

Project #1: Thermal treatment of plastic waste

As most waste plastic materials are often too complex or contaminated to be efficiently recycled with existing technologies, they build up in landfills, soil and water environments, and food chains.

The ReCirculator Demonstration Project #1 was designed to evaluate and demonstrate the unique flexibility of thermal recycling technologies such as pyrolysis and gasification to convert these low-value waste materials into high-value, high-quality fuels, polymers, energy sources and other products. With this project, The ReCirculator is collaborating with Plastics Pirate to support their commercialisation activities in Australia and demonstrate valorisation strategies, with a view to creating a circular economy for end-of-life plastics in the Northern Rivers and beyond.

About ReCirculator

Bringing together research expertise in geochemistry, environmental science, engineering, business and education to develop solutions for our global waste problem. Our research addresses the barriers associated with integrating wastes into the circular economy, developing and implementing cutting-edge scientific, technical, social, economic and education-based solutions.

If you would like more information on collaboration or partnerships please contact:

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