

A Clean Energy Future: Modeling Using Open-Source Data and Software

The 34th of RGEI Webinar Series Under the Clean Energy Ministerial (CEM)

July 12 2023 1600(CET Time)/ 2200 (Beijing time)

Duration: 1 hour

ZOOM Link: [REGISTER](#)

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Presenter: Dr. Yixing Xu



Yixing is the CEO of GridCARE, a startup company focusing on using the power of both physics-based models and AI to accelerate the clean energy transition. Previously, Yixing was the Research Director at Breakthrough Energy. Yixing works with professors, industry leaders, investors, scientists, software engineers, and data scientists to explore accelerated pathways to carbon neutrality and build open-source and proprietary energy systems software. He focuses on energy system planning, simulation, and optimization, clean energy technology, energy policy, and climate tech investment. The goal of his efforts is to support industry experts, policymakers, investors, and researchers in studying, planning, and investing in future energy systems. Yixing has spent the entirety of his academic and industrial career working in the clean energy field. He co-founded GridCARE in 2023. Starting in 2014 at Intellectual Ventures, he founded the grid modeling project and led a diverse team of experts to build a high-resolution electric grid model to support large-scale clean energy integration. In 2013, he worked at Alstom Grid to build energy market clearing engines for the energy industry. Yixing completed his PhD and postdoc at Texas A&M University and earned his bachelor's degree at Tsinghua University, all focusing on clean energy.

About the Regional and Global Energy Interconnection (RGEI) Initiative

The RGEI Initiative was established at the 9th Clean Energy Ministerial meeting in Copenhagen/Malmö in May 2018. RGEI's objectives are to:

- * Discuss conducive policy and regulatory framework regarding regional and global power system integration
- * Build consensus on facilitating energy transition via increased proportion of renewable energy in energy consumption and enhanced grid interconnection
- * Encourage CEM member countries to engage in the process of RGEI and seize collaborative opportunities

CEM Members: China, Chile, Finland, Korea, South Africa, United Arab Emirates.

Operating Agent: Global Energy Interconnection Development and Cooperation Organization (GEIDCO)

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