



## "Fertiliser properties and user uptake of recycled nutrient materials" session – Summary of outcomes

- We still see the development of **new technologies** to produce fertilizers from biowaste
- Not only fertilizers are the focus but also biostimulants to improve fertilizers
- Recycled P from new sources such as residues of fish and fish sludge
- Large scale production for sustainable biorefinery use of **microalgae** with several demo facilities and different agriculture/aquaculture products that are legally accepted
- 2 MCSA presented: upcycling of new biobased fertilizers from organic wastes and one dealing with removal and recycling P (and Fe) from surface waters
- Valorization of urban waste with a focus on **ethanol** production with digestate as a by-product
- Alternative purposes of the recycled P were shown, as its application to enriched larvae that will be used as sources of proteins for animal feed
- Legume's PUE from recycled P sources analyzed in long term field trials
- Fertilizers companies don't foresee a 100% of replacement of mineral fertilizers but a significant contribution of biobased fertilizers to the market

4<sup>th</sup> Phosphorus in Europe Research Meeting, 2<sup>nd</sup> June 2021 – Ana Robles Aguilar