



HRVATSKI  
SAVJET ZA  
ZELENU  
GRADNJU

CROATIA GREEN BUILDING COUNCIL

## Module 1.

# The Definition of Green Buildings and Green Principles; Green Building Envelope

December 10, 2015 | Zagreb | Croatia

Lecturers: Dr. Aurore Julien, XRG, Freelance Consultant  
Language: English  
Site: VMD promet, Strojarska 22  
Duration: 9:00 - 16:00

## Agenda

- 09.00 – 09.30** | **Green Breakfast**
- 09:30 – 10:30** | **1. Background and main principles**
- 1.1. Envelopes and green buildings
  - 1.2. Introduction to passive, bioclimatic and low energy building design
  - 1.3. Site and climate
  - 1.4. Workshop
- 10.30 – 10.45** | **Coffee break**
- 10.45 – 12.15** | **2. Sunlight and daylight**
- 2.1. The principles of light
  - 2.2. Daylight
  - 2.3. Sunlight and passive
  - 2.4. Workshop
- 12.15 – 12.30** | **Coffee break**
- 12.30 – 13:40** | **3. Wind and ventilation**
- 3.1. Principles of natural ventilation
  - 3.2. Natural ventilation systems and design
  - 3.3. Workshop

HRVATSKI SAVJET ZA ZELENU GRADNJU / CROATIA GREEN BUILDING COUNCIL

Ulica grada Vukovara 274/1, 10000 Zagreb, Hrvatska T: +385 1 4886 296 F: +385 1 4886 297 E: info@gbccroatia.org  
OIB: 99702507717 MB: 2537907 IBAN: Zagrebačka banka: HR2923600001102306878

[www.gbccroatia.org](http://www.gbccroatia.org)



HRVATSKI  
SAVJET ZA  
ZELENU  
GRADNJU

CROATIA GREEN BUILDING COUNCIL

13:45 – 14:45

Green Lunch

14:45 – 16:00

**4. Dynamic and multipurpose envelopes**

- 4.1. Double skin facades
- 4.2. Green roofs and walls
- 4.3. Integrated renewable energy

**5. Green refurbishment of envelopes**

- 5.1. Introduction
- 5.2. Some technical solutions
- 5.3. Examples

**6. Environmental impacts of materials and envelope design**

- 6.1. Environmental impacts of materials
- 6.2. Some „green“ and alternative materials

**7. Final workshop**



**Dr. Aurore Julien** is a sustainability expert in green and energy efficient building design. She has worked on a wide variety of projects, ranging from schools, hospitals, offices, residential developments and urban masterplans in the UK and internationally. She now teaches Environmental Masterplanning and Low Carbon Energy Systems at the University College of London and is a freelance consultant and speaker under the company name XRG Ltd.

Prior to her current activities, Aurore worked as an environmental designer in BDSP, an innovative and green-minded building services consultancy. She then went to head up sustainability in the engineering consultancy Whitbybird (now Ramboll). During her time there, she was awarded Sustainability Designer of the Year Awards two years consecutively (BM, 2006, and BSJ, 2007). She then worked with the renowned architect Ken

Yeang in his London architectural practice LDY until early 2011. Finally, Aurore has completed a PhD in relation to energy saving behaviours and energy security in 2014.

Qualifications: PhD, Energy and the Environment, UCL, UK; MSc (Dist), Environmental Design and Engineering, UCL, UK; Engineering Diploma from the Grande Ecole INSA, France; Chartered Engineer from CIBSE (CIBSE Member); BREAM AP; LEED AP NC.

HRVATSKI SAVJET ZA ZELENU GRADNJU / CROATIA GREEN BUILDING COUNCIL

Ulica grada Vukovara 274/1, 10000 Zagreb, Hrvatska T: +385 1 4886 296 F: +385 1 4886 297 E: info@gbccroatia.org  
OIB: 99702507717 MB: 2537907 IBAN: Zagrebačka banka: HR2923600001102306878

[www.gbccroatia.org](http://www.gbccroatia.org)