Conclusions – Session on Nutrient Recycling & Recovery

- Very common grounds in regards with interest towards feedstocks (manure, slurries, municipal & food waste, agro-residues) from which to start for nutrient recovery

- Generally- both regions share a great interest in integrated approaches in which wastes/residues are processed/converted into multiple complementary added values : energy, soil enhancers, other added products (e.g. insects proteins), fertilizing products and nutrients : **Biorefineries**

- In further detail, both regions put emphasis on development of **biogas technology** and attention on the use of digestate for fertilization

- Points of attention requiring to be adressed concern **quality (assurance) of products** from (microbial) processing of wastes/residues, which includes attention on assessment of **fertilising value** as well as the presence/absence of undesired components when starting from heterogenous wastes

- An interesting outcome of the introduction presentations and discussions was the common interest in insect technology to produce more sustainable **animal proteins and lipids from breeding insects on organic residues** ('mini animal husbandry')

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- In addition the following topics also received attention : (i) thermal processes for organic residue conversion and potential role towards nutrient cycling (e.g. biochars); (ii) interest in role of composts as soil enhancer; (iii) dealing with feedstock heterogeneity / seasonality (and implications for storage/logistics)