

EAAP Annual Meeting 2018, Dubrovnik, Croatia

Dear Dr Moreira,

Thank you for submitting your abstract, we have received your contribution for EAAP Annual Meeting 2018, Dubrovnik, Croatia in good order.

Abstract no.: 29763

Abstract title: Livestock Effluents: farm scale effluent management towards agronomic and energetic valorization

Author: Moreira, O., Fragoso, R., Trindade, H., Nunes, R., Murta, D., Duarte, E.

Preferred presentation: Poster

Preferred session: 29: Role of livestock in sustainable landuse and resource uses

Abstract text:

Livestock production is concentrated in certain geographical regions, some of which without enough area for agronomic valorisation of effluents, creating imbalance between “*manure production and manure use*”. Therefore, in order to be competitive and comply with legal requirements, the sector must search for alternative management strategies for its effluents which should promote a circular economy. The objective of this Operational Group, supported by PI 2020 (Portugal), is to valorise livestock effluents as a resource, focusing on the production and integrated management of the different flows generated at farm scale, optimizing their use as secondary raw materials, recovering energy and nutrients, improving farm nutrient balances and promoting sustainable management. The main activities to achieve these objectives are related with the four main routes: manure processing; feed and fertilizer replacement to develop a sustainable animal husbandry, bioenergy production in a livestock farm and biodegradation by Black Soldier Fly larvae. The main goal of the project is the application of an established roadmap for effluents management and testing the weak and strong points to promote common advances in the nexus biowaste/energy/bio-fertilizer, closing the nutrients' cycle towards a sustainable bioenergy economy, creating a *balance between manure production and manure use from 2018 onwards*. The beneficiaries will be the animal producers and farmers and policy makers on manure use and production regarding legislation adaptation to new EU rules. This Operational Group (GOEfluentes) includes eleven partners from Research and Teaching, Agri Associations and Agri Enterprises.

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With kind regards, on behalf of the Croatian organisers,

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