

Green.Building.Solutions. 2026_PROGRAM



| | | Topic | Lecturer |
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| WEEK 1 | | | |
| 13.7.2026 | Monday | KICK OFF & INTRODUCTION | |
| <i>The GBS opens with the explanation of its key aspects and of the project topic including a visit to the project site. The focus of the kick-off lies on sustainability challenges in design. A moderated round table discussion explores how climate change is approached across different cultural and political contexts.</i> | 09:00 - 10:00 | Introduction & Orientation | B. Mayr, M. Turrini, GBS Team |
| | 10:00 - 10:10 | Break | |
| | 10:10 - 11:20 | Get together & Team Building | GBS Team |
| | 11:20 - 11:30 | Break | |
| | 11:30 - 13:30 | Building(s) for the future. Challenges and solutions for a sustainable built environment. Forum: Climate Change approaches | D. Österreicher |
| | 13:30 - 14:30 | Lunch Break in the TU | |
| | 14:30 - 17:30 | Project Work kick-off and visit to the project site | D. Calas, K. Stieldorf, G. Reinberg, M. Turrini |
| 14.7.2026 | Tuesday | URBAN SCALE: ENERGY PLANNING | |
| <i>The programme then moves to the territorial and urban scale, exploring how communities can work synergistically towards shared and smarter energy use. Planning approaches are discussed with a focus on cooperation and shared management in community-based energy practices. Expert insights on urban design and planning methods in the city of Vienna provide the context in which these perspectives are explored.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS team |
| | 09:15 - 10:15 | Building Green from a Spatial Planner's Perspective | G. Stöglehner |
| | 10:15 - 10:25 | Break | |
| | 10:25 - 11:25 | Urban Energy Planning and Energy | S. Sattler |
| | 11:25 - 11:35 | Break | |
| | 11:35 - 12:35 | Digital Twins and Positive Energy Districts: Transforming Urban Landscapes | G. Etminan |
| | 12:35 - 13:35 | Lunch Break | |
| | 13:35 - 14:35 | Developing the City of Vienna | R. Krebs |
| | 14:35 - 14:45 | Break | |
| | 14:35 - 17:00 | Workshop. Urban Approach for the City of Vienna | R. Krebs, D. Calas |
| 15.7.2026 | Wednesday | URBAN SCALE: SOCIO-CULTURAL APPROACHES | |
| <i>Building on experiences of shared and community-based energy practices, the focus expands to the social dimension of urban sustainability. Spatial planning and the built environment are examined in terms of their capacity to create opportunities for inclusion and access in everyday urban life. Urban form and public space are considered as supports for shared use, negotiation and coexistence, framing social sustainability as a matter of spatial conditions.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS team |
| | 09:15 - 09:55 | From Process to Project | D. Calas |
| | 09:55 - 10:05 | Break | |
| | 10:05 - 10:45 | From Theory to Practice: Gender-Sensitive Design for New Residential Districts | S. Riss |
| | 10:45 - 10:55 | Break | |
| | 10:55 - 11:35 | Context as a driver for development | S. Netsch |
| | 11:35 - 12:35 | Workshop 1. Approaches | S. Riss, D. Calas, S. Netsch |
| | 12:35 - 13:35 | Lunch Break | |
| | 13:35 - 15:35 | Workshop 2. Spatiality and Structure | S. Riss, D. Calas, S. Netsch |
| | 16:30 - 20:00 | Opening ceremony | |
| 16.7.2026 | Thursday | CLIMATE, MICROCLIMATE AND THERMAL COMFORT | |
| <i>The relationship between collective urban conditions and individual experience is then discussed, with the built environment understood as an active mediator between microclimate and human thermal comfort. Climate-responsive design frames architecture and urban form as active controllers of comfort across outdoor and indoor spaces. Tools such as the AI-based INFRARED-City inform design decisions in the context of climate change.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS team |
| | 09:15 - 10:15 | Climate sensitive design: from weather to comfort within the built environment | TBC |
| | 10:15 - 10:25 | Break | |
| | 10:25 - 11:25 | The built environment as a mediator for thermal comfort in outdoor and indoor | M. Turrini |
| | 11:25 - 11:35 | Break | |
| | 11:35 - 12:35 | Indoor comfort | P. Jung |
| | 12:35 - 13:35 | Lunch Break | |
| | 13:35 - 13:55 | Passive House refurbished flat | R. Schild |
| | 13:55 - 14:05 | Break | |

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| context of climate change. | 14:05 - 15:05 | AI applications for urban comfort | A. Chronis |
| | 15:05 - 15:15 | Break | |
| | 15:15 - 17:30 | Workshop. INFRARED-City. AI for outdoor comfort assessment | S. Genc |
| Evening voluntary activity | 18:30 | Visit to a Passive House refurbished flat | R. Schild |
| 17.7.2026 | Friday | ARCHITECTURE SCALE: SHAPING DECARBONIZATION | |
| <i>Extending the idea of indoor–outdoor continuity, the building envelope can act as a shielding, enclosing layer. In this condition of separation, thermal comfort and decarbonization are tackled through the Passive House standard, while acoustic comfort is a key condition of protected spaces. Building performance is treated as an early design task, explored through envelope strategies using tools such as Honeybee.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS team |
| | 09:15 - 10:15 | The Architecture of Green Buildings | G. Reinberg |
| | 10:15 - 10:25 | Break | |
| | 10:25 - 11:25 | Passive House, a constantly up-to-date building concept | L. Lepp |
| | 11:25 - 11:35 | Break | |
| | 11:35 - 12:35 | The Skin Matters - How Building Envelopes Define Energy & Comfort | D. Michulec |
| | 12:35 - 13:35 | Lunch Break | |
| | 13:35 - 14:35 | Acoustic comfort | R. Schild |
| | 14:35 - 14:45 | Break | |
| | 14:45 - 17:30 | Workshop. Passive strategies with HONEYBEE | M. Turrini |
| 18.7.2026 | Saturday | ARCHITECTURE SCALE: DAYLIGHT OPTIMIZATION | |
| <i>Enclosing envelopes limit access to light, making visual comfort an optimization challenge linked to energy efficiency and decarbonization. In this case, analog simulation tools remain effective. The first week ends up with a visit to Krems.</i> | 08:00 | Meetup bus travel + Feedback and discussion | |
| | 09:30 - 13:00 | Daylight in Krems | G. Radinger, M. Turrini |
| | 13:00- 14:00 | Lunch break | |
| | 14:00 - 16:00 | Excursion in Krems | |
| 19.7.2026 | Sunday | FREE DAY | |
| WEEK 2 | | | |
| 20.7.2026 | Monday | CARBON NEUTRALITY AND NATURE BASED SOLUTIONS | |
| <i>In the context of climate change, carbon neutrality represents a key objective for the built environment, marking a transition from architectural and urban design scales to a more detailed focus on materials, construction systems and technological solutions. The reduction of embodied and operational emissions is addressed through low-carbon strategies that improve carbon intensity and local environmental conditions. Life cycle assessment provides the scientific framework to quantify impacts and support informed sustainability choices. These themes will be addressed through shared reflection and collective exchange within the design process.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS Team |
| | 09:15 - 10:15 | Alternative building materials | K. Stieldorf |
| | 10:15 - 10:25 | Break | |
| | 10:25 - 11:25 | Green Roofs and Green Walls | E. Leitner |
| | 11:25 - 11:35 | Break | |
| | 11:35 - 12:35 | Timber constructions | B. Kromoser |
| | 12:35 - 13:35 | Lunch break | |
| | 13:35 - 15:35 | Workshop. LCA calculations | TBA |
| | 15:35 - 15:45 | Break | |
| 15:45 - 17:30 | Round table discussion. Choosing sustainability in the building sector | K. Stieldorf, G. Reinberg, lecturers of the day, guests | |
| Evening Program | 18:00 | Optional: Sports evening: Soccer, Tennis, Volleyball, Chill out | |
| 21.7.2026 | Tuesday | CIRCULAR ECONOMY | |
| <i>In the transition towards climate neutrality, the circular economy reframes the built environment as a system of material cycles. The focus shifts from resource extraction to strategies based on reuse, recovery and the extended lifespan of building components, interpreting the existing</i> | 09:00 - 09:15 | Feedback and discussion session | GBS Team |
| | 09:15 - 10:15 | Circularity as one of the secret tools tackling Sustainability in the Construction Sector: Why, What For and How? | A.-V. Deinhammer |
| | 10:15 - 10:25 | Break | |

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| <i>urban fabric as a reservoir of materials to be recovered through urban mining. This perspective highlights how systemic changes in construction practices can support decarbonisation goals and contribute to a climate-neutral built environment, opening a round table discussion on circular design principles and long-term transformation scenarios.</i> | 10:25 - 11:25 | Urban Mining | T. Romm |
| | 11:25 - 11:35 | Break | |
| | 11:35 - 13:00 | Round table discussion. Circular economy | Moderation: GBS Team |
| | 13:00 - 14:00 | Lunch break | |
| | 14:00 - 17:30 | Workshop and Forum in project work | |
| 22.7.2026 | Wednesday | BUILDING SYSTEMS FOR RENEWABLE ENERGY PRODUCTION | |
| <i>Passive strategies for thermal comfort significantly reduce but do not remove energy demand in buildings. The same climate-conscious criteria applied to material selection and construction processes should also guide how the residual need for energy is met through emission-free production devices. Renewable energy systems are integral components of the building, where architectural integration and technological performance enable low-carbon operation. Observing real case studies will support the understanding of how these solutions translate design intentions into emission-free energy production.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS Team |
| | 09:15 - 10:15 | Solar thermal and architecture | R. Hackstock |
| | 10:15 - 10:25 | Break | |
| | 10:25 - 11:25 | Heat pumps in green buildings | T. Natiesta |
| | 11:25 - 11:35 | Break | |
| | 11:35 - 12:35 | Photovoltaics and its applications | A. Erber |
| | 12:35 - 12:45 | Break | |
| | 12:45 - 13:45 | Geothermics and its application | E. Haslinger |
| | 13:45 - 14:45 | Lunch break | |
| | 14:45 - 17:30 | Excursion (Kauergasse, SmartCity Baumgarten, Käthe-Dorsch-Gasse...) | GBS Team & Guest |
| Evening program | 18:00 - 19:30 | AEMS Public Panel Discussion:World trade and Multilateralism | |
| 23.7.2026 | Thursday | EXCURSIONS DAY | |
| <i>The interconnection between urban and architectural planning, energy systems and materials is clarified through a site visit to inhabited, climate-conscious Viennese neighbourhoods as lived urban environments.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS Team |
| | 09:15 - 12:30 | Excursion - Sonnwendviertel | Y. Franz, H. Scheidemandel, GBS Team |
| | 12:30 - 13:30 | Lunch break | |
| | 13:30 - 17:30 | Project Work | GBS Team |
| 24.7.2026 | Friday | INTERIM PRESENTATION | |
| <i>The work developed over the two weeks is synthesised into a holistic and inclusive low-carbon vision for the project. Each project group presents a coherent design strategy that integrates the explored concepts, marking the shift from learning to application and the start of the project week.</i> | 09:00 - 09:15 | Feedback and discussion session | GBS Team |
| | 09:15 - 12:30 | Project work | GBS Team |
| | 12:0 - 13:30 | Lunch break | |
| | 13:30 - 17:30 | INTERIM PRESENTATIONS. A holistic strategy | K. Stieldorf, G. Reinberg, D. Calas, M. Turrini |
| 25.7.2026 | Saturday | FREE DAY | |
| 26.7.2026 | Sunday | PASSATHON - Green buildings bikes tour | |
| <i>Experiencing sustainability as an integrated practice, combining certified passive architecture with active, low-impact mobility.</i> | 09:00 -16:30 | Excursion: Passathon in the Seestadt, incl. PopUp dorms and Green House. Parallel: Social Housing Tour w. Eugene Quinn, starting pointing: Karl Marx Hof | G. Lang, M. Lang, GBS team, Tutors |
| WEEK 3 | | | |
| 27.7.2026 | Monday | PROJECT WORK | |

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| | 09:00 - 09:15 | Feedback and discussion session | GBS team |
| | 09:15 - 13:00 | Project work | GBS Team |
| | 13:00 - 14:00 | Lunch break | |
| | 14:00 - 17:00 | Project Work | GBS Team |
| Evening Program | 18:00 | Optional: Sports evening: Soccer, Tennis, Volleyball, Chill out | |
| 28.7.2026 | Tuesday | PROJECT WORK | |
| | 09:00 - 12:00 | Project work | GBS Team |
| | 12:00 - 13:00 | Lunch break | |
| | 13:00 - 17:00 | Project Work | GBS Team |
| Evening program | 20:00 | Movie Night | |
| 29.7.2026 | Wednesday | PROJECT WORK | |
| | 09:00 - 12:00 | Project work | GBS Team |
| | 12:00 - 13:00 | Lunch break | |
| | 13:00 - 17:00 | Project Work | GBS Team |
| Evening program | | Dinner in a typical Austrian "Heuriger" | |
| 30.7.2026 | Thursday | PROJECT WORK | |
| | 09:00 - 12:00 | Project work | GBS Team |
| | 12:00 - 13:00 | Lunch break | |
| | 13:00 - 17:00 | Project Work | GBS Team |
| 31.7.2026 | Friday | PROJECT WORK | |
| | 09:00 - 12:00 | Project work | GBS Team |
| | 12:00 - 13:00 | Lunch break | |
| | 13:00 - 17:00 | Project Work and final delivery | GBS Team |
| 1.8.2026 | Saturday | FAREWELL | |
| | 09:00 - 12:00 | Individual preparation to the final presentation | |
| | 12:00 - 13:30 | Lunch break | |
| | 13:30 - 17:30 | Final presentations | B. Mayr, K. Stieldorf, G. Reinberg, D. Calas, M. Turrini |
| | 18:00 - 20:00 | Closing ceremony | Moderated by E. Quinn |