



Doctoral Seminars on Sustainability Research in the Built Environment
24th & 25th May 2022, Ghent

CALL FOR PAPERS

The DS²BE is a joint initiative of research groups working on sustainability issues at 8 Belgian universities: ULBruxelles, VUBrussel, KULeuven, UCLouvain, ULg, UHasselt, UAntwerpen and UGent.

Conceived as a platform for PhD researchers whose work engages the built environment at different scales in the framework of sustainability, these seminars provide an excellent opportunity for the doctoral students of the partner institutions to present their ongoing research. They will get feedback from a broad panel of sustainability experts, including invited specialists and peers, for furthering their research.

During the course of the next DS²BE 2022, which will be a two-day event on 24-25 May 2022 in Ghent, we invite two types of presentations differentiated along the stage of the PhD research:

Short Presentation / Poster session: PhD researchers at the beginning of their research (1st -2nd year of PhD) are invited to make a presentation and exhibition of their work in the form of a poster (A0 size), accompanied with a concise oral presentation. Candidates for this session are required to submit a draft poster before the submission deadline.

Long Presentation / Paper Session: PhD researchers at an advanced stage (3rd – 4th year of PhD) are invited to present a substantial part (case study, draft article or thesis chapter) of their research in the form of a full paper. Candidates for this session must submit an abstract of 300 words in English. Upon acceptance, they will be required to submit a full paper of 4000 words. The paper will be reviewed while providing written feedback to the PhD researcher via email. The paper will not be published to keep the paper confidential. This allows further development of the manuscript by the author after the seminar in order to be submitted as a journal paper, thesis chapter or international conference paper. The added value of submitting a full paper is mainly related to the constructive feedback provided in a written format and the interactive feedback after presentation.

All draft posters and abstracts for paper / full presentation will be reviewed by the scientific committee, consisting of senior researchers from the partner institutions. A book of proceedings will be published containing the extended abstracts. Certificates of Participation will be issued to the presenters, which can be used to gain credits towards the PhD course work.

During the DS²BE 2022, we will have two keynote speakers presentations to provide insights about the central theme “**Renovating the building stock**”.

- “Energy epidemiology: how interdisciplinary approaches will secure the zero carbon buildings stock transition in Europe” lectured by Prof. Ian Hamilton (UCL);
- “Can we renovate towards a carbon-free building stock without increasing inequality?” lectured by Prof. Johan Albrecht (UGent).

For both short and long sessions, the PhD candidates can provide submissions that concern topics, such as:

- **Sustainable Buildings:** Energy performance of buildings, Performance and durability of building elements and envelope, Energy efficiency and Sufficiency, Building Physics and thermal comfort, Indoor air quality (IAQ) and Indoor environmental quality (IEQ), Resource Use and Sustainable Design, Materials, Re-cycling / re-use, Vernacular architecture, Bioclimatic, biomimetic and integrated design...
- **Sustainability Theory:** Sustainability science, the 3 Pillars, Climate change adaptation and mitigation strategies, Resilience, Transition, Circularity, Systems and Complexity theories...
- **Sustainable Urbanism:** Urban design, urban form & urban futures, Landscape and ecology, Green infrastructure and ecosystem services, Nature-based solutions, Land-use, Public space, Housing, Infrastructure and transportation, Retrofitting and regeneration, Research by Design....
- **Sustainability Analysis and Assessment:** Sustainability / Environmental Assessment at building and neighbourhood scales, and at the scale of city and regions; Methodologically oriented PhDs focusing on issues related to LCA (Life Cycle Assessment), I-O (Input-Output Analysis), MFA (Material Flow Analysis), Simulation techniques, Scenario building (fore-casting and back-casting, etc.)...

POSTER and ABSTRACT Submission

In your draft poster submission, please make sure not to exceed 5 MB size, and to provide your and your supervisor(s) names and institutional affiliation, including the title of your PhD. Abstracts should be no more than **300 words**. Please include the author[s] full name, affiliation, and e-mail- address on a separate page.

Templates for the paper and poster can be downloaded here:

www.ds2be.net

Please name your submission as ‘poster DS2BE-2022 (your surname and university affiliation)’ or ‘abstract DS2BE-2022 (your surname and university affiliation)’ and send it **before 14/01/2022** to info@ds2be.net.

For further inquiries, please contact info@ds2be.net or have a look at www.ds2be.net.

TIMELINE

15/10/2021	Launch of the Call for Papers
14/01/2022	Deadline for Submission of paper abstracts and draft posters
31/01/2022	Notification of acceptance
11/03/2022	Submission of full papers and posters
08/04/2022	Peer review feedback
22/04/2022	Deadline for DS2BE registration
06/05/2022	Submission of revised posters and paper abstracts

SCIENTIFIC & ORGANISING COMMITTEES

SCIENTIFIC COMMITTEE:

Prof. Ahmed Z. Khan (ULB), Prof. Philippe Bouillard (ULB), Prof. Karen Allacker (KUL), Prof. Frank De Troyer (KUL), Dr. Damien Trigaux (KUL), Prof. Niels De Temmerman (VUB), Prof. Griet Verbeeck (UH), Prof. Elke Knapen (UH), Prof. Luisa Moretto (ULB), Prof. Shady Attia (ULg), Prof. Philippe André (ULg), Prof. Jean-Marie Halleux (ULg), Prof. Geoffrey van Moeseke (UCLouvain), Prof. Nathan Van Den Bossche (UG), Prof. Tim De Kock (UA), Prof. Hilde Breesch (KUL), Prof. Waldo Galle (VUB), Prof. Jelle Laverge (UG), Prof. Arnold Janssens (UG), Prof. Marijke Steeman (UG), Prof. Bernard Declève (UCLouvain), Prof. Geoffrey Grulois (ULB), Prof. Frank Canters (VUB), Prof. Jacques Teller (ULg), Prof. Filip Descamps (VUB), Prof. Bernard Deprez (ULB), Prof. Sigrid Reiter (ULg), Prof. Geert Van der Snickt (UA), Prof. Andre Stephan (UCLouvain), Prof. Maider Llaguno (UCLouvain).

2022 ORGANISING COMMITTEE:

Prof. Marijke Steeman (UG), Prof. Nathan Van Den Bossche (UG), Prof. Griet Verbeeck (UH), Prof. Tim De Kock (UA), Prof. Hilde Breesch (KUL), Prof. Waldo Galle (VUB).

PARTNER UNIVERSITIES



BATir (Prof. Ahmed Z. Khan, and Prof. Philippe Bouillard) ;
Fac. Arch. (Prof. Geoffrey Grulois; Prof. Luisa Moretto; Prof. Bernard Deprez);



AE lab (Prof. Niels De Temmerman, Prof. Waldo Galle, Prof. Filip Descamps);
Department of Geography (Prof. Frank Canters);



Design and Engineering of Construction and Architecture (Prof. Karen Allacker, Prof. Frank De Troyer, Dr. Damien Trigaux)
Building Physics and Sustainable Design (Prof. Hilde Breesch)



LOCI – Architecture et Climat (Prof. Geoffrey van Moeseke);
URBA(n) (Prof. Bernard Declève)
Faculty of Architecture, Architectural Engineering and Urban Planning (Prof. André Stephan, Prof. Maider Llaguno)



Faculty of Design Sciences (Prof. Geert Van der Snick, Prof. Tim De Kock)



Faculteit Architectuur & Kunst (Prof. Griet Verbeeck, Prof. Elke Knapen)



LEMA (Prof. Jacques Teller, prof. Sigrid Reiter)
SBD Lab (Prof. Shady Attia)
Building Energy Monitoring and Simulation (Prof. Philippe André)
ECOGEO (Prof. Jean-Marie Halleux)



Building Physics research group (Prof. Arnold Janssens, Prof. Nathan Van Den Bossche, Prof. Marijke Steeman, Prof. Jelle Laverge)