



Organized by
Department Environmental Science and Policy
Department of Food, Environmental and Nutritional Sciences



UNIVERSITÀ
DEGLI STUDI
DI MILANO



Politecnico
di Torino



EBI
European
Biochar
Industry



International
Biochar
Initiative



Science-to-policy workshop

BIOCHAR: SPEEDING UP NATURE'S WAY OF REMOVING ATMOSPHERIC CARBON

MILANO - JULY 2, 2024 – University of Milan

In presence: VIA FESTA DEL PERDONO, 7 ROOM 104, [Register here](#)

On line participation: [Register here](#)



9.15-9.45 – INTRODUCTION AND SALUTATIONS

Stefano Bocchi (Unimi-ESP) - Delegate for sustainability – Salutations
Lucia Cavalca (Unimi-DeFENS) - The e-Biochar project – introduction to the workshop

9.45-10.45 – THE STATE OF THE ART OF BIOCHAR INDUSTRIES AND THE UPCOMING POLICY FRAMEWORK ON CARBON REMOVAL

Harald Bier (EBI) - Biochar carbon removal in the EU - Status and perspective in the context of the Carbon removal certification framework
Lucia Brusegan (IBI) - International picture of biochar production and uses
David Chiaramonti (PoliTo - IT) - Biochar value chains: integrated production, use and regulation

10.45-11.45 – PERMANENT CARBON REMOVAL, THE NATURE'S WAY, WITH CO-BENEFITS

Hamed Sanei (Arhus Uni, DK) - Biochar: organic carbon permanence over geological scales
Andrea Schievano (JRC-EU Commission) - Agroforestry and woody features to biochar: synergies between carbon removal and diversification in agro-ecosystems
Marco Buffi (JRC-EU Commission) - Energy and GHG emissions assessment for biochar within bioenergy and biofuels production
Francesco Vaccari (CNR, iCHAR, IT) - Return to agricultural soils. Quality for soil amendment.

11.45-12.00 – COFFEE BREAK

12.00-13.30 – EMERGING PROPERTIES AND PERSPECTIVES FOR BIOCHAR USES

Abraham Esteve Nunez (Uni-Alcalá, SP) - Biochar's emerging properties: bioelectrochemistry.
Sarah Zecchin (Uni-Milan, IT) - The e-Biochar project – innovative applications of biochar within a circular bioeconomy
Antonino Idà (Algaría, IT) - A circular approach to microalgae cultivation, using electro-active biochar
Riccardo Capolla (STAM, IT) - Horizon project TEAPOTS - Energy recovery from farm-scale pyrolysis units
Ondrej Masek (University of Edinburgh, UK) - Horizon project C-SINK, synergies among biochar and other CDR technologies

13.30-15.00 – LUNCH & NETWORKING

AFTERNOON: ROUNDTABLE WITH RESEARCH & INNOVATION STAKEHOLDERS

Conclusive event of the research project:



SCALABLE BIOELECTRODES TO "POWER" CIRCULAR NUTRIENTS RECOVERY AND SOIL CARBON SINKS

Know more: <https://ebiochar.unimi.it/>

Partners



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