



EEAP NEWSLETTER

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[HTTPS://ENERGY-EVALUATION.ORG/](https://energy-evaluation.org/)



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ABOUT ENERGY EVALUATION ASIA PACIFIC (EEAP)

Energy Evaluation Asia Pacific (EEAP) is a diverse community committed towards mainstreaming energy evaluation by building capacities and sharing relevant experiences across the region to deliver more effective energy policies and programmes.

Introducing Poh Seng (PS) Lee: A Valuable Addition to Our Steering Committee, Bringing Expertise and Fresh Perspective!



Professor Poh Seng (PS) Lee, from Singapore, joined EEAP's Steering Committee in February 2024. He currently holds the position of Dean's Chair and Associate Professor in Mechanical Engineering at the National University of Singapore (NUS). With a focus on sustainable energy, Professor Lee is a leading figure in the field and has contributed extensively through his research and publications, particularly in Energy Efficiency.

Notably, he was honored with the 2011 Asia Pacific Clean Energy Summit Top 10 Defense Energy Technology Solutions Award for his outstanding contributions. Beyond academia, Professor Lee serves as the Executive Director at the Energy Studies Institute (ESI) and holds leadership positions within the Singapore Energy Consortium (SEC) and the Centre for Energy Research & Technology (CERT).

Prof. Lee champions the advancement of energy-efficient technologies and policies. His pioneering work, especially in sustainable data center liquid cooling solutions, underscores his commitment to addressing climate challenges. Prof. Lee's entrepreneurial venture, CoolestDC Pte Ltd, further exemplifies his dedication to transferring research innovations into practical, market-driven solutions.

"Evaluation stands as the cornerstone of our journey towards sustainable energy solutions and decarbonization pathways. It not only measures progress but also enlightens our path forward, ensuring that every innovation and policy decision is aligned with our ultimate goal of achieving net zero and sustainability. My commitment to rigorous evaluation reflects a belief in its power to drive impactful, evidence-based improvements in our global energy landscape." (PS LEE)

For more insights into the fellow members of EEAP's Steering Committee, be sure to visit the dedicated [page](#). You'll also discover information on how to become a part of the steering committee.



How Energy Evaluation can Advance Data Center Sustainability in the Asia-Pacific Digital Boom

Poh Seng (PS) Lee, Member Steering Committee EEAP

The digital boom in the Asia-Pacific region, driven by the proliferation of digital technologies and the escalating demand for data services, has led to an unprecedented expansion of data center infrastructure. This expansion, while a boon for technological advancement and economic growth, presents significant challenges in energy consumption and sustainability. Recognizing these challenges, this article explores how energy evaluation can serve as a critical tool in advancing data center sustainability amidst this digital boom.

The Imperative of Energy Evaluation

Energy evaluation in data centers is an essential process that goes beyond mere measurement of energy use. It involves a detailed analysis of energy consumption patterns, identification of inefficiencies, and the development of strategies to improve energy use and reduce environmental impact. This process is crucial in the Asia-Pacific's fast-paced digital growth context, enabling data centers to optimize operations while aligning with global sustainability goals.

Strategic Frameworks and Benchmarking: Beyond PUE

While the Power Usage Effectiveness (PUE) metric has been a staple in assessing data center energy efficiency, it only provides a partial picture. PUE, a simple ratio of total facility energy to IT equipment energy, can mask the complexities of a data center's energy use. Energy evaluation complements PUE by offering a comprehensive view of energy dynamics, uncovering inefficiencies that PUE alone may not reveal. Through detailed energy assessments, data centers can identify opportunities for improvement in both IT and non-IT operations, paving the way for a more holistic approach to energy efficiency and sustainability.

Navigating Policy and Regulatory Landscapes

Policies and regulations are pivotal in shaping the sustainability trajectory of data centers. In the Asia-Pacific, a diverse regulatory environment necessitates a nuanced approach to compliance and sustainability practices. Energy evaluations can inform policy development and compliance strategies, ensuring that data centers not only meet regulatory requirements but also contribute to broader sustainability objectives. By leveraging insights from energy evaluations, data centers can navigate the regulatory landscape more effectively, adopting practices that enhance energy efficiency and reduce environmental impact.

Leveraging Technological Innovations

Technological innovation is at the heart of improving data center sustainability. Energy evaluations play a key role in identifying and integrating cutting-edge technologies that can reduce energy consumption and carbon footprint. From liquid cooling solutions to renewable energy integration, energy evaluations help data centers pinpoint the most effective technologies and practices to enhance sustainability. This continuous pursuit of innovation, guided by thorough energy assessments, ensures that data centers can meet the demands of the digital era while minimizing their environmental impact.

Conclusion: Charting a Sustainable Path Forward

The Asia-Pacific's digital boom presents both challenges and opportunities for data center sustainability. Energy evaluation emerges as a vital tool in this landscape, providing the insights necessary to optimize energy use, comply with regulatory requirements, and embrace technological innovations. As data centers continue to evolve, the adoption of comprehensive energy evaluations will be crucial in advancing sustainability goals. By prioritizing energy efficiency and environmental stewardship, the Asia-Pacific can ensure that its digital infrastructure grows in harmony with the planet's health, paving the way for a sustainable digital future.

Insights from EEAP's Evaluation of SDG7 Webinar Series

Sustainable Development Goal 7 (SDG7) focuses on ensuring access to affordable, reliable, sustainable, and modern energy for all by 2030. It addresses the urgent need to transition towards clean energy sources, improve energy efficiency, and expand access to electricity in both urban and rural areas. Evaluation plays a crucial role in assessing progress towards SDG7 targets, identifying gaps and challenges, and informing evidence-based policies and interventions. By systematically assessing the impact of energy programs and policies, evaluations contribute to the effective allocation of resources, the identification of best practices, and the acceleration of progress toward achieving SDG7 objectives.

In the first quarter of 2024, EEAP hosted two sessions as part of its webinar series focusing on the 'Evaluation of SDG7 in the Asia Pacific'. These sessions aimed to disseminate insights and lessons learned from the evaluation of policies and programs related to SDG7.

Highlights from Session 1 on Jan 18, 2024

The first session in the SDG7 webinar series featured two keynote speakers: Michael Williamson, Section Chief, Energy Division in the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), and Navin Kumar Jha, Assistant Professor, Tribhuvan University, Nepal.

		
MICHAEL WILLIAMSON	NAVIN KUMAR JHA	EDWARD VINE
Section Chief, Energy Division UNESCAP	Assistant Professor Tribhuvan University	Steering Committee Member, EEAP
"SDG7 Roadmaps: Identifying and Addressing Evaluation Challenges"	"Pathways to clean cooking transition in Nepal: Policies governing household Biodigesters in Nepal"	Webinar Moderator

Michael Williamson provided an overview of SDG7 roadmaps by the Economic and Social Commission for Asia and the Pacific member states and highlighted evaluation challenges for evaluating the impact of SDG7 roadmaps. Mr. Navin's presentation focused on the pathway to clean cooking transition in Nepal, examining the policies governing household biodigesters in Nepal. The session provided valuable perspectives on the complexities surrounding SDG7 implementation and evaluation in the Asia Pacific region, fostering meaningful discussions among attendees.

You can access the summary notes and webinar recordings at this [link](#).

Highlights from Session 2 on Jan 31, 2024

The second session of the SDG7 webinar series included two esteemed speakers: Dayyan Shayani, a Statistician at the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), and Sohini Mookherjee, Lead at Abdul Latif Jameel Poverty Action Lab (J-PAL) and CLEAR South Asia.



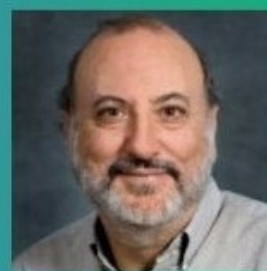
SOHINI MOOKHERJEE
Senior Training Manager,
J-PAL South Asia

*Lessons Learned about
SDG7 Evaluation*



DAYYAN SHAYANI
Statistician,
Statistics Division UNESCAP

*Is Asia Pacific Progressing
on SDG7?*



EDWARD VINE
Steering Committee
Member, EEAP

Webinar Moderator

Dayyan Shayani provided an overview of progress towards the SDG7 goal in the Asia Pacific region since 2015, drawing from available data on the six SDG7 indicators. Sohini's presentation delved into evidence from ongoing Randomized Control Trials (RCTs) related to energy access in India, offering valuable insights for policymakers tasked with implementing energy policies.

The webinar served as a valuable platform for knowledge-sharing and learning about the advancement of SDG7 in the Asia Pacific region. It also emphasized the importance of employing robust evaluation methods to generate evidence on the impact of policies and programs.

You can access the summary notes and webinar recording at this [link](#).

Previous webinars hosted by EEAP have focused on countries like South Korea, Sri Lanka, Nepal, Chile, and India and you can find the recordings of those webinars [here](#).

REGIONAL EVALUATION UPDATES

1. The Philippines Leading with National Evaluation Policy


The Philippines set a remarkable precedent in the region with the enactment of a National Evaluation Policy (NEP) as a priority in the Philippine Development Plan 2023-2028. This crucial step reflects their commitment to evidence-based practices, fostering accountability, transparency, and continual improvement in public policies and programs. Read more about this exciting news [here](#).


2. Nepal's Parliament Unanimously Passed 'Monitoring and Evaluation Bill-2080


House of Representatives unanimously passed 'Monitoring and Evaluation Bill-2080' to enhance public accountability and transparency in Nepal on March 1, 2024. Read more about this significant news [here](#).


EEAP's Energy Evaluation Resources

EEAP offers a valuable array of energy evaluation resources to support the growth of expertise in the Asia-Pacific region.

 **Directory of Energy Evaluation Course:** EEAP has developed a comprehensive directory of energy evaluation courses offered by colleges and universities, which can be accessed through our [website](#). This directory is designed to assist students and prospective learners who aspire to specialize in the evaluation of energy policies and programs, providing them with a valuable tool for academic and career development.

 **LinkedIn Engagement:** EEAP actively engages with its community through our [LinkedIn](#) page, where we share insightful resources and foster discussions on pertinent energy evaluation topics. It's your platform to network and stay informed. Join our linkedin community here: [EEAP LinkedIn](#)

 **Youtube Channel:** Energy Evaluation [Youtube](#) channel houses a collection of recorded webinars and conferences, offering a wealth of knowledge and insights from previous events from both Asia Pacific and European chapter. You can subscribe to get notification on latest additions.

 **Twitter Updates:** EEAP is active on twitter and share updates, industry news, and engage in meaningful conversations about energy evaluation. Follow us @EnergyEval to stay in the loop!

Meet Ripu Bhanjan Singh - EEAP's Steering Committee's Member from India



Ripu is a member of the steering committee of EEAP, which is responsible for formulating EEAP's strategy and preparing strategic and operational planning for the EEAP. Ripu works as an Independent Strategy Consultant, currently working with Swaniti Initiative, a US-based social enterprise dedicated to fostering an inclusive future in a climate-constrained world. Swaniti operates across 11+ states in India, partnering with legislators, policymakers, industry leaders, and civil society to promote a responsible green future. In his role, Ripu spearheads a strategy to engage stakeholders within Uttar Pradesh state government, legislators, industries, and financing institutions, in transitioning towards net-zero emissions, with a focus on securing climate finance for industrial decarbonization. His responsibilities encompass stakeholder engagement, climate finance mobilization, and sensitization initiatives aimed at building capacity in the region.

Ripu's journey toward energy evaluation began inadvertently during his tenure at GE Healthcare, where a passion for utilizing data to drive positive change was ignited. Subsequent experiences, including involvement with initiatives like Lighting a Billion Lives at The Energy and Resources Institute (TERI), further solidified his commitment to clean energy solutions. Working on bilateral projects like Partnership to Advance Clean Energy Deployment (PACE-D) and Greening the Grid (GTG) underscored the importance of robust evaluation frameworks in assessing the impact of energy interventions.

This journey ultimately led Ripu to EEAP, when he presented a paper during EEAP's second conference in 2019 and was inspired by EEAP's vision of fostering collaboration among evaluation professionals in the Asia Pacific region.

“EEAP is strategically positioned to navigate the complexities of the energy transition and support a just, equitable, and sustainable future for the Asia-Pacific region.” (Ripu)

Ripu's vision for EEAP's future centers on enhancing its role as a catalyst for evidence-based decision-making in energy policy and program evaluation. In the face of evolving geopolitical dynamics, Ripu believes EEAP can serve as a vital platform for regional collaboration, knowledge exchange, and capacity building. By promoting transparency, robust data analysis, and inclusivity, EEAP can navigate the complexities of the energy transition and contribute to a more sustainable and equitable future for the Asia-Pacific region. Ripu emphasizes the importance of expanding reach through strategic partnerships and leveraging technology to amplify EEAP's impact, ensuring its continued relevance in shaping the energy landscape of tomorrow.

 **Upcoming Events**

EEAP plans to organize more webinars under the series on the Evaluation of SDG7 policies and programs in the Asia Pacific. The third session is scheduled for March 2024 and the details are as follows:

- Date: March 20, 2024 | Time: 10:00 AM – 11:00 AM (Indian Standard Time)
- Registration Link: bit.ly/49hGnLr

Stay tuned to our [page](#) for the latest updates and the schedule of other webinars and events. We look forward to your participation and engagement!

CALLING ACADEMICS AND PROFESSIONALS

We invite you to contribute to our community by sharing your innovative projects, inspiring stories, and valuable insights on energy evaluation. Your contributions will enrich our community and provide valuable knowledge to fellow readers. Your submissions may be featured in our website and upcoming newsletters, showcasing your expertise and contributing to the collective learning of our community.

 **Contact Us!**

If you have any questions or suggestions, please reach out to us at asiapacific@energy-evaluation.org

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