

Sustainable Materials and Resources

January 28, 2011, Bucharest

This six hours workshop focused on understanding the availability, benefits, legislative requirements and specification considerations for using Sustainable Construction Materials in construction project. Important green design concepts such as "cradle to cradle" and embodied energy were presented. This course is a required course for those seeking the "Romania Green Building Professional" certification.

Location

RoGBC office, Str Ialomicioarei, no. 21, district 1, Bucharest

[Map is available here](#)

Agenda

9:00 am | Coffee and registration

9:30 am – 5:30 pm | Training *

* Lunch and Coffee Breaks will be provided.

The prices for attending this course

- RoGBC member | individual - 125 Euro
- Non-member | individual - 195 Euro

[For discounts and the course program please click here.](#)

[For registration to this course only, please click here.](#)

Trainers Profile

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Bogdan Draganescu

Ph.D., M&OE - founder & managing director of Smart & Pepper Consulting

Mr. Draganescu holds a PhD. in manufacturing and operations engineering from the University of Limerick/Ireland and a Bachelor with Honours in Industrial Engineering from the University Politehnica / Bucharest, Romania.

With more than 9 years of consultancy experience, Mr. Draganescu has been involved in a wide range of projects both in the industrial and commercial sector: as industrial engineer and project manager for Michelin, operations planning analyst at Philip Morris, project manager at Rominserv, project manager at Epstein Architecture and Engineering and as operations director at WSP Romania.

Mr. Draganescu is the founder and Managing Director of Smart & Pepper Consulting, a green building and sustainable energy consultancy company committed to promote sustainability in buildings, energy and lifestyle. His most recent activities included: ambassador for Holcim Romania for the Holcim Foundation Awards 2010 – 2012, national expert for United Nations Development Program 'Improving Energy Efficiency in Low-Income Households and Regions of Romania', project management of turn-key projects for sustainable residence development in Bucharest, research and development of sustainable alternative energy sources and the implementation and training for ISO 9001 and 14001 quality systems in cooperation with Det Norske Veritas Norway.

Mr. Draganescu has been actively involved as vice-president and founding member of the Romanian Green Building Council and continues to promote the development of the Council. He has also an active role in promoting the green building culture in Romania: as project manager of Exemplary Green Building Project, his involvement in the legal outreach for law projects concerning incentives for energy efficient housing and he is part of the 'European Project for Green Buildings Best Practices Database'

Agenda

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9:15 am - 9:30 am | Registration & Welcoming Coffee

9:30 am - 11:00 am | Training

Introducing the trainer, the participants, and the objectives of this training

Part 1 | Introduction to Sustainable Materials

This section is an introduction to sustainable building materials, comprising generally accepted definitions of sustainable materials, advantages and disadvantages of using sustainable materials as well as various criteria of assessing the sustainability of the building material.

- What are sustainable materials?
- Why use sustainable materials?
- Embodied energy and life cycle assessment (ISO 14001:2006)

11:00 am - 11:20 am | Coffee Break

11:20 am - 1:30 pm – Training

Part 2 | Use of sustainable materials for building structure and building envelope - walls;

This section presents common and novel materials used for building structures and building envelope (walls), and provides a general analysis in terms of sustainability as well as other relevant data.

- Materials used for Building structures
- Materials used for building envelope – walls

1:30 pm – 2:30 pm | Lunch

2:30 pm - 4:00 pm | Training

Part 3 | Use of sustainable materials for building envelope - windows, doors, roof;

This section presents common and novel materials used for building envelope, and provides a general analysis in terms of sustainability as well as other relevant data.

- Materials for building envelope – windows and doors
- Materials for building envelope – roofs

4:00 pm - 4:20 pm | Coffee Break

4:20 pm - 5:00 pm | Training

Part 4 | Novel sustainable building materials

This section presents some of the most recent advances in building materials, with a general view regarding their sustainability.

5:00 pm – 5:10 pm – Closing Words by the RoGBC