



Dr. Sara Stiernström

EasyMining is an innovation company dedicated to closing nutrient cycles.



RAGN-SELLS GROUP FACTS 2019



Sales: 6 409 MSEK

Employees: 2 287

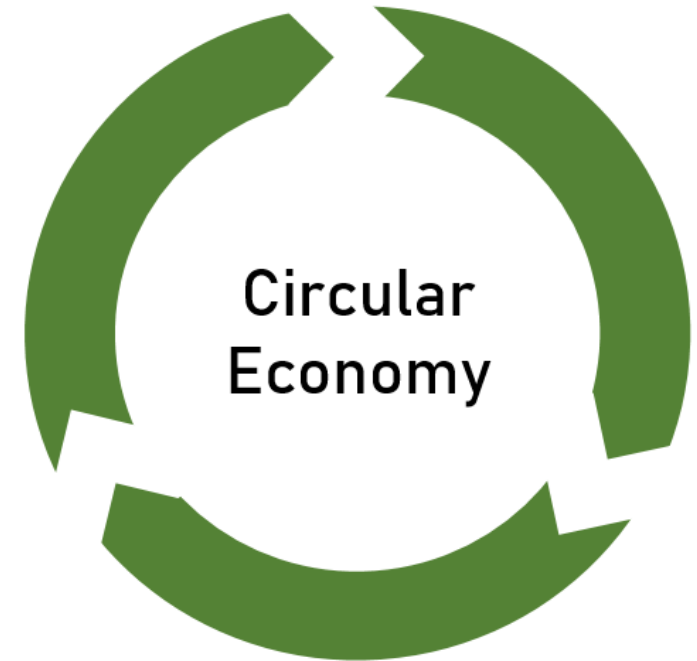
Markets: Sweden, Norway, Denmark, Estonia

Sites: 96

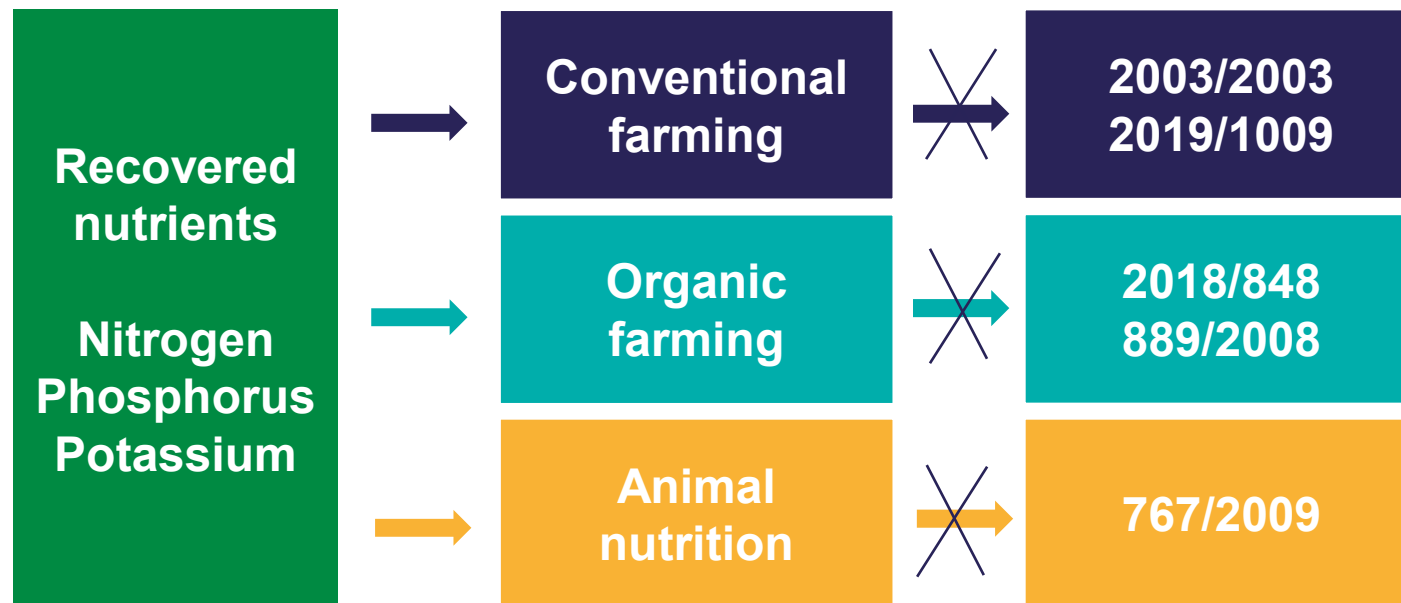
Material treated: 6.3 million tonnes

Why End of Waste criteria

- If we are being serious with transitioning to a circular economy, being able to use waste as a resource and raw material is key
- Lack of EoW-criteria has been pointed out as a barrier in the interface between waste and chemicals legislation
- Today, material standards are based on the origin of a resource rather than it's quality



Focus on quality instead of origin



Phosphorus recycling: an inevitable part of our future society

- Phosphorus is an essential element for life and a key nutrient
- Because of the limited availability, EU has included Phosphorus on the list of **Critical Raw Materials**
- Legislations are driving for recovery of Phosphorus, e.g., the Taxonomy and the new Sewage Sludge Directive
- The recovered Phosphorus need to be accepted on the market if fulfilling the quality demands!



Open the market

- Push for legislations that demand recovery rates for nutrients
- Open the market for reused nutrients; make the linear legislations circular by focusing on quality not banning on origin
- Add EoW criteria for each market; make it possible to sell recovered nutrients with high quality as fertiliser and as a feed phosphate.

