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OPTImised nutrients MAnagement from Livestock production in Alto Adige

With the contribution of the LIFE financial instrument of the European Union

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RAMIRAN WORKSHOP „Animal Manure Processing“

Friday 11th september 2015 09:00-10:30; Building N, Room 0007

1. Background and introduction

Poor manure handling techniques for collecting, storing and spreading manure can have significant negative impacts on air, soil and water quality. Livestock production is assumed to be the greatest source of ammonia emissions in many countries and is a major non-point source of nutrient pollution.

Increasingly the intensification of livestock production leads to larger herds and industrial-scale operations that produce large quantities of manure at centralised locations or with many medium sized operations on a limited regional area.

Furthermore, many entrepreneurs tend to specialise in either crop production or livestock production, and increasingly pig and poultry enterprises do not engage in crop production at all.

As intensive livestock farming is being placed under increasing pressure to minimise the environmental impact of its operations, there is a growing interest in innovative processing technologies that can improve the economic competitiveness of manure handling while at the same time improving utilisation of the nutrient resources.

2. EU Support for animal manure processing within the EU LIFE Programme

Within the framework of the LIFE+ Program the European Commission is supporting the projects OPTIMAL (see headline) with animal manure processing in Northern Italy (South Tyrol / Alto Adige). The coordinating beneficiary is the Biogas Wipptal Ltd. who is currently constructing the manure processing plant (for details see: www.biogas-wipptal.it). The project is aiming at a reduction of the regionally nutrient surplus and reduction of nitrogen losses as a whole.

3. Aims and targets of the RAMIRAN workshop manure processing

The general framework is the advanced processing of liquid and solid animal manures which especially includes a multi-step treatment of manures in order to reduce environmental and health impacts by producing fertilizers or other resources

The aims of the workshop are:

- to provide a platform for experts who are involved in manure processing activities (research-development-practice)
 - to provide the opportunity to report on manure processing networking activities
 - to gather information on relevant ongoing projects on manure processing (without and with funding)
 - to create an international network on manure processing
 - to exchange experiences on manure processing techniques
 - to in deepness discuss the techniques
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- to develop ideas in order to accelerate technical progress
 - to identify best techniques
 - to identify technological and economical and socio-economical obstacles
 - to initiate the networking by the LIFE OPTIMAL project networking under the umbrella of RAMIRAN



4. Agenda

1. Welcome and Introduction
2. Currently implemented manure processing techniques on enterprise scale
3. Currently ongoing/existing networking
4. Existing and currently drafted studies on manure processing
5. Conclusions and further actions

Participants are invited to briefly present projects, studies, networks