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Versalis to launch Hoop™, chemical recycling towards infinitely recyclable plastic

San Donato Milanese (MI), 17 February 2020 – Hoop™, a circle as the symbol of circularity per excellence, is the project launched by Versalis, the Eni chemical company, for the development of a new technology to chemically recycle plastic waste.

Today, Versalis signed a joint development agreement with Italian engineering company, Servizi di Ricerche e Sviluppo (S.R.S.), which owns a pyrolysis technology that will be further developed to transform mixed plastic waste, that cannot be mechanically recycled, into raw material to produce new virgin polymers.

Versalis will leverage its technological and industrial expertise to build a first plant with a capacity of 6,000 tonnes per year at the Mantova site, with a view to progressively scaling-up, starting from its sites in Italy.

«This project confirms Versalis' strategy to develop a chemical recycling technology that complements mechanical recycling technology, which the company is already engaged in, with the goal to give new life to plastic waste» said Daniele Ferrari, Versalis' CEO. «The Hoop™ project aims to create a theoretically endless plastic recycling process, producing new virgin polymers suitable for all applications and that are identical to polymers that come from fossil raw materials».

Eni Company Contacts:

Press Office: Tel. +39.0252031875 – +39.0659822030

Switchboard: +39-0659821

ufficio.stampa@eni.com

segreteria.societaria.azionisti@eni.com

Web site: www.eni.com

www.versalis.eni.com

