

## **Marinke Wijngaard, MD TNO Circular Economy & Environment**



Marinke has twenty five years of experience at the interface of innovation, sustainability and business. With passion she leads TNO's unit Circular Economy & Environment, aiming to accelerate the transition to a sustainable circular world. Currently Marinke is closely involved in creating partnerships in circular innovation initiatives around plastic value chains in which she focuses on three main topics: design of circular plastics, chemical recycling technologies of plastics and analytical characterization.

Her experience covers jobs in R&D management, leading the DSM Analytic Centre for Materials, like engineering thermoplastics, resins, high performance fibers and coatings and leading the DSM Biotechnology Centre for applications in food and nutrition, feed, fuel, pharma and bio-based materials. Additionally her experience covers jobs in Innovation management, Safety, Health & Environment and business transformations with organisations like ICI and PA Consulting.

She holds a degree in chemical engineering from the Technical University of Eindhoven (NL), combined with education in business management.

## **TNO, Dutch organisation for applied scientific research**

TNO is an independent applied research organization. We connect people and knowledge to create innovations that boost the sustainable competitive strength of industry and well-being of society. We focus on transitions in nine social themes. One of these is Circular Economy and Environment. Main objectives of this unit are optimizing value chains; improving materials footprint, reducing greenhouse emissions and environmental footprint and optimizing the socio-economic impact. For the circular plastic economy TNO focuses on investigating issues such as extending the life span of circular plastics, designing plastics to fit better into a circular economy (value chain design) and developing circular plastics, through chemical recycling technology, among other ways. In the long term, this could reduce the use of new raw materials for plastic production by 3 million barrels of oil per year. TNO's focus is mainly on the building & infrastructure sectors and the plastics (related) industry.