



REFERTIL INTERNATIONAL CONFERENCE



We invite all interested to our conference of the
EU FP7 REFERTIL project:

**Advanced COMPOST and BIOCHAR Processings: Solution
for Economical PHOSPHORUS Recovery**

17 -18th September 2015.

E. S. de Gastronomía y Hostelería de Toledo

C/Río Cabriel 1. Polígono Sta M^a Benquerencia Toledo, Spain

Organized by **TERRA HUMANA Ltd.** and **BIOMASA del GUADALQUIVIR S.A.**



TO WHOM IS ADDRESSED: The Conference is aimed to representatives from state, regional and local administrations, research centers and universities, recycling and fertilisers companies, and representatives from farmers SMEs and farmers unions.

MAIN TOPICS:

- Compost and Biochar: applied science state of the art, progress from science into economical scale industrial applications.
- Advanced compost and biochar processing technologies: main results of the REFERTIL project. Converting science into economical industrial practice.
- Analytics and quality specifications of biochar and compost products.
- Current status of the EU law harmonization of organic fertilisers and soil improvers, REFERTIL EU policy support works.
- Phosphorus Recovery: needs, technologies and drivers.
- P and N natural solutions, efficiency and environmental protection.

CALL FOR ABSTRACT: biochar and compost EU Member State stakeholders from science, technology, nutrient recovery, circular economy and all main topic related fields are welcome to submit **abstracts (max. 1500 character) for oral and/or poster presentations of results.** The Conference content will be disseminated in wide and global range after the event.

Deadline for abstract submission: August 17, 2015.

E-mail: biochar@3ragrocarbon.com

REGISTRATION: The conference is free of charge to all EU Member State stakeholders. **Registration is mandatory which is valid only after confirmation from the organizers.**

We request all participants to register via the registration link:

<http://www.refertil.info/refertil-conference-registration-2015>

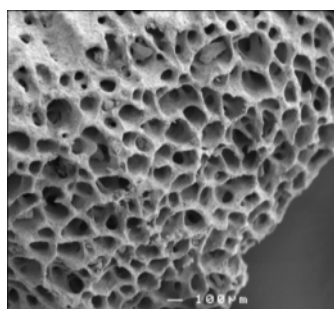


REFERTIL (Grant 289785) project is co-funded by the European Commission Directorate General for Research, within the 7th Framework Programme RTD/theme 2 KBBE.

Purpose of the REFERTIL Project

REFERTIL provides EU-28 standardized, advanced, and comprehensive bio-waste treatment and nutrient recovery process improvements towards zero emission performance with eco-safe output compost and biochar products. The REFERTIL development works cover fields from applied science to economical industrial scale ups, including industrial technology engineering for the benefits and interest of the SME farmers. The improved output products will be safe, economical and standardized compost and biochar products containing phosphorous and nitrogen that can be economically and beneficially used by SME farmers. As a result, both food and environmental safety is improved, while a new bio-economy is generated.

What is biochar material and how is it made?



Biochar is plant and/or animal biomass by-product or organic waste based stable carboniferous substance for conservation agriculture applications. Biochar is produced under reductive thermal conditions. The biochar must be well defined and controlled quality.

Biochar is applied to improve the soil physical and/or chemical and/or biological properties or the soil activity. A wide range of organic feed materials can be used for biochar production, subject to sustainability requirements, such as not to compete with human food, animal feed and plant nutrition production and supply; and originating from environmental and climate protection sustainable supplies. **Plant Based**

Biochar (PBC) is a soil improver, while Animal Bone bioChar (ABC) is an organic P-fertilizer or both. Properly produced biochar has the potential to restore the soil natural balance and benefits crop production economics by improved water and nutrient retention, leading to drought tolerance and soil fertility for food crop production with economical importance.

What is compost material and the composting process?

Compost is a humified solid particulate material, which has been sanitised and stabilised; and which confers beneficial effects when it is added to soil, used as growing media constituent, or used in another way in conjunction with plants. Composting is a process of controlled decomposition and humification of biodegradable materials under managed conditions, which are aerobic and which allow the development of temperatures suitable for mesophilic and thermophilic microorganism as a result of biologically produced heat.



The revision of the Fertiliser Regulation - REFERTIL Policy support

Only mineral fertilisers have been regulated at the EU 28 level. The current Fertilisers Regulation (EC. No. 2003/2033) covers only a part of the inorganic (mineral) fertilisers i.e. 'EC fertilisers' that meet the requirements of the Regulation. The Commission intends to revise Regulation (EC) No 2003/2003 to extend its scope to other fertilisers and fertilising materials including organic fertilisers (possible including animal bone biochar), growing media, soil improvers (possible including compost and biochar) and possibly biostimulants.

The REFERTIL project provides continuous policy support works for the European Commission (DG Industry and Enterprise and other DGs) related to the revision of the Fertiliser Regulation (Reg. (EC) No 2003/2003), and the possible regulation inclusion of compost and biochar, such as organic P fertilizer (ABC) and soil additive (PBC).