

# BIOCHAR

## EXPO

Sustainable solution  
for agriculture and environment

24 June 2015 | Padiglione Italia, MILAN

25 - 27 June 2015 | Faculty of Agriculture of Milan

Biochar EXPO is an event on *Biochar*, the carbonaceous residue of biomass thermochemical transformation. The city of Milan will provide an opportunity to know more about this interesting product and will set the scene for promoting biochar use as sustainable solution for agriculture and the environment. The event is organized by the Institute of Biometeorology of the National Research Council (CNR) and the Italian Biochar Association (ICHAR), in cooperation with the Eu-Cost Action TD1107 and with "Biochar Plus" a project co-financed by the European Union within the "ACP-EU Cooperation Programme in Science and Technology II (FED/2013/330-236)".

Biochar specialists will illustrate to a wide audience and to the visitors of EXPO how biochar is created and its fascinating history. Facts and opportunities for its use in agriculture and for climate change mitigation will be discussed. The event will start on 24<sup>th</sup> June at the auditorium of Padiglione Italia at EXPO Milano and will continue at the Faculty of Agriculture of the University of Milan (city center, Città Studi). During three consecutive days, lectures from scientists, workshops, seminars about the use of biochar in agriculture and other uses, and a pyrolytic stove contest will animate the exhibition organized in the magnificent garden of the Faculty of Agriculture of the University of Milan.



**UNIVERSITÀ  
DEGLI STUDI  
DI UDINE**

## Wednesday, June 24th

Venue: Padiglione Italia, EXPO 2015, Via Filzi 22, Milan

**14:00 - 17:00**

**Biochar: a sustainable solution for agriculture and the environment**

14:00 "Reinventing Fire", the official trailer of the documentary directed by A. Populin, and V. Del Borgo

14:15 Welcome and Introduction (F. Miglietta - *CNR, Florence* & A. Peressotti *University of Udine*)

14:30 Biochar (J. Lehmann - *Cornell University, USA*)

15:15 Music break (*L. Vescovo* and *C. Grimaz*)

16:00 #ask Biochar\_Expo

A Round-table about biochar for the future of agriculture in developed and developing countries (A. Pozzi (ICHAR), A. Benedetti (MIPAAF), L. Bernardelli (CSQA - Certificazioni srl), B. Crespi (Pro Natura International), and E. Roitz (Roitz S.r.l.)

---

## Thursday, June 25th

Venue: Garden of the Faculty of Agriculture, Via Celoria 2, University of Milan

**08:30 - 18:00 (Department Via Mangiagalli 25, Room C05)**

**Focus group meeting: "Priorities and implementation strategies of the biochar system: cooperation projects in tropical and sub-tropical Countries"**

**Meeting co-hosted by *Biochar<sup>Plus</sup>* and *COST Action TD1107***

The meeting is open only to pre-registered participants

For information please contact: Dr. Costanza Zavalloni - [costanza.zavalloni@uniud.it](mailto:costanza.zavalloni@uniud.it)

**13:00 – 14:00 (Department Via Mangiagalli 25)**

**Poster session on European projects implementing the biochar system in tropical and sub-tropical Countries**

**Session co-hosted by *Biochar<sup>Plus</sup>* and *COST Action TD1107***

*Open to the general public*

For information please contact: Dr. Costanza Zavalloni - [costanza.zavalloni@uniud.it](mailto:costanza.zavalloni@uniud.it)

**14:00 - 17:00 (Department Via Mangiagalli 25, Room C03 – Aula Magna)**

**PhD Seminar**

*Event open to PhD Student and student organized by DISAA UNIMI and CNR Ibimet*  
For information: Prof. Marco Acutis - [marco.acutis@unimi.it](mailto:marco.acutis@unimi.it)

**09:00 - 18:00 (Garden)**

**Full day general exhibition on the use and benefits of biochar**

09:00 Welcome, Setting up the venue, preparation, meeting the people

14:00 Event "The BNEUTRAL standard of BIOS srl: from certification to market", presented by BIOS srl

16:00 "Reinventing Fire", projection of the documentary produced and directed by A. Populin, V. Del Borgo



---

## Friday, June 26th

**Venue: Garden of the Faculty of Agriculture, Via Celoria 2, University of Milan**

**08:30 - 12:30 (Department Via Mangiagalli 25, Room C05)**

**Focus group meeting: "Online survey of European projects on biochar: summary and identification of research gaps"**

***Organized by COST Action TD1107***

The meeting is open only to pre-registered participants

For information please contact: Dr. Costanza Zavalloni - [costanza.zavalloni@uniud.it](mailto:costanza.zavalloni@uniud.it)

**10:00 - 13:00 (Department Via Mangiagalli 25, Room C03 – Aula Magna)**

**PhD Seminar**

*Event open to PhD Student and student organized by DISAA UNIMI and CNR Ibimet*  
For information: Prof. Marco Acutis - [marco.acutis@unimi.it](mailto:marco.acutis@unimi.it)

**9:00 - 18:30 (Garden)**

**Stove Contest**

Event dedicated to pyrolysis and biochar producers, experts, and the general public who may be interested in learning about pyrolytic stoves. A stove camp will be organized in the morning, and a challenge is planned for the afternoon!

09:00 Exhibition to the public. Registration and distribution of material for the challenge in the afternoon

11:00 Workshop on Pyrolytic Stoves, promoted by Blucomb

14:00 Analysis of the technical specifications/projects by the scientific commission

16:00 Pyrolysis challenge. Parameters to be evaluated could be efficiency, performance of the pyrolysis, temperature and design creativity

**13:30 - 16:30 (Department Via Mangiagalli 25, Room C05)**

**Focus group meeting: "Discussion of possible networking strategies for the implementation of biochar system in Africa"**

**Meeting organized by Biochar<sup>Plus</sup>**

The meeting is open only to pre-registered participants

For information please contact: Dr. Costanza Zavalloni - [costanza.zavalloni@uniud.it](mailto:costanza.zavalloni@uniud.it)

**14:00 – 16:00 (Garden)**

**Seminar EU REFERTIL PROJECT/Agrinnova: "Biochar: outcomes from the EU REFERTIL project"**

The meeting is open to the public

For information please contact: Dr. Massimo Pugliese – [massimo.pugliese@unito.it](mailto:massimo.pugliese@unito.it)

---

## Saturday, June 27th

**Venue: Garden of the Faculty of Agriculture, Via Celoria 2, University of Milan**

**9:30 - 12:00 (Garden)**




**Stove Contest awards**

9:30 Presentation of charcoal and food; buffet organized by Molini Spigadoro

11:30 Stove contest winner presentation

12:00 Greeting end event

**EXHIBITOR LIST**  
**BIOCHAR\_EXPO 25/27 June 2015.**  
**Gardens of University of Milan**

AZIENDA/ COMPANY NAME	NAZIONE/ COUNTRY	CONTACT
 <b>AGRICULTURE</b>		
AGRINDUSTRIA S.R.L	ITALY	GIUSEPPE TECCO
AGROINNOVA - UNIVERSITY OF TORINO	ITALY	massimo.pugliese@unito.it
BIOS	ITALY	VITTORINO CRIVELLO
KINA S.R.L.		GIAN LUCA SPRIANO
CSQA CERTIFICAZIONI S.R.L.	ITALY	ANNARITA BARTOLI
TERRAGRICOLA S.R.L.	ITALY	info@terragricola.com
MARTIN LUTHER UNIVERSITY HALLE-WITTENBERG	GERMANY	bruno.glaser@landw.uni-halle.de
 <b>ENERGY</b>		
ALL POWER LABS	USA	SILVIA SANDRI
BIOFIRE SIA	LATVIA	EDITE LEONOVICA
BLUCOMB S.R.L	ITALY	DAVIDE CAREGNATO
GAMATEC SA	SWITZERLAND	FRANCESCO BERTI
CITY OF STOCKHOLM	SWEDEN	MATTIAS GUSTAFSSON
ENERGY & SYNERGY	ITALY	MARCO MARTINELLI
RE-CORD / BIOENTECH	ITALY	RENATO NISTRI
 <b>OTHER</b>		
FUOCO PERFETTO	ITALY	PAOLA ROSA'
ICHAR	ITALY	SILVIA BARONTI
JAPAN CHARCOAL PROMOTION SOCIETY	JAPAN	MUNEHICO IWAYA
MOLINI SPIGADORO SPA	ITALY	ANNALISA TARDIOLI
STARTER Srl	ITALY	LUCIA BRUSEGAN
CENTRO SVILUPPO MATERIALI S.P.A	ITALY	FILIPPO CIRILLI

**STOVE CONTEST**  
**26-27 Giugno 2015**  
**Garden of the Faculty of Agriculture, University of Milan**

NAME	STOVE NAME	CONTACT
TONINO TONIALE		<a href="mailto:toninotonial@gmail.com">toninotonial@gmail.com</a>
ENKI STOVE LTD	EnKiStove® EnKiStove® Uno Wlid	<a href="mailto:info@enkistove.com">info@enkistove.com</a>
PAOLO PIZZORNIE_ MAURO CALANDRIELLO	TLUD PiriPiri	<a href="mailto:p.pizzorni@gmail.com">p.pizzorni@gmail.com</a>
GIORGIO GRASSILLI		<a href="mailto:giorgiograssilli@gmail.com">giorgiograssilli@gmail.com</a>
GREEN LDA MOÇAMBIQUE	TIO MARIO	<a href="mailto:msanti1@alice.it">msanti1@alice.it</a>
SALVATORE MARASÀ		<a href="mailto:marasa@marasa.it">marasa@marasa.it</a>
CETAMB LAB	My little cookstove	<a href="mailto:cetamb@unibs.it">cetamb@unibs.it</a>
GIOVANNI LAMANNA	Victorinox	<a href="mailto:giovannilucalamanna@gmail.com">giovannilucalamanna@gmail.com</a>

## Faculty of Agriculture, University of Milan (25<sup>th</sup>-27<sup>th</sup> June)

### 25<sup>th</sup> June

TIMETABLE										EVENT
8	9	10	11	12	13	14	15	16	17	
										Meeting Biochar <sup>plus</sup> and COST Action (Room C05)
										Poster session (Departement via Mangiagalli)
										Event "The BNEUTRAL standard" by BIOS srl. (Gardens)
										Documentary "Reinventing Fire" by Populin and Del Borgo (Gardens)
										PhD Seminar (Room C03 - Aula Magna)

### 26<sup>th</sup> June

TIMETABLE										EVENT	
8	9	10	11	12	13	14	15	16	17		
											Meeting COST Action (Room C05)
	Exhibition		Workshop			Analysis of stoves' technical qualities		Contest			Stove Contest (Gardens)
											PhD Seminar (Room C03 - Aula Magna)
										Meeting Biochar <sup>plus</sup> (Room C05)	
											Seminar EU REFERTIL project/Agrinnova (Gardens)

# 27<sup>th</sup> June

TIMETABLE										EVENT
8	9	10	11	12	13	14	15	16	17	
										Charcoal and food by Moloni Spiga d'Oro (Gardens)
										Stove contest winner presentation (Gardens)



## SEMINARS PROGRAMME 25-26 JUNE 2015, FACULTY OF AGRICULTURE, UNIVERSITY OF MILAN

### Thursday, June 25th 14:00 – 16:40

14.00-14.30 **Prof. Giorgio Alberti – University of Udine:** Climate change mitigation strategies: is biochar a suitable option?

14.40-15.10 **Prof. Bruno Glaser – University of Halle – Wittenberg:** Potential and constraints of biochar use in agriculture

15.20-15.50 **Dr. Francesco Vaccari – CNR Ibimet:** Transient biochar effect: results from a field experiment

16.00-16.30 **Prof. Marco Acutis – University of Milan:** Conservation agriculture: productivity and carbon storage in soil

### Friday, June 26th 10:00 – 13:20

10.00-10.30 **Dr. Massimo Valagussa – MacLab:** Characterization and bioassay of biochar produced from different feedstock – experimental use in soilless

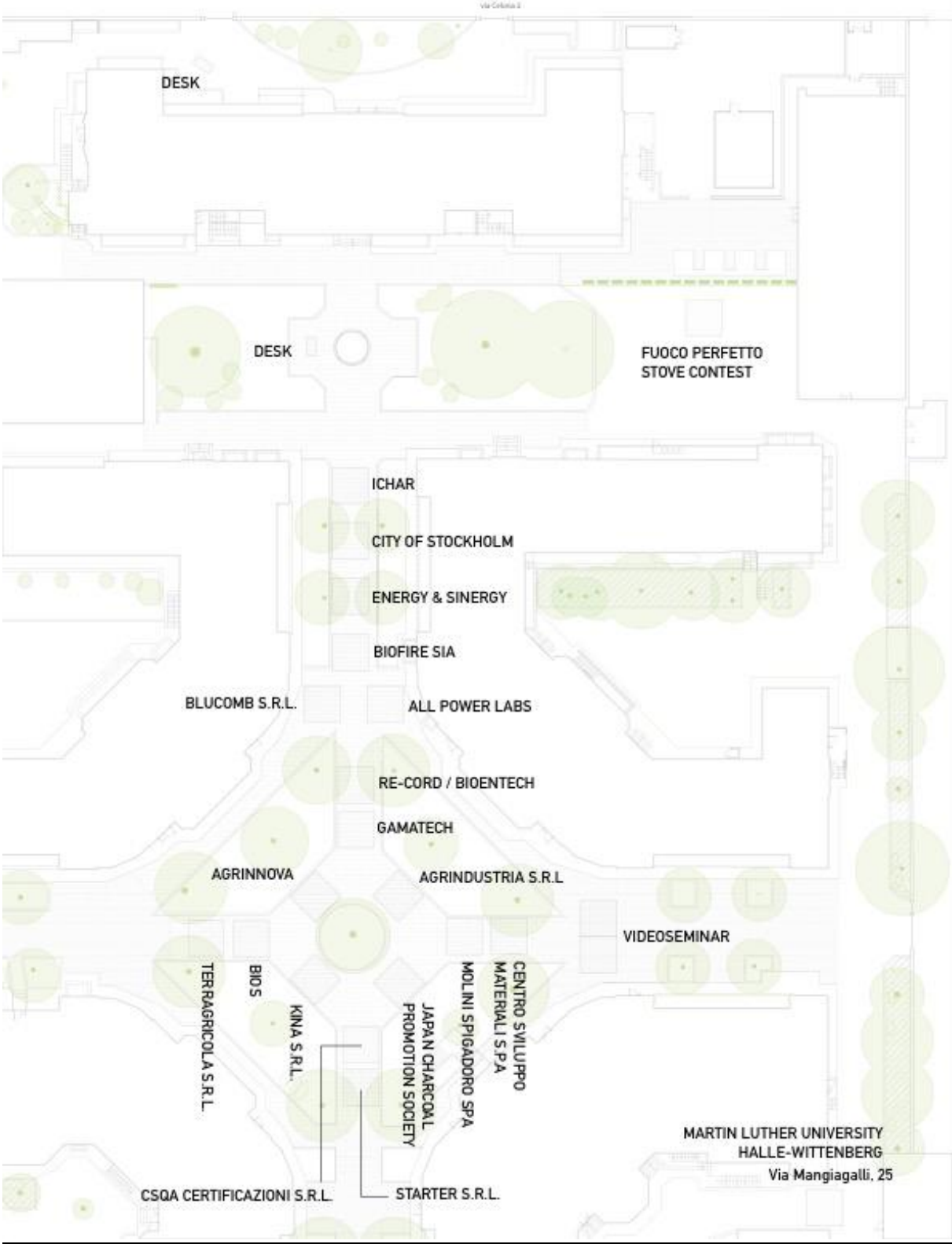
10.40-11.10 **Dr. Emanuela Pusceddu – Cnr Ibimet :** Radiation-matter interaction: advance techniques to investigate condensed matter

11.20-11.50 **Prof. Roberto Confalonieri – University of Milan:** Smartapp to support sustainable agriculture

12.00-12.30 **Prof. Patrizia Zaccheo – University of Milan:** Biochar affects pH and pore water composition in peat based growing media

12.40-13.10 **Dr. Mattias Gustafsson – City of Stockholm:** Can stockholmers save the world?  
– Stockholm Biochar Project

# BIOCHAR EXPO-GARDENS PLAN 25-26 JUNE 2015



# REINVENTING FIRE

Produced & Directed by ALESSANDRA POPULIN & VANIA DEL BORGIO



*Can a simple flame change the lives of millions of people in the developing world - and in the long run help save our planet? An amateur inventor in Italy and a young woman leader in Ghana think so. A film about pioneers at the frontier of a great change in our way of producing energy...*

With **VERONICA AGODOA KITTI, REVEREND FELIX ASANTI BODO, CARLO FERRATO, ALESSANDRO PERESSOTTI** and **EDWARD YEBOAH** Camera **SABRINA VARANI, ALESSANDRA POPULIN** Additional Camera **ABDOUL COMPAORE, GIANPAOLO RAMPINI** Sound **IGNAZIO VELLUCCI, GIOVANNI BUORO** Sound Design & Mix **MEDIA SINTESI/ALESSANDRO NARDONI** Original Music **DANIELE CESTANA** Editor **MARIA VALERIO, PAOLO VANGHETTI**  
Produced and directed by **ALESSANDRA POPULIN & VANIA DEL BORGIO**

A **TAILSFILM PRODUCTION** in association with **EIE FILM** with the support of:



**HD/DUR: 49' / ENGLISH AND ITALIAN WITH SUBTITLES**

**Contacts: +39 339 847 1136 +39 348 880 0934 [www.tailsfilm.com](http://www.tailsfilm.com)**

## **For further information:**

**Biochar EXPO 2015 Officer**

[biocharexpo.office@gmail.com](mailto:biocharexpo.office@gmail.com)

Tel: 0553033711

**Dr. Anita Maienza, PhD**

Tel: +39 055 3033737 | Skype: anitamaienza

E-mail: a.maienza@ibimet.cnr.it

Mobile + 39 3887483656

**Mr. Alberto Mattedi**

Tel: +39 0461 615597 | Skype: alberto\_trento

E-mail: alberto.mattedi@fmach.it

Mobile: +39 3408619926

