



BioEconomy:
biological sources for a sustainable world



Speakers

- Laura De Gara
- Fabio Fava
- Mauro Majone
- G. Scarascia Mugnozza

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9.30 Registration

10.00 – 10.20 Opening Ceremony

- **Michele Muccini.** President Area della Ricerca Roma 1, CNR
- **Francesco Loreto.** Director CNR-DiSBA
- **Massimo Inguscio.** President Consiglio Nazionale delle Ricerche
- **Massimiliano Smeriglio.** Vicepresident Regione Lazio

Chair: **Francesco Loreto**

10.20 Laura De Gara. Università Campus Bio-medico, Roma. *Bio-economy - a challenge of knowledge integration*

10.45 Fabio Fava. Alma Mater Studiorum Università di Bologna. *Bioeconomy in Europe and in Italy: the Italian Bioeconomy strategy and the opportunities offered by the EU Commission for sustaining it*

11.10 Francesco Cellini. Cluster Lucano di Bioeconomia.

Bioeconomy and the food system. Chair: **Antonio Raschi**

11.35 Francesco Gai. CNR-ISPA. *The Circular Economy applied by insects: the Black Soldier Fly Experience*

11.45 Antonello Franca. CNR-ISPAAM. *The contribution of agro-silvopastoral systems for bioeconomy in Italy*

11.55 Rosaria Ciriminna. CNR-ISMN. *A circular economy approach to omega-3 extraction*

12.05 Stefano Predieri. CNR-IBIMET. *Edible jellyfish: introducing to a new sustainable food system*

12.15 Francesco Meneguzzo. CNR-IBIMET. *Controlled hydrodynamic cavitation as a tool to enhance the properties of biological sources*

12.25 Discussion

12.40 Lunch

Chair: **Mauro Centritto**

14.00 Giuseppe Scarascia Mugnozza. Università della Toscana. *Forest and wood bioeconomy*

14.25 Mauro Majone. Sapienza Università di Roma. *An Urban Biorefinery to convert organic waste into bio-based plastics: the H2020 RES URBIS project*

Bioeconomy and agriculture Chair: **Luisa Mannina**

14.50 Salvatore Antonino Raccuia. CNR-ISAFOM. *Cultivation of Cardoon, biomass species for green chemistry, with a circular economy approach*

15.00 Giuseppe Sorrentino. CNR-ISAFOM. *The CNR and Hemp chain: a new opportunity for Agriculture in Southern Italy*

15.10 Lorenzo Genesio. CNR-IBIMET. *Multifunctional agriculture for bioeconomy: chlorophyll-deficient crops for climate change mitigation*

15.20 Francesco Vaccari. CNR-IBIMET. *Biochar for bioeconomy*

15.30 Discussion

15.45 Coffee break

Bioeconomy and the microorganisms. Chair: **Alberto Battistelli**

15.55 Marina Tucci. CNR-IBBR. *Lignocellulosic species for cultivation in degraded soils: sustainable biomass for biorefineries*

16.05 Mauro di Fenza. CNR-IBBR. *IBISBA 1.0: a Pan-European research infrastructure promoting Industrial Biotechnology as a mature manufacturing technology to support the growth of the circular bioeconomy*

16.15 Giuseppe Torzillo. CNR-IVALSA. *Biohydrogen and bioproducts from microalgae*

16.25 Eleftherios Touloupakis. CNR-IRET. *Photosynthetic microorganisms as a source of biohydrogen and bioplastics*

16.35 Camilla M. Braguglia. CNR-IRSA. *Anaerobic digestion as attractive multistep biorefinery: research and application with your biowaste*

16.45 Discussion

Bioeconomy and the environment Chair: **Giorgio Matteucci**

17.00 Pierpaolo Duce. CNR-IBIMET. *Towards sustainable livestock systems: reducing GHG emissions and improving production efficiency*

17.10 Paolo Menesatti. CREA. *Biosystems engineering: energy efficiency and environmental sustainability in agriculture*

17.20 Massimo Zacchini. CNR-IRET. *Phytomanagement of contaminated agricultural areas: coupling the soil restoration to the recovery of exploitable resources*

17.30 Martino Negri. CNR-IVALSA. *Wood -based circular economy: timber, composites, fibers and energy*

17.40 Discussion