Identifying viable sources of biogenic CO2 is a critical step toward sustainable carbon capture, utilization, and storage (CCUS) solutions. CaptureMap, a powerful tool developed by Endrava, leverages public data and advanced algorithms to pinpoint high-potential biogenic CO2 emitters across the globe.

Sectors such as ethanol production, biomass power generation, waste-to-energy, cement production, pulp and paper manufacturing, and food processing are significant contributors to biogenic CO2 emissions. CaptureMap's extensive database, covering over 23,000 industrial facilities worldwide, allows users to filter and analyze emissions data and capture projects to focus on these sectors.

Biogenic CO2 data is challenging to work with. This presentation will give a deeper understanding on how we source and work with different public data sets. We'll look at how different regions in the world report biogenic CO2, ranging from quite straight forward reporting to more indirect approaches. We'll also touch upon different workarounds we employ to estimate biogenic CO2 in cases where it's not available explicitly. Finally, we'll dive into CaptureMap to look at different use cases using biogenic CO2 as a starting point for understanding both market potential and market dynamics.

CaptureMap contains nearly 375 million tons of annual biogenic CO2 emissions spread across 2190 facilities. Conference delegates should join this presentation to understand the challenges and opportunities when sourcing data about biogenic CO2 emitters, and how the data can help building better biogenic CCUS projects in the time to come.