2025



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

14:30 -  
16:00

## POSTER SESSION

Broot, an innovative project where Portuguese stone is the primary fertile material

**5 C. Claro, C. Marques, N. Cristo**

Limestone heritage and geosites of the Apuseni natural park (Romania).  
Developing geosite inventory and classification

**9 D.C. Papp, V. Cetean**

Laboratory testing properties of Samian limestone exploited in antiquity

**10 K. Laskaridis, A. Arapakou, M. Patronis, C. Papatrechas, I. Kouseris**

Microbial bioweathering of shale tailings: potential for agricultural  
fertilization and sustainability in the semi-arid

**12 A. Sousa, F. Araujo, E. Correa, R. Macedo, M.D. Refati,  
M.E. Cavalcante, C. Sousa, M. Silva, M. Sousa**

Effect of heat treatment on the release of K and P from shales of the  
Borborema pegmatitic province, Brazil

**13 A. Sousa, J. Santos, R. Macedo, E. Moreira, V. Silva, I. Sousa,  
J. Neto, M. Sousa**

Mineralogical and geochemical characterization of rocks of the  
Borborema pegmatitic province (Brazil) for agronomic purposes

**14 A. Sousa, R. Macedo, M. Sousa, J. Neto, M. Sousa, E. Cavalcante,  
F. Araujo, J. Santos, C. Sousa**

Investigation of different patterned varieties of Turkey's natural stone  
potential

**15 B.A.K. Özdoğan, B.G. Demir, A. Akbulut**

A biotechnological approach to cultural heritage conservation:  
investigation of consolidation of Kufeki limestone by microbial method

**28 Ö.B. Hanyali, A. Tuğrul, G. Altuğ**

THURSDAY 19<sup>th</sup> JUNE 2025



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

Ultrasound velocity measurements as an alternate way for estimating the physicommechanical properties of carbonate ornamental rocks

35

**K.M. Ziazopoulou**

Bridging the gap between engineering degrees and the natural stones industry: a new master's program in marble exploitation

40

**I. Kapageridis, A. Asvesta, F. Pavlidakis**

The physicommechanical properties of the structural stones of the Parthenon at the Acropolis of Athens and integrity control of the grouted restoration Joints by conducting ultrasonic analysis

42

**P. Kosmas, C. Loupasakis, V. Eleftheriou, R. Christodouloupoulou, A. Vrouva**

Investigation into saturation and ying times for natural stones' water absorption determination

44

**B. Piacesi, N. Castro, M.H. Frascá, R.C. Ribeiro**

Geological mapping of St Mary's church, Bergen, Norway: searching for a geological building stratigraphy

54

**T. Haldal, A. Granseth, Ø. Jansen**

Generation of public toys from HDPE and marble Bege Bahia waste for people with special needs

56

**M.G. Oliveira, R.C. Ribeiro**

Stone arts - theme and diversity

61

**R. Alves**

THURSDAY 19<sup>th</sup> JUNE 2025



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMMTH

[www.globalstone2025.com](http://www.globalstone2025.com)

16:00 -  
17:00

## SEMINAR RISE INTO THE FUTURE: EXPANDING REGIONAL COLLABORATION FOR A SUSTAINABLE AND INNOVATIVE STONE SECTOR

Chair: **L. Lopes, R. Martins**

16:00 -  
16:30

Welcome - RISE Project

16:30 -  
17:00

RISE into the future - brainstorming

17:00 -  
17:30

## Closing Session

20:00

## Drama Sculpture Park - Outdoor gathering

Unforgettable evening with live music and local wine tasting

[Drama Sculpture Park](#) 

THURSDAY 19<sup>th</sup> JUNE 2025





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## FRIDAY 20<sup>th</sup> JUNE 2025

**08:00**

### **Quarry Visits (Guided Visits)**

#### **1. NORDIA Volakas Quarry**

One of the key quarries producing premium white Volakas marble, the NORDIA VOLAKAS Quarry is renowned for its exceptional marble quality and modern extraction techniques.

#### **2. IKTINOS Volakas Quarry**

Operated by IKTINOS HELLAS, this quarry is well known for extracting and supplying marble of the highest standards. During the visit, participants will have the opportunity to observe the quarrying process up close and understand the meticulous care taken to ensure the superior quality of the marble blocks.

#### **3. PAVLIDIS Ariston Quarry**

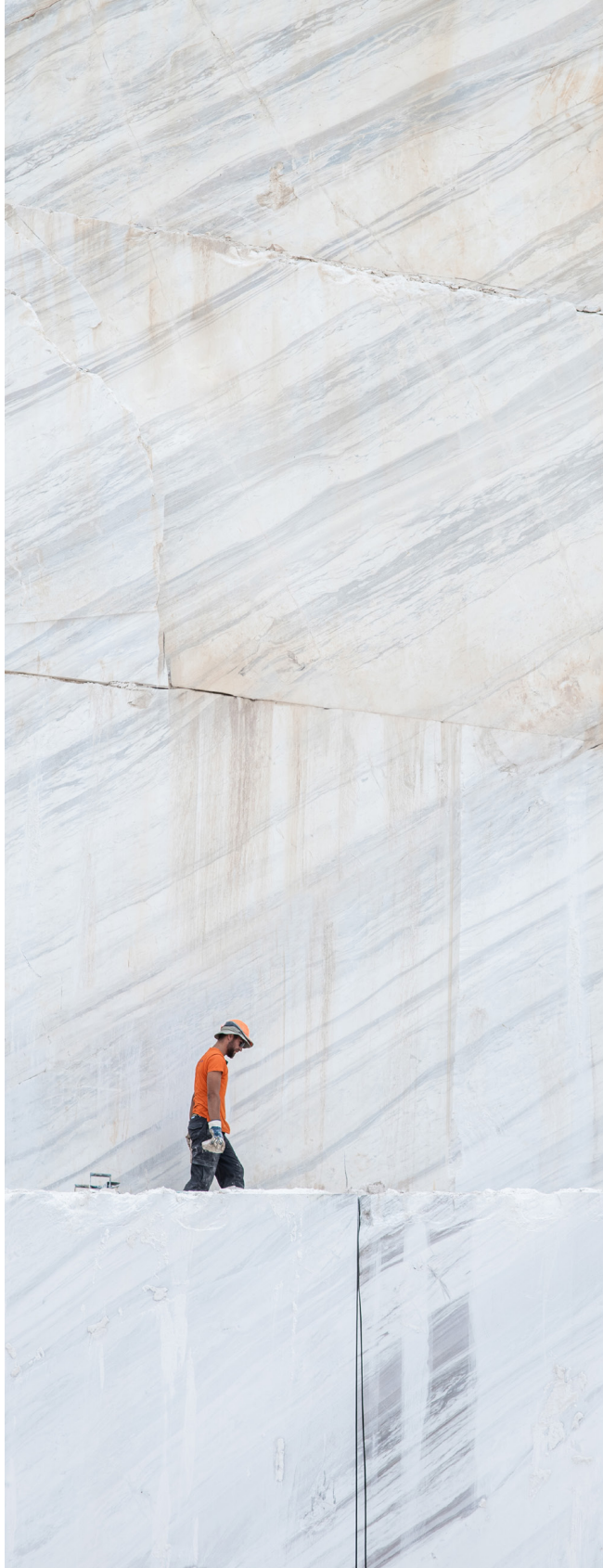
The Ariston Quarry, owned by PAVLIDIS MARBLES-GRANITES, is located in Granitis, Drama, and is one of the most renowned marble quarries in the area. It is distinguished for its production of premium-quality marble and its significant role in promoting Greek marble in international markets.

# Marble that Builds Legacies.

In projects where permanence matters,  
we stand at the origin, where marble is born,  
and give it shape to meet your vision.



[www.papagiannoulis.gr](http://www.papagiannoulis.gr)



# FRAVIZEL TECHNOLOGY

## THE FUTURE OF STONE

- INNOVATION
- DECARBONIZATION
- ADVANCED TECHNOLOGY
- CARBON NEUTRALITY
- ENERGY EFFICIENCY



**MORE INFORMATION**

### COSMOS' INSPIRED TECHNOLOGY

+351 243 40 92 20 | geral@fravizel.com  
www.fravizel.com



## About **BIRROS HMG**

BIRROS Hellenic Marble Group is a leading producer of premium natural marble, in Drama, Greece - a world-renowned marble region.

With a skilled workforce of 350+ professionals, we combine traditional craftsmanship with cutting-edge technology, ensuring precision and excellence at every stage.

Founded by Mr. Ioannis Birros, the visionary owner behind the Danae and Pirgon quarries, BIRROS operates a total of eight active quarries across Greece and Albania, supplying 15+ premium white and multicolored marble varieties known for exceptional quality, beauty, and durability.

Thanks to our impressive production capacity, we excel at meeting the demands of even the most large-scale and complex projects. This remarkable scale highlights our commitment to delivering reliable, high-quality solutions that can accommodate the diverse needs of clients, regardless of the project's size or complexity.



**BIRROS HQ, INDUSTRIAL AREA DRAMA, 66100, GR**

For business inquiries, or appointments,  
DM us at our official channels or via [info@birros-hmg.gr](mailto:info@birros-hmg.gr)

[www.birros-hmg.gr](http://www.birros-hmg.gr)

FIND US ONLINE





# A LEGACY OF STONE A VISION FOR THE FUTURE

**BIRROS**  
Hellenic Marble Group  
since 1960



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## GENERAL INFORMATION

### Date & Venue

**June 16<sup>th</sup>-20<sup>th</sup>, 2025**

**Kouros Hotel, Drama, Greece** (3km, Drama 661 00, Tel: +302521 057200)

Website: <https://hotelkourosdrama.gr/>

### Official language

English will be the official language of the congress.

### Congress badge

It is mandatory for the delegates to wear their congress badge in order to enter the congress hall.

### Certificate of attendance

The certificates will be send via email by the end of the meeting and as soon as the evaluation form will be submitted to the meeting secretariat.

### Registration fees

Registration Type	Before April 30th, 2025	After May 1st, 2025
Standard registration	350€	420€
Attendance (without paper)	420€	420€
Undergraduate students	100€	120€
Undergraduate students (daily pass)	70€	70€
Senior (>65 years)	100€	120€

### Website

[www.globalstone2025.com](http://www.globalstone2025.com)

### Exhibition

Within the Congress area there will be an exhibition of companies.



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## GENERAL INFORMATION

### Internet Access

A Wi-Fi network is available in the area for your convenience.

### Speakers' Presentation

A speaker presentation desk is available in the foyer of the Congress Hall.

Presentations-Technical support. Available visual equipment for all presentations will be through power point presentation. Presentations must be uploaded at the technical secretariat one hour prior to the presentation. The use of personal computers will not be feasible.

### Emergencies & Medical Assistance

In case of emergencies or if you require medical assistance, please contact the registration desk immediately for support.

### Climate

Drama enjoys a Mediterranean climate with mild, wet winters and hot, dry summers. During June, the city experiences peak summer conditions with abundant sunshine and low humidity. Average temperatures in summer are typically above 30°C (86°F), occasionally reaching 35°C (95°F). Evenings tend to be cooler due to the proximity of the mountains.

### Time Zone

Greece operates on Eastern European Time (EET), which is UTC+2 hours.

### Units of Measurement

Greece uses the metric system, including kilograms (kg), grams (g), liters (l), kilometers (km), and other standard units. Temperature is measured in Celsius (°C).

### Electricity/Power Supply

Greece primarily uses Type C and Type F electrical plugs. Type C plugs are the standard European two-round-pin plugs, while Type F plugs include grounding with two additional earth clips on the sides. Travelers may need adapters for non-European appliances.





# Global Stone

Congress 2025 Drama, Greece

Organizers:

[www.globalstone2025.com](http://www.globalstone2025.com)



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMPTH

## GENERAL INFORMATION

### Currency Exchange & ATMs

The official currency in Greece is the euro (EUR). Both cash and cards are widely accepted throughout the city. Currency exchange centers are available downtown for converting foreign currencies into euros. Additionally, ATMs are easily accessible for withdrawing cash in euros.

### Tipping

Tipping is appreciated in Greece but not obligatory. In restaurants, a tip of 5-10% of the bill is customary if you are satisfied with the service.

### Smoking

Smoking is strictly prohibited in indoor public spaces, including restaurants, bars, cafes, and other enclosed areas. Designated outdoor smoking areas may be available in some establishments.

### Organizers



**Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.**



**Greek Marble  
Association  
of Macedonia Thrace  
S.E.M.M.T.H.**

#### Athens:

1 Spirou Loui str. Olympic Village,  
13677 Acharnae  
**T.** +(30) 213 1337000  
**Fax.** +(30) 213 1337015  
**Email.** [dirgen@eagme.gr](mailto:dirgen@eagme.gr)  
[www.eagme.gr](http://www.eagme.gr)

#### Kavala:

Ydras 10 (2nd Floor), 65302, Kavala  
**T.** +30 2510 221051, +30 2510 221051  
**Email.** [info@semmth.gr](mailto:info@semmth.gr)  
[www.semmth.gr](http://www.semmth.gr)

### Congress Secretariat



*Global Events*  
...makes the difference!  
Conference & Event Management

[www.globalevents.gr](http://www.globalevents.gr)

#### Thessaloniki:

50A Stadiou, 55534 Pylaia,  
Thessaloniki  
**T.** +30 2310 247743,  
+30 2310 247734  
**Email.** [info@globalevents.gr](mailto:info@globalevents.gr)

#### Athens:

2 Valestra & 168 Str. Av. Syggrou,  
17671, Athens  
**T.** +30 210 3250260  
**Email.** [athens@globalevents.gr](mailto:athens@globalevents.gr)

# IK TI NOS

HELLAS S.A.

*Discover the natural beauty of Volakas  
Marble. Iktinos Hellas S.A. is a leading  
supplier of marble  
in all corners of the world.  
ITC Royal Hotel in Bengal Kolkata has  
been covered with Volakas Marble that  
provide genuine serenity.*



[www.iktinos.gr](http://www.iktinos.gr)





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMTH

[www.globalstone2025.com](http://www.globalstone2025.com)

## ACKNOWLEDGEMENTS

The Organizing Committee warmly thanks the following companies for their contribution to the organization of the conference.

### DIAMOND SPONSORS



NORDIA MARBLE

### PLATINUM SPONSORS



### GOLD SPONSORS





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## ACKNOWLEDGEMENTS

### SILVER SPONSORS



ARISTON MELATHRON  
COMMERCIAL & INDUSTRIAL MARBLE CO. S.A.



Marmyk  
Iliopoulos Est. 1979  
Greek  
Marble



PHILIPPIDES  
MARBLE OF THASSOS



Servers made in Silicon Valley  
AI and Enterprise Rack Scale  
Liquid Cooled Solutions

### SPONSORS



GREEK WHITE MARBLE  
DERMITZAKIS  
*the meaning of matter*



D.N. HARITOPOULOS S.A.  
thassos white marble



LIVING STONES  
Εξόρυξη, Επεξεργασία, Εξαγωγή Φυσικών Λίθων  
ΜΑΡΜΑΡΑ ΚΑΛΑΝΤΖΗ Α.Β.Ε.Ε.  
ΣΟΦΗΑ - 58200 ΕΛΕΥΣΙΑ - ΤΗΛ. 23810-22815  
[www.livingstones.gr](http://www.livingstones.gr)

## THE NATURAL STONE COMPANY



Pavlidis SA Marble Granite is a Global Leader in Marble and Granite Sector, shaping the industry through innovation, consistency, and architectural distinction.

Established in 1980, it has built a reputation for producing exceptional natural stones. Its two “Diamonds,” Ariston and Sivec, stand out for their top-quality characteristics, having earned the trust of the international market and being chosen for high value-added projects worldwide.

The group serves more than 40 countries, with 90% of its sales directed towards international markets, including Asia, Europe, the Arabian Gulf, and America. With a production capacity exceeding 300.000 tons of raw blocks and 600.000 m<sup>2</sup> of processed marble annually, it consistently invests in state-of-the-art equipment while simultaneously developing renewable energy projects with a total installed capacity of 100 MW, boosting its energy autonomy and operational efficiency.

Through strategic initiatives focusing on excellence, innovation, and sustainability, it fully integrates environmental responsibility principles into all its operations, affirming its position as a leader in the global natural stone market.

The company is dedicated to the responsible management of resources and reducing its environmental footprint, making a meaningful and lasting contribution to a more sustainable - balanced future for generations to come.





---

Our history spans nearly four decades. Since our foundation in 1981, we have made great strides, expanded internationally in 80 countries and became pioneers in the global marble and natural stone industry. Today, we are a vertically integrated company, with a fully developed organizational structure, employing a total of more than 550 employees. Our international operations are supported by 6 factories with cutting-edge mechanical equipment, as well as 8 privately owned quarries. At the same time, we enjoy exclusive distribution agreements with a great selection of quarries. Our products can be found in several executive construction projects in Dubai, USA, S. Korea, Monaco, Australia, Malaysia and many more countries around the globe.

---

+30 23940 20440 | [info@stonegroup.gr](mailto:info@stonegroup.gr) | [www.stonegroup.gr](http://www.stonegroup.gr)





MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## COMPANY PROFILES

### D dionyssomarble

Dionyssomarble Co. S.A. is Greece's most historic marble company, founded in 1949. It is the exclusive producer of the legendary **Pentelikon White Marble**, extracted from its privately owned quarry in Dionyssos, Attica. This marble, known for its pure white color and fine grain, has been used since antiquity in iconic structures such as the Parthenon and the Acropolis Museum.

The company specializes in **quarrying, processing, and exporting** high-quality marble products. Its offerings include **blocks, slabs, and cut-to-size tiles**, suitable for both interior and exterior applications. Dionyssomarble also provides **custom sculpting and CNC services**, enabling the creation of everything from decorative bowls to monumental sculptures. Their **water jet cutting** capabilities allow for intricate and creative designs tailored to architectural and artistic projects.

Dionyssomarble is deeply committed to **environmental responsibility**. The company implements sustainable quarrying practices that minimize landscape disruption and prioritize the rehabilitation of extraction sites. It invests in modern, energy-efficient machinery to reduce its carbon footprint and ensures responsible water usage and waste management throughout its production processes. By aligning its operations with international environmental standards, Dionyssomarble not only preserves the natural beauty of Greece's landscapes but also promotes a model of ethical and sustainable marble production.



# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMTH

[www.globalstone2025.com](http://www.globalstone2025.com)

## COMPANY PROFILES



### NORDIA MARBLE

Nordia Marble is a leading Greek company in the **natural stone and building materials** industry, with a legacy that spans over a century. Operating under the umbrella of the

**NORDIA Group**, the company manages five marble quarries, two marble processing factories, and one building materials plant, MARMOLINE. It is known for combining **traditional craftsmanship** with **state-of-the-art technology** to deliver premium marble products worldwide.

Nordia's product range includes **natural marble, engineered stone, and granites**, with popular varieties of marble blocks, slabs, and cut-to-size pieces, tailored to meet the demands of high-end architectural and design projects.

Beyond marble, Nordia is also active in the **building materials sector** through its brand **Marmoline**, offering products like adhesives, etics, mortars, and plasters.

Nordia Marble is strongly committed to **sustainable development and environmental stewardship**. The company adopts eco-conscious quarrying methods, prioritizing land restoration and biodiversity protection. Our Volakas Quarry is the first quarry in Greece to directly introduce solar panels and the second to obtain an ISO 14001 Environmental Certification. Furthermore, Nordia has led flood control and reforestation efforts, restoring 2.2 million m<sup>2</sup> in the wounded mountains of Varybobi and Penteli with tree planting, irrigation, and ongoing forest care.



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## COMPANY PROFILES



**BIRROS Hellenic Marble Group** is a leading producer of premium natural marble, headquartered in Drama, Greece—a world-renowned marble region.

Founded by Mr. Ioannis Birros, the visionary owner behind the Danae and Pirgon quarries, BIRROS operates a total of eight privately-owned quarries across Greece and Albania, supplying 15+ premium white and multicolored marble varieties known for exceptional quality, beauty, and durability.

With a skilled workforce of 350+ professionals, we combine traditional craftsmanship with cutting-edge technology, we ensure precision and excellence at every stage. Our advanced processing facilities guarantee consistent quality, offering blocks, slabs, and custom dimensions for demanding architectural and design projects.

Trusted worldwide, BIRROS' direct-from-the-source marble and impressive production capacity showcases on iconic projects like Marina Mall Abu Dhabi and Lamborghini Villas Dubai.

Our mission is to deliver high-quality marble solutions through extensive industry expertise and seamless global distribution.

Contact us today for expert marble solutions!





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## COMPANY PROFILES



**Fravizel**  
engineering

**Fravizel**, a company with 40 years' experience, develops, manufactures and services equipment and machinery in the stone, mining, forestry and industrial sectors. Present in more than 60 countries, we are continuously committed to innovation and excellence in the engineering and metalworking sector. We aim to take Portugal to the world with disruptive solutions and innovative technologies for the sectors.



**PAVLIDIS**  
THE NATURAL STONE COMPANY

**Pavlidis Marble Granite** is one of the leading Greek companies in the field of Marble and Granite extraction and processing, with a strong presence in the Global Market. Established in 1980, it has built a reputation for producing exceptional natural stones. Its two "Diamonds," Ariston and Sivec, stand out for their top-quality characteristics, having earned the trust of the international market and being chosen for high value-added projects worldwide.

The company serves more than 40 countries, with 90% of its sales directed towards international markets, including Asia, Europe, the Arabian Gulf, and America. With a production capacity exceeding 300.000 tons of raw blocks and 600.000 m<sup>2</sup> of processed marble annually, it consistently invests in modern equipment while simultaneously developing renewable energy projects with a total installed capacity of 100 MW, boosting its energy autonomy and operational efficiency.

Through strategic initiatives focusing on excellence, innovation, and sustainability, it fully integrates environmental responsibility principles into all its operations, affirming its position as a leader in the global natural stone market. The company is dedicated to the responsible management of resources and reducing its environmental footprint, making a decisive contribution to achieving a cleaner and more sustainable future for next generations.



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## COMPANY PROFILES



**F.H.L. I. KIRIAKIDIS Marbles - Granites SA** has been active since 1991 in quarrying, processing and trading marble and granites in all forms and shapes. The F.H.L. I. KIRIAKIDIS Group consolidated its leading positions on the global marble map through its dominance in the vertically integrated production and processing of white marble, which, together with our specialized workforce, design department, installation teams and state-of-the-art machinery, provide us with the ability to undertake private and public marble projects of all sizes and difficulties all over the world.

The Group's subsidiaries around the world include building materials, paint production and timber production factories, construction and transport companies and sales offices, complete perfectly the smooth completion of each project within the specified time frame with their range of products and flexible services. The continuous investments in the technological development of the group consolidate its presence, while laying the foundations for the future.





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## COMPANY PROFILES



**IKTINOS HELLAS S.A.** is one of Greece's leading marble companies, founded in 1974 by Architect Engineer Evangelos Chaidas and listed on the Athens Stock Exchange since 2000. The company specializes in the extraction, processing, and global distribution of premium

Greek marble, with a strong presence in architecture applications.

Operating 10 privately owned quarries, IKTINOS extracts world-renowned varieties such as Thassos White, Volakas, Nestos, Kalliston, and the distinctive Golden Spider. It runs advanced cutting and processing facilities in Athens and Drama, ensuring a vertically integrated production process.

With 95% of its output exported to over 90 countries, including China, USA, India, Mexico, the Gulf, Latin America, and Europe. IKTINOS holds a significant share in Greece's marble export market and has a robust global sales network supported by international trade fairs and local representatives.

Deeply committed to sustainability, the company pioneers underground mining, operates a 22 MW wind farm, and embraces circular economy practices such as marble reuse. Environmental protection and innovation remain central to its long-term strategy, solidifying IKTINOS's position as a global force in the marble industry.



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## COMPANY PROFILES



**JOHN  
PAPAGIANNOULIS  
BROS**  
EST. 1962

**John Papagiannoulis Bros S.A.** is a family-owned company with more than 60 years of continuous presence and leadership in the Greek marble sector. With long-established quarries in Thassos and Volakas—known for their consistency and high-grade production—and an integrated processing facility in Athens, the company offers end-to-end control over the extraction, refinement, and global exports of premium natural stone.

Built on generational expertise and a deep love and respect for the material, "J.PAPA" advocates for the enduring value of marble—not only as a design element, but as a sustainable, culturally rooted building material. The company invests in responsible quarrying, efficient production, and long-term partnerships that reflect its belief in natural stone as a future-facing choice in architecture and construction.

Bridging tradition with innovation, John Papagiannoulis Bros continues to contribute to the global conversation on stone—championing quality, ethics, and authenticity in every layer of its work.



**Omya** is a leading global producer of essential minerals and a global distributor of specialty materials. Founded in Switzerland in 1884, it is privately owned, employing 9,000 people in 160 factories in 50 countries. Omya provides value-added products and services from responsibly sourced materials to meet the needs of current and future generations. It has been operating in Greece since 2003 with a production unit in Sindos, Thessaloniki and under the name OMIA HELLAS

Customers rely on us for a comprehensive range of sustainable, high-quality products, backed by excellent customer service, regulatory advice and quality control.

Our focus on "Thinking for Tomorrow" leads to the development of innovative, reliable solutions that help customers solve their challenges.





# Global Stone

Congress 2025 Drama, Greece

Organizers:



Hellenic Survey  
of Geology and  
Mineral Exploration  
H.S.G.M.E.



Greek Marble  
Association  
of Macedonia Thrace  
SEMETH

[www.globalstone2025.com](http://www.globalstone2025.com)

## COMPANY PROFILES



Our history spans nearly four decades. Since our foundation in 1981, we have made great strides, expanded internationally in 80 countries and became pioneers in the global marble and natural stone industry.

Today, we are a vertically integrated company, with a fully developed organizational structure, employing a total of more than 550 employees.

Our international operations are supported by 6 factories located in Thessaloniki, Thassos island, Drama, Veria and Kavala with cutting-edge mechanical equipment, as well as 8 privately owned quarries (Thassos island, Drama, Veria, Kavala, Creta island). At the same time, we enjoy exclusive distribution agreements with a great selection of quarries.

Our products can be found in several executive construction projects in Dubai, USA, S. Korea, Monaco, Australia, Malaysia and many more countries around the globe.



ARISTON MELATHRON  
COMMERCIAL & INDUSTRIAL MARBLE CO. S.A.

**Ariston Melathron** stands at the pinnacle of the Greek marble industry, with over 20 years of expertise in quarrying and processing premium materials like **Volakas, Pighes, Nestos, and Vratsa**.

With quarries across Northern Greece and Bulgaria, we blend tradition with cutting-edge technology to deliver high-quality marble, tailored to each client's vision. Our commitment to **integrity, reliability, and craftsmanship** drives every stage—from quarry to export.

Backed by a skilled team and rigorous Factory Production Control, Ariston Melathron ensures excellence in every block.

"We don't just supply marble—we craft enduring partnerships, rooted in trust and uncompromising quality."



MINISTRY OF  
ENVIRONMENT  
& ENERGY



National Technical  
University of  
Athens



University of  
Western  
Macedonia



Greek  
Mining  
Enterprises  
Association



Regional  
Development Fund  
East Macedonia &  
Thrace

## COMPANY PROFILES



**Marmyk  
Iliopoulos**

**MARMYK Iliopoulos Marble:** history, timelessness, sustainability

With over 40 years of active presence, MARMYK Iliopoulos is one of the most successful companies in the Greek Marble industry in terms of longevity and resilience – driven by a vibrant entrepreneurial spirit, sustainable practices, and a highly automated and technologically advanced process.

Through 13 Marble Quarries – 24 types of Marble, offers a wide range of top-quality marble and the most advanced services, bringing brilliant ideas to life and achieving each customer's desired goal. This way, we ensure creative freedom, dynamic productivity, precise visual effects, exceptional quality, and multi-dimensional flexibility – a sustainable approach to contemporary architecture.



**PHILIPPIDES**  
MARBLE OF THASSOS

**Marble of Thassos Philippides S.A.** is a prominent Greek company in marble extraction and processing, based on Thassos Island. Since 1971, its quarry has been producing the renowned **Thassos Snow White Marble**, celebrated worldwide for its exceptional quality and unparalleled color purity.

The company combines tradition with innovative mining techniques, ensuring high-standard products that are exported globally.

With a commitment to reliability, expertise and excellence, it creates enduring value.

#Thassos Snow White Marble

#Thassos Snow White Marble Chips

#Thassos Snow White Pebbles



Servers made in Silicon Valley  
AI and Enterprise Rack Scale  
Liquid Cooled Solutions

Your reliable partner in Greece.



+30 697 720 8287

