

FERTIPLUS EU FP7

Introduction to FERTIPLUS

Peter Kuikman, April 12, 2012





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Duration: 48 months

Coordinator: Dr. Peter Kuikman / Alterra

Web page: www.fertiplus.eu;

http://ec.europa.eu/research/bioeconomy/agriculture/projects/fertiplus_en.htm



The Fertiplus Consortium

No	Participant Organization name	Short Name	Country	Type
1	Stichting Dienst Landbouwkundig Onderzoek-ALTErrA Wageningen UR	Alterra	Netherlands	University
2	Bauhaus-Universitaet Weimar	Buw	Germany	University
3	Vlaams Gewest	Vlagew	Belgium	RTD
4	University of Leeds	Ule	United Kingdom	University
5	Organic Waste System NV	OWS	Belgium	SME
6	Agencia Estatal Consejo Superior De Investigaciones Cientificas	CSIC	Spain	RTD
7	Consiglio per la Ricerca e Sperimentazione in Agricoltura	CRA	Italy	RTD
8	Id Consortium, S.L.	IDC	Spain	SME
9	Energy Research Centre of the Netherlands	ECN	Netherlands	RTD
10	Graphite Resources Ltd	GRL	United Kingdom	SME
11	Fundación para las Tecnologías Auxiliares de la Agricultura	Tecnova	Spain	RTD
12	Proinso, S.A.	Proi	Spain	SME
13	IRIS-Isontina	Iris	Italy	Company
14	Gestora de Residuos del Sur, S.L.	Geresur	Spain	SME

Objective and challenges of Fertiplus

- From urban and organic waste to valuable products in agriculture
- Innovative processing of wastes
- Safe products
- From know how to show how
 - Assessing the options (waste, tech)
 - Understand, explain and innovate
 - Testing, improving and showing
 - Telling and implementation and what to put on the bag!



Work packages and objectives

1. Management and coordination of FERTIPLUS
2. Analysis of (municipal) waste streams across regions in EU27 as potential to displace use of mineral fertilisers
3. Sustainable and efficient production
4. Agronomical and environmental evaluation of biochar, compost, biochar-blended compost
5. Sustainable and efficient product application
6. Communication and dissemination of results and implementation technology



Work packages and objectives

2. Analysis of (municipal) waste streams across regions in EU27 as potential to displace use of mineral fertilisers
 - Assess and report on *quantity and quality of biowaste* from household and household-like biowaste and organic waste from agriculture, relevant policies and impacts (M3-24)
3. Sustainable and efficient production
4. Agronomical and environmental evaluation of biochar, compost, biochar-blended compost
5. Sustainable and efficient product application



Work packages and objectives

2. Analysis of (municipal) waste streams across regions in EU27 as potential to displace use of mineral fertilisers
3. Sustainable and efficient production
 - *Characterisation and sampling of feedstocks, biochar production and characterisation and innovative improvements to the traditional composting systems (M3-24)*
4. Agronomical and environmental evaluation of biochar, compost, biochar-blended compost
5. Sustainable and efficient product application



Work packages and objectives

2. Analysis of (municipal) waste streams across regions in EU27 as potential to displace use of mineral fertilisers
3. Sustainable and efficient production
4. Agronomical and environmental evaluation of biochar, compost, biochar-blended compost
 - *Nutritional aspects and other agronomical benefits of application, evaluation of C and N cycles involved in soil C immobilisation and GHG at lab scale experiments; fate of persistent pollutants associated to the use of biochar and biochar-blended compost (M6-48)*
5. Sustainable and efficient product application



Work packages and objectives

2. Analysis of (municipal) waste streams across regions in EU27 as potential to displace use of mineral fertilisers
3. Sustainable and efficient production
4. Agronomical and environmental evaluation of biochar, compost, biochar-blended compost
5. Sustainable and efficient product application
 - *Life-cycle analysis of composts and biochar products, best practices for a safe use of compost, biochar and blends and economic evaluation (collection, treatments, application and end-products) and assessment on the feasibility of processes (M6-48)*



Work package 6

6. Communication and dissemination of results and implementation of technology

- *Building an information and communications infrastructure for Fertiplus and (project and public) website*
- *Development of a publication program*
- *Specific dissemination*
- *Biannual publication and distribution Fertiplus Bulletin*
- *Policy supporting report on contaminants with REFERTIL*



Related EU FP7 projects

- REFERTIL (Edward Someus, 3R Environmental Technology, Hungary, <http://refertil.info/project-summary>)
- Catch-C (Hein ten Berge, Wageningen UR, NL, <http://www.catch-c.eu/>)
- SMARTSOIL (Jørgen Olesen, University Aarhus, DK, <http://smartsoil.eu/>)
- INEMAD (Jos Buysse, University Gent, B, <http://www.dlvinnovision.be/dlvinnovision/en/fp7-inufarmix-english>)
- CANTOGETHER (Philippe Leterme, INRA, Rennes, F, http://ec.europa.eu/research/bioeconomy/agriculture/projects/cantotogether_en.htm)



Thank you!

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