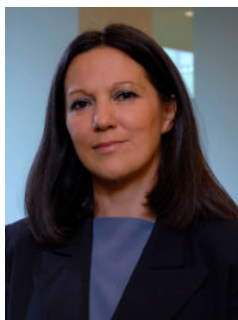






PERSONAL INFORMATION **Catia Bastioli**



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 catia.bastioli@novamont.com

Sex Female | Date of birth 03/10/1957 | Nationality Italian

Catia Bastioli is chemist, a researcher and an entrepreneur.

SHORT DESCRIPTION

She has been developing and field-studying the model of biorefineries integrated in the local areas, where the primary objective is an efficient use of resources and priority is given to high value-added products (biochemicals), short value-chains and a system-based economy. This represents a cultural (before than economical) development model, based on territorial regeneration that starts from decommissioned chemical sites and uses local biodiversity and scraps in order to give origin to renewable raw materials, capitalizing research and innovation and involving different stakeholders (institutions, research bodies, actors of the agricultural and industrial world).

She has been a member of important EU working groups on climate change, environment and renewable raw materials. Prime inventor of around 80 patent families in the sector of synthetic and natural polymers and transformation processes of renewable raw materials, Catia Bastioli was awarded “European Inventor of the Year 2007” by the European Patent Office and the European Commission for her inventions related to starch-based bioplastics between 1991 and 2001.

WORK EXPERIENCE

from 2005 - to present

CEO of Novamont S.p.A.

Via G. Fauser, 8 – 28100 Novara, Italy – www.novamont.com

Main activities and responsibilities:

- Transformation of a research centre into a reference company in the field of bioplastics and products from renewable sources, thus working for the acceleration of research-transformation processes into a new industrial reality;
- Management of the development of innovative technologies for the bioplastics integrated value-chain; application of these technologies at an industrial level in decommissioned sites, with a logic of downstream integration along the value chain;
- Development and field-study of the model of third-generation biorefineries, giving priority to an efficient use of resources and high value-added products, short supply-chains and a system-based economy;
- Development and promotion of a Bioeconomy model that starts from territorial regeneration, beginning from decommissioned chemical sites, in strong collaboration with the agricultural sector (using local biodiversity, low-impact crops and scraps) in order to give origin to renewable raw materials), capitalizing research and innovation and involving different stakeholders (institutions, research bodies, actors of the agricultural and industrial world);
- Creation and consolidation of a management with a system-based vision; consolidation of the IP department;

-Creation and consolidation of strategic partnerships in the field of Bioeconomy with different stakeholders (es. from the world of waste, biochemicals and bioplastics) to strengthen and spread local case studies and demonstrators, with a strong focus on legality and innovation, on standardization and on innovative procurement;
-Funding of innovation activities with internal and external resources, from funding available at national and EU level
-Dissemination, both at a scientific and business level, of the themes of Bioeconomy and Circular Economy and Innovation, at national and international level, both as key note speaker in conferences and events with private and public stakeholders, and through contributions in books and magazines

Business or sector Bioplastics and products from renewable sources

from 2014- to present

Chairwoman of Terna S.p.A

Viale Egidio Galbani, 70 - 00156 Rome, Italy - www.terna.it

Main activities and responsibilities:

Chairwoman of the Board, with specific responsibility to auditing, sustainability and CSR, and to the connections among sustainable innovation, energy system and resource efficiency

Business or sector Independent grid operator for electricity transmission (National Transmission Grid with over 72,000 km of HV lines)

from 2014 – to present

Chairwoman of Mater-Biopolymer S.p.A. - Patrica (Fr) – Italy

Main activities and responsibilities:

-Transformation of a closed plant for the production of PET into the first plant with continuous technology lines for the production of biopolyesters (**Origo-Bi®**)

-Management and supervision on the business and R&D activities of the company: energy efficiency; expansion of production capacity and of the range of products for Novamont bioplastics portfolio

Business or sector Production of polyesters from renewable sources

from 2012 – to present

CEO of Mater-Biotech S.p.A. - Via A. Gramsci, 3, 45011 Bottrighe, Adria - Italy

Main activities and responsibilities:

-Realization of the first industrial plant in the world for the production of bio-Butanediol (BDO) from renewable resources through fermentation processes, in strong partnership with the company Genomatica;

-Building of a multidisciplinary team in the field of biotechnologies and engineering, for bio-BDO tool manufacturing and for the sale of chemical intermediates to Novamont;

-Management and supervision on the business and R&D activities of the company

Business or sector R&D of processes for the transformation of raw materials from renewable sources and for the production and marketing of chemical intermediates (bio-Butanediol - BDO)

from 2011- to present

CEO of Matrìca S.p.A. - Zona Industriale La Marinella - 07046 Porto Torres (SS), Italy

www.matrica.it

Main activities and responsibilities:

-Creation of a JV with the company Versalis for the reconversion of a decommissioned chemical site into a biorefinery integrated in the local area for the production of innovative bio intermediates from renewable sources

-Creation of the first industrial plant in the world for ozone-free oxidative scission reaction of vegetable oil, with a safe process with low environmental impact and starting from Novamont proprietary technology

-Management and supervision on business and R&D activities of the company

-Management of the relations with different local and national stakeholders

Business or sector production of bioproducts: bioplastics, biolubricants, personal care products, plant protection products, additives for detergents and for the rubber and plastics industry

from 1996- to 2005

Director General of Novamont S.p.A

Via G. Fauser, 8 – 28100 Novara, Italy – www.novamont.com

Main activities and responsibilities:

Management of the industrialization of the innovative technologies for bioplastics
Supervision on the business activities of the company

Business or sector Bioplastics and products from renewable sources

1991- 1993/
1993 - 1996

Director and Technical Director of Novamont S.p.A.

Via G. Fauser, 8 – 28100 Novara, Italy – www.novamont.com

Main activities and responsibilities:

Management of the industrialization of the innovative technologies for bioplastics

Business or sector Bioplastics and products from renewable sources

1985 – 1988 /
1988 – 1991

Guido Donegani Institute and Fertec Research Institute

Via G. Fauser, 8 – 28100 Novara, Italy

Main activities and responsibilities:

Research in the field of chemistry, materials science, environmental sustainability and renewable raw materials

Business or sector Research and development centre for innovation technologies in the chemistry field

EDUCATION AND TRAINING

2008

Honoris Causa Degree in Industrial Chemistry

Faculty of Mathematics and Natural and Physical Sciences of the University of Genoa – Italy

1985

School of Business Administration “Alti Potenziali Montedison”

Bocconi University, Milan – Italy

Obtained: 1981

Degree in Pure Chemistry

University of Perugia – Italy

Principal subjects covered. Inorganic chemistry, Physical chemistry, Organic chemistry, Mathematics for chemistry, Theoretical chemistry, Biological chemistry, Molecular spectroscopy, Synthetic chemistry

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Memberships
(a selection)

Former member of important **EU working groups**, such the *ECCP-European Climate Change Program*, the *Committee for Renewable Raw Materials* of the Directorate General Industry and the *Environment Advisory Group* of the Directorate General Research&Innovation of the European Commission. From February 2013 to September 2015, member of the **European Union Bioeconomy Panel**.

Former member of the strategic advisory commission for the **Italian National Research Council** of the Minister of Education, University and Research (www.cnr.it)

BIC – Biobased Industries Consortium (<http://biconsortium.eu>) : Catia Bastioli took part in its foundation from its outset in February 2012

Member (as CEO Novamont) of the **Renewable Raw Materials Group** within **ERRMA – European Renewable resources and Materials Association** (www.ermma.com), established to provide the expertise of EU industry on a range of issues arising from the wider use of renewable raw materials. Member of **Federchimica** (www.federchimica.it) Board of Directors and Executive Committee, as well as of the Executive committee of **PlasticsEurope** (www.plasticseurope.it).

Since 2009: President of the **Kyoto Club Association** (www.kyotoclub.org), non-profit organisation founded in February 1999. Its members are business companies, associations and local municipalities and governments engaged in reaching the greenhouse gas reduction targets set by the Kyoto Protocol and the EU ones for 2030.

Since 2013: member of the Board of Directors of **Fondazione Cariplo** (www.fondazionecariplo.it), one of the world's main philanthropic organizations, helping the social, cultural, and economic development of the communities. Also a member of the Investment Committee **Fund Atlante Ventures** of Intesa San Paolo Bank Institute, dedicated to Venture Capital.

Since 2014:

- Full member of the International NGO **The Club of Rome** (www.clubofrome.org), global think tank that deals with a variety of international political issues, gathering independent leading personalities from politics, business and science, who are long-term thinkers interested in contributing in a systemic interdisciplinary and holistic manner to a better world.
- President of the **Italian Technological Cluster of Green Chemistry SPRING - Sustainable Processes and Resources from Innovation and National Growth** (www.clusterspring.it).
The Cluster involves more than 100 members (large industry players, SMEs, public and private research organizations, subjects active in the field of technology transfer and environmental communication – regional innovation clusters, technology parks, consortia, trade and local associations, development agencies, foundations) representing the entire Italian value chain of chemistry from renewable sources and operating in different ways in the field of bioeconomy,. The Cluster has established relevant connections with different stakeholders, at a national and international level (regional and national institutions, associations, other EU cluster operating in the same field) . SPRING is an associate member of BIC. Biobased Industries Consortium, as well as an observer within the EC Expert group on Biobased Products.
- member of the Promoters Committee of **Fondazione Symbola per le Qualità italiane** (www.symbola.net), founded in 2005 with the aim of promoting a new development model based on soft economy, able to combine competitiveness and development of human capital, economic growth and respect for the environment and human rights, productivity and social cohesion.
- member of the Presidential Committee of the Sustainable Development Foundation - **Fondazione per lo Sviluppo Sostenibile** (<http://www.fondazionevilupposostenibile.org/>), founded in 2008 by will of companies, business associations and sustainability experts, as a not for profit think-tank based in Rome aimed at encouraging the transition towards a green economy.
- member of the Evaluation Committee of the **Raul Gardini Foundation**, established by the Gardini family supports the scientific research in the fields of agro-industry, chemistry and of the environment

Honours and awards (a selection)

- 2015: **Giulio Natta Award for Chemistry** (www.premiinnattacopemico.it), for her contribution in spreading and consolidating the positive image of chemistry as fundamental science for the environmental impact decrease of technology and industrial activities.

-2015: **Cleantech Pioneer Award** awarded during the 11th Cleantech Forum Europe (April 2015, Florence - Italy). The award is granted "to individuals and organizations who have made impressive contributions over many years to the path forward of clean technology and sustainability – and who have shown outstanding and exemplary leadership in doing so" (www.cleantech.com/)

2013: Honorary title of knighthood ("**Cavaliere dell'Ordine Al Merito della Repubblica Italiana**") by the President of the Italian Republic Giorgio Napolitano.

2007: "**European Inventor of the Year 2007**", awarded by the European Patent Office and the European Commission for the inventions related to starch-based bioplastics between 1991 and 2001 (rif. video "Bioplastics pioneered in Europe" by EPO films <https://www.youtube.com/watch?v=RBZSNTKe5AE>)

Conferences (a selection)

Mrs Bastioli has been participating as a keynote speaker in numerous conferences and events at a national and international level, disseminating the themes of Bioeconomy and Circular Economy to public and private stakeholders. Here is a selection:

- November 2015 – Bioeconomy Investment Summit - Unlocking EU leadership in 21st Century Bioeconomy / Brussels, Belgium (speaker)
- November 2015 and prev. editions – Stati Generali della Green Economy / Ecomondo, the Green Technologies Expo, Rimini, Italy (speaker)
- October 2015 - The Bioeconomy: Regional best practices and smart specialization / Committee of the Regions, Bruxelles (speaker)
- September 2015 – Il Potere del Limite: la sfida ambientale come motore di innovazione sociale (The Power of Limit: the environmental challenge as an engine for social innovation) / Milan, Italy (speaker)
- June 2015 - Stati Generali sui cambiamenti climatici e sulla difesa del territorio / Rome, Italian Parliament (speaker)
- May 2015 –EIP Agri Workshop "Building New Biomass Supply Chains for the Bio-Based Economy" / Porto Conte, Italy (speaker)
- October 2014 - 3rd Bioeconomy Stakeholders' Conference / Turin, Italy (speaker)
- February 2013 – 2nd Bioeconomy Stakeholders' Conference / Dublin, Ireland (speaker)
- February 2012 – 1st Bioeconomy Stakeholders' Conference / Copenhagen, Denmark (speaker)

Publications (a selection)

-Author of many scientific and academic articles and contributions to international books and magazines about chemistry from renewable sources, bioplastics and biorefineries

-Editor of the two editions of the **Handbook of Biodegradable Polymers** published by Smithers Rapra (<http://www.bioeconomythinking.com>) (2011 and 2015)

The volume reviews the most important achievements and the programmes and approaches of institutions, the private sector and universities in the development of biodegradable polymers, and explores their potential in depth. It contains contributions from international and influential specialists and researchers of biodegradable polymers and bioplastics.

-Preface to the two Italian editions of the volume **Blue Economy** by Gunter Pauli (published by Edizioni Ambiente, 2010 and 2015) (<http://www.edizioniambiente.it/libri/513/blue-economy/>; <http://www.edizioniambiente.it/libri/1091/blue-economy-2-0/>)

-Introduction to the volume **Bioplastics: a case study of Bioeconomy in Italy** (published by Edizioni Ambiente and promoted by Kyoto Club, 2013) (http://freebook.edizioniambiente.it/libro/77/pd_modello)

-Lectio Magistralis on occasion of the Honoris Causa Degree in Industrial Chemistry - University of Genoa, Italy **Renewable raw materials and the transition from a product-based economy to a system-based economy** – (2008)

Patents

Inventor of around 80 patent families in the sector of synthetic and natural polymers and transformation processes of renewable raw materials.