

Innovation in Materials Manufacturing through Circular Economy

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In response to growing materials challenges, there is a need to address those challenges at a national level with clear goals and objectives. In 2017 the REMADE Institute was formed as a public/private partnership focused on developing transformational technologies to accelerate the transition to a Circular Economy for plastics, metals, fibers and e-waste. The institute is funded through a cooperative agreement with the Department of Energy with \$70 Million in Federal funding and \$70 Million in private funding for the first 5 years. This presentation will provide an overview of the newly established REMADE Institute and its technology strategy. REMADE seeks to enable early stage applied research and development of key industrial platform technologies that could dramatically reduce the embodied energy, emissions, and waste and increase material availability associated with industrial-scale materials production and processing. Eliminate and/or mitigate technical and economic barriers that prevent greater material recycling, recovery, remanufacturing, & reuse.