

**Panel Iss1 : Keeping a Level Playing Field in Achieving Carbon Neutrality: A CBAM
Perspective**

Topic: Artificial Intelligence and Energy Transition: A Path to Green AI

Maciej M. Sokołowski

Abstract:

“Like the steam engine or electricity in the past, AI is transforming our world, our society and our industry” stated the European Commission in 2018. In the early 2020s, the concept of AI – artificial intelligence, together with technical advancement and the most recent AI and robotics applications, does not appear to be anything out of the usual. This is also true in the natural environment, where solutions like as drones and robots are commonly utilised. Nonetheless, when green development is meant at driving the resurgence of post-COVID-19 global economies, the issue is to build AI development on sustainable development principles that respond to climate and environmental concerns. AI, robots, the Internet of Things, Big Data, and a number of other technology advancements have the potential to accelerate clean-energy transitions, making them more sustainable, low-emission, renewable, and efficient. However, how should we put in place the proper regulatory regime to unlock AI’s potential for such a transformation? The goal of this presentation is to emphasise the most significant problems of this topic and to demonstrate the regulatory path to green, sustainable AI.