

Showcasing country and regional updates as we drive sustainable solutions to advance low carbon buildings across Asia.

Project Updates



Building Engagement Workshop on May 20, 2025.



LCB Training on May 28-30, 2025.

Cambodia

Subnational Building Assessment: A deep-dive assessment of 75 has been completed. Data captured on both operational and embodied carbon will be considered into the national baseline and assess data availability for application of the Building Emission Assessment Tool (BEAT).

Policy Recommendations: Stakeholder consultation on net-zero buildings (NZB) scenario modelling has been initiated. Review of Cambodia's Draft NDC 3.0 is ongoing, with plans to integrate the green building code and energy efficiency code. On 4 June, inputs to the draft Cambodia Sustainable Finance Taxonomy submitted to the National Bank of Cambodia.

Low Carbon Buildings (LCB) Training Program: The second training session was held on May 28-30, with participation from 24 government officials across key ministries, including Mines and Energy, Land Management, Industry, Environment, Labor, Economy and Finance, and Phnom Penh Capital Administration (PPCA). A third training, targeting the finance and banking sector, is scheduled for August.

Knowledge Sharing and Stakeholder Engagement: A Building Engagement Workshop was held on May 20 with developers, building owners, associations, and technical stakeholders from the Ministry of Land Management, Urban Planning, and Construction (MLMUPC). A follow-up workshop is planned for July. The project also worked with the Build4People project in the development of B4P Transformation Toolbox Climate Protection & Energy Flow guidelines to support the PPCA. The Build4People handover ceremony with PPCA was held on 28 May.

Technical Advisory Committee (TAC) and Project Steering Committee (PSC) Updates: 2nd TAC Meeting will be held in July, and the 2nd PSC Meeting is planned for September.

India

Subnational Building Assessment: Deep-dive assessments were conducted in 101 buildings in Uttar Pradesh, 80 in Kerala, and 55 in Haryana, with selected samples currently being tested for integration into the BEAT.

Policy Recommendations: Stakeholder consultations continued in Q2, including on April 4 with the World Bank and a major consultation and review workshop on June 6 at IHC, New Delhi. The latter featured expert feedback on five core recommendations and the official launch of the Policy Review and Institutional Mapping of Building Energy Efficiency Programs in India report. A final policy workshop is planned for July.

On 25 June, GGGI submitted inputs for the finalization of the "Draft Climate Finance Taxonomy for India" to the Ministry of Finance.

LCB Training Program: In Q2, 12 training sessions were conducted across Kerala, New Delhi, Odisha, Haryana, Hyderabad, Vishakhapatnam, Telangana, Jamshedpur, Bellary, and Ranchi, benefiting over 600 building professionals in the first half of 2025.

Meanwhile, an inception report on the review of university syllabi in three states was completed in May, with ongoing gap assessments focused on integrating low carbon content into undergraduate courses.

Stakeholder Engagement: On May 28-29, ALCBT participated in two key events in New Delhi, including the MoU extension signing with EESL during the "Electrification of Economic Sectors" forum, and the National Workshop on advancing low-carbon growth through energy efficiency in the industrial and building sectors.

TAC and PSC Update: The 5th TAC meeting is scheduled for July, and the 1st Project Steering Committee (PSC) meeting is planned for August.



Training of Master Trainers in Hyderabad, India, April 29, 2025.



GGGI and EESL Renew MoU in New Delhi, May 28, 2025.



"Towards Net-Zero Commercial Buildings: Energy Efficiency and Green Building Integration" Seminar on April 17, 2025. (Photos 1 and 2 above)

Indonesia

Subnational Building Assessment: Preparatory work is underway in Jakarta and Semarang, following consultations with local government agencies to support upcoming assessments.

Policy Recommendations: Stakeholder consultation on NZB scenario model has been initiated. Consultation with government and development partners is scheduled for July, following pre-consultations in June with the Ministry of Public Works and Housing (MPWH) and the Ministry of Energy and Mineral Resources (MEMR).

LCB Training Program: MPWH and MEMR have formally requested the ALCBT project's support in their certification programs for Green Building Experts (Ahli BGH), energy auditors, and energy managers. The ALCBT training modules will be expanded to include dedicated content on these areas. The first training session is scheduled for July. Meanwhile, engagement with potential local universities is ongoing. The LCB training materials will be utilized for the development of university syllabus.

Knowledge Sharing and Stakeholder Engagement: A national seminar on "Towards Net-Zero Commercial Buildings" was held on April 17, co-organized by GGGI-ALCBT, BOMA Indonesia, ASHRAE Indonesia Chapter, and CLASP. In May, a series of coordination meetings with MPWH, MEMR, and PT Aircon Pratama discussed the Building Energy Conservation Collaboration Plan and proposed concepts for LCB training implementation, with a focus on data collection and energy audits.

PSC Updates: 2nd PSC meeting planned for August.

Thailand

Subnational Building Assessment: Data collection for embodied and operational carbon assessment is ongoing, in coordination with the Department of Alternative Energy Development and Efficiency (DEDE) to gather Energy Use Intensity data by building type, supporting the development of the project's MRV tool. Integration of Carbon Footprint data into BEAT is also in progress, with support from the Thailand Greenhouse Gas Management Organization to access construction material data. The project is additionally partnering with Eco Platform to access international Environmental Product Declaration data for government and public use.

Policy Recommendations: Reviews are in progress for Thailand's Policy and Regulatory Framework, the Country Assessment Report, and the Green Finance Network framework.

LCB Training Program: A kickoff meeting with delivery partner King Mongkut's University of Technology Thonburi (KMUTT) was held. KMUTT plans to integrate ALCBT training content into its existing Green Building Technology course, as part of its Outcome-Based Education Module framework, with plans for integration into the university's academic curriculum.

Establishing Financial Pathways: A Carbon Trust survey is currently being translated into Thai and will be shared with banks, energy institutions, and policymakers, along with one-on-one interviews. Insights gathered will inform the development of a study assessing market readiness for Energy Service Companies and on-bill financing mechanisms.

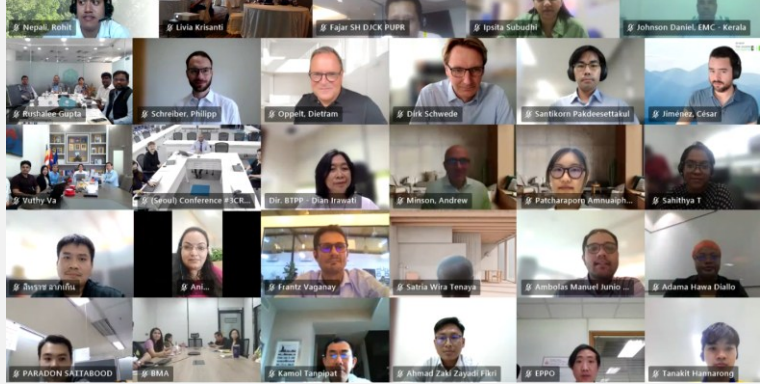


Project Steering Committee in Bangkok on March 31, 2025.

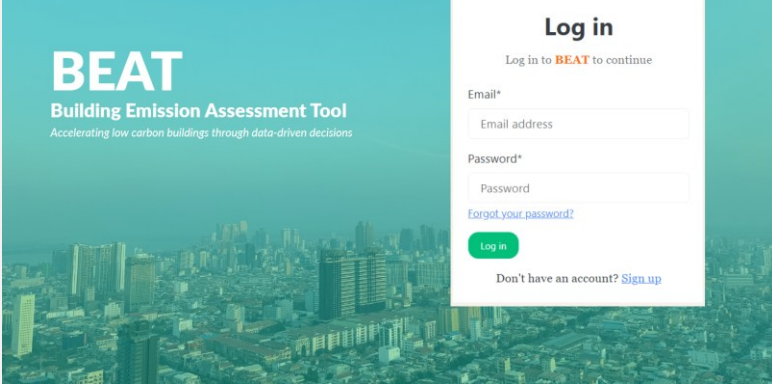
Knowledge Sharing: ALCBT was featured at the 81st ESCAP Commission Session at the German Country Booth in Bangkok from April 21-25.

TAC and PSC Updates: Second TAC meetings on techniques (September) and investment (October), and the second PSC meeting (November) are scheduled.

Regional Updates



ALCBT Launches Groundbreaking Building Emission Assessment Tool (BEAT) to Transform Whole Life Carbon Assessment Across Asia ([Explore](#))



ASEAN Centre for Energy (ACE)

- Green Public Procurement:** Development of regional guidelines for air conditioners is ongoing, following a market assessment and policy review completed in April 2025. Country-specific criteria and an Excel-based compliance tool drafted for consultation.
- ESCO Market and On-Bill Financing (OBF):** A draft review of policies and regulations related to the ASEAN ESCO market and on-bill financing was drafted. Ongoing consultations aim to gather input from stakeholders and prepare for a regional market survey. A separate draft report on ESCO market engagement is also underway.
- Regional Investment Platform:** Prototype of one-stop-shop (OSS) investment platform is being transitioned into full web development with user testing expected to begin in July, following the second regional consultation held on April 30.

Global Green Growth Institute (GGGI)

- Policy Recommendations:** Stakeholder consultations on net-zero building scenario modelling are underway across project countries. In India, the consultation phase has been completed and will be presented to the PSC. In Cambodia and Indonesia, identification of key stakeholders for upcoming consultations ongoing. The draft models have been initially reviewed and will soon be shared more widely for refinement.
- Financial Pathways:** The concept and terms of reference for a regional financial modelling tool developed in April. Meanwhile, the Green Finance Network (GFN) framework was finalized in May, and engagement with domestic bank associations, financial institutions, and government partners is ongoing in all project countries for the GFN set-up. A country-level financial landscape publication has been [published in India](#), with reviews underway in Cambodia, Indonesia, and Thailand.
- Knowledge Sharing and Engagements:** The ALCBT project was featured at key regional forums this quarter: at the ASEAN Energy Efficiency & Conservation Workshop on May 21 in Kuala Lumpur, and at the 29th ASEAN EE&C-SSN Meeting on May 22.

Energy Efficiency Services Limited (EESL)

- Cooling-as-a-Service (CaaS) Model Development:** CaaS business and financial model was developed in April. These have been shared with partners for refinement, and a regional webinar and consultation is planned for July.
- Market Engagement and Implementation Planning:** Positive discussions have taken place with GEMS Hospital in Uttar Pradesh and the Sports Authority of India, overseeing four major stadiums, regarding pilot CaaS implementation. Ongoing engagement with state-level agencies to explore the inclusion of government buildings under the model. A stakeholder awareness program targeting potential market players is being planned to build broader support.
- Institutional Support and ESCO Readiness:** A list of key stakeholders across partner countries is being explored and engagement with state agencies in India is ongoing to identify suitable buildings for retrofitting. A Market Readiness Report for Cooling Retrofits is currently in progress. Additionally, a draft ESCO market engagement report has been prepared.

HEAT International GmbH

- Building Emission Assessment Tool (BEAT):** Officially launched on June 24, with over 100 participants from project countries and partners. A demo session was earlier conducted for the ALCBT team on April 25. Ongoing work includes enhancing data analysis and benchmarking using inputs from country-level building assessments. A handbook and tutorial video have been developed to help users navigate the tool. Learn more on [beat-alcbt.gggi.org](#).
- Building Taxonomy Roadmap:** A draft roadmap to guide the classification of building types and emissions data was shared during the BEAT launch.
- MRV Tool:** Development of a regional Measurement, Reporting, and Verification (MRV) tool for the building sector is underway, integrating data from multiple countries and building types. The tool is being developed in collaboration with the Global Buildings Performance Network.
- Policy Recommendation:** The policy review report on embodied carbon for India is underway. For Cambodia, feedback from stakeholders on the draft embodied carbon policy report has been received and is being incorporated.

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on the basis of a decision
by the German Bundestag