

Leonardo Tognotti

- Position and affiliation
 - Full professor of Chemical Engineering
 - Department of Civil and Industrial Engineering
 - University of Pisa

- Title: **What role can bioenergy play in the future?**

- Brief summary

Legislation and policy trends (*Renewable Energy Directive II and III, LULUCF Regulation, EU Forest/EU Biodiversity/EU Bioeconomy Strategies; EU Taxonomy on Sustainable Finance, Governance Regulation and National Climate and Energy Plans (NCEP)*) provide the overarching criteria for identifying risk and opportunities in the development of low TRL bioenergy and advanced biofuels pathways and to identify *sustainable* biomass availability in medium and long term for their exploitation. Thus, the lecture will focus on the status of development of different thermochemical and biochemical conversion processes, with the attempt to identify the main research issues and needs.