

 While showing lower impacts in 8 out of the 10 most affected categories compared to the reference (Fig 3), the ML process has a higher global impact

References [1] ISO 2006a. Environmental management – Life cycle assessment – Principles and framework, ISO 14040. Geneva: International Organization for Standardization [2] ISO 2006b. Environmental management – Life cycle assessment – Requirements and guidelines ISO 14044. Geneva: International Organization for Standardization [3] Ecoinvent, Ecoinvent data v3.9.1 : 2023 (http://www.ecoinvent.org)

Therefore, it is recommended to **maximize the use of biofuel** in the lime kiln.