

Bio-based Polyethylene Success Story: History, Status, and Outlook

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In 2010, Braskem took a bold step by launching large-scale production of bio-based polyethylene made from sugarcane ethanol at a time when the global plastics industry was largely focused on the shale gas boom in the United States. Since then, the journey has been marked by significant achievements, important learnings, and the continuous evolution of a pioneering technology.

With the ambition to **triple production capacity** in less than a third of the time it took to reach today's scale, this lecture will explore:

- Key successes and challenges throughout over 15 years of development and commercialization
- The role of global alliances and locally tailored solutions in driving adoption
- A forward-looking view of the innovation pipeline, and whether we can achieve the target of **1 million tons of capacity by 2030**

This session highlights not only how far our I'm green™ bio-based platform has come, but also what is required to accelerate its next phase of sustainable growth.