

A Green Deal for the Planet: The Role of Frontier Science and Innovation in Delivering a Circular Economy - the Case of Food Waste

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Abstract

The European Green Deal lays the foundation for making the EU's economy sustainable by turning climate challenges into opportunities for growth and prosperity. One of its key objectives is to turn Europe into the world's first climate-neutral continent by 2050. To this end, innovation will play a central role by deploying, demonstrating and de-risking solutions while frontier and curiosity-driven science will continue to open new avenues of discovery that can further enhance climate action. This presentation will outline the opportunities offered within the European Commission's recently adopted framework program (Horizon Europe) to enable this transition, focusing in particular on actions for a circular bioeconomy. The presentation will also outline examples of research and business models currently funded by the EU in order to valorize food waste, thus contributing to a circular and resource-efficient economy.

Keywords: Green Deal, climate neutrality, circular bioeconomy