

Board of the Heads of the PhD Courses of the Polytechnic and Science School, University of Napoli Federico II

Napoli, venerdì 29 gennaio

Sala Azzurra

Complesso Universitario di Monte S. Angelo

ore 15.00-18.00

BIOECONOMY in the CIRCULAR ECONOMY

According to a definition provided by the European Commission, the bioeconomy encompasses the production of renewable biological resources and their conversion into food, feed, bio-based products and bioenergy. It thus includes agriculture, forestry, fisheries, food and pulp and paper production, as well as parts of chemical, biotechnological and energy industries. Bioeconomy sectors have a strong innovation potential, using a wide range of sciences (life sciences, agronomy, ecology, food science and social sciences), enabling and industrial technologies (biotechnology, nanotechnology, information and communication technologies (ICT), and engineering), and local and tacit knowledge.

The **Ellen MacArthur Foundation** defines the circular economy as a resource-efficient system that is "life-imitating" - inputs and outputs are used in a circular way so that outputs ultimately become inputs again. A "perfect" circular economy relies on a number of principles, according to the foundation: that "waste is food", meaning that it is always recycled or reused; that energy must come from renewable sources; that "prices must tell the truth" and reflect real costs, including environmental costs; and that systems thinking must prevail, so that resources, including waste, are used at the most appropriate point of the system.

Introduction:

Gaetano Manfredi Rector of the University of Naples Federico II

Piero Salatino President of the Polytechnic and Science School, University of Napoli Federico II

Giovanni Sannia Head of the PhD School in Biotechnology, University of Napoli Federico II

Presentations:

Mario Bonaccorso

Finance and Economic Journalist, **ASSOBIOTEC** - INDUSTRIAL BIOTECHNOLOGY Working Group

Giulia Gregori

Strategic Planning and Corporate Communication Manager, **Novamont** Spa

Gianluca Carenzo

General Director of **Parco Tecnologico Padano di Lodi** and President of the National Association of **Parchi scientifici e tecnologici italiani (Apsti)**

Danilo Porro

Professor of Chemistry and Biotechnology of Fermentation and Pro-Rector for the Exploitation of Research, **University of Milano Bicocca**

Massimiano Tellini

Head of Circular Economy, **Intesa Sanpaolo** - Torino, Italia

Roberto Vona

Professor of Economics and Business Management, **University of Napoli Federico II**