European Compost Network

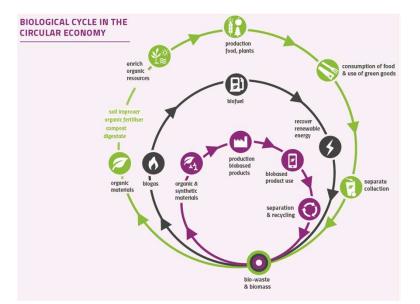
Opportunities for the organic fertiliser industry: Compost and Digestate



European Compost Network ECN e.V. Stefanie Siebert <u>info@compostnetwork.info</u> European Compost Network

ECN's Vision

"Living well within the limited resources of the planet respecting the organic cycle"



ECN is the leading European membership organization

 Promoting sustainable recycling practices of organic resources: composting, anaerobic digestion...

> 61 members from 27 European countries 45 M tpa treatment capacities

4.500 treatment plants (composting & AD)



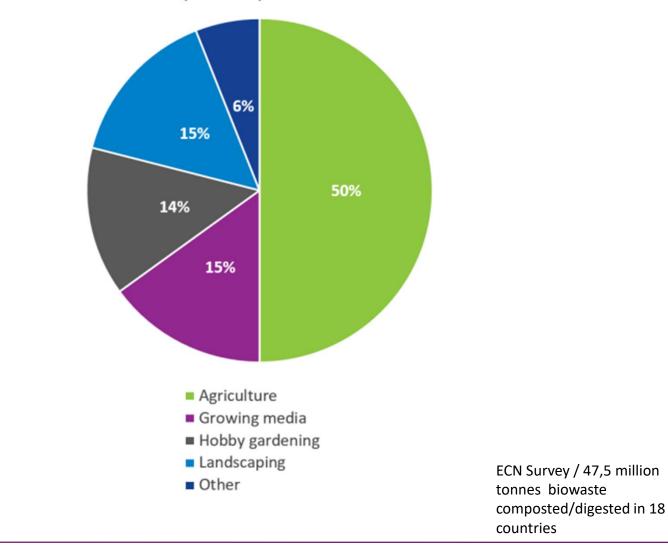
Resource Potential of Compost - Fertiliser value calculation

Nutrient and Organic Matter potential of Compost

Total potential of bio-waste	125-130 Mio. tonnes per year
Potential of bio-waste from MSW	90 Mio. tonnes per year
Compost fm (40 %)	36 Mio. tonnes per year
Compost dm (dm 65 %)	23,4 Mio. tonnes
Organic matter dm	8-10 Mio. tonnes
 Nitrogen (N) dm 	350.000 tonnes
• Potassium (K) dm	340.000 tonnes
 Phosphorus (P) dm 	81.600 tonnes



European Bio-Waste Management, 2017 ECN Status Report

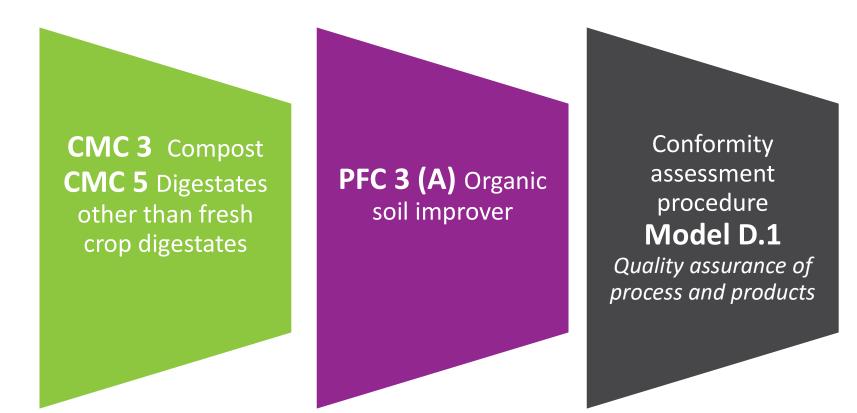


European Compost Markets



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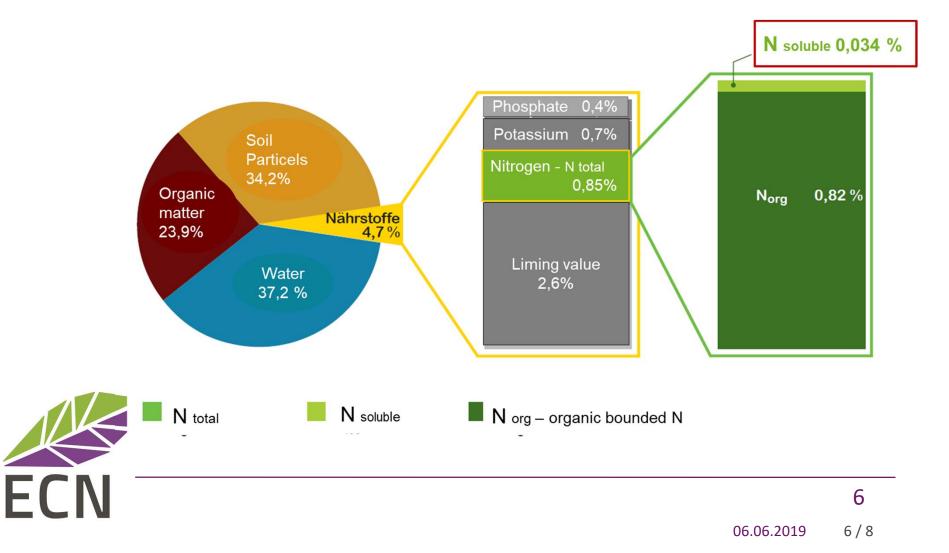
Compost in the EU Fertiliser Regulation





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Composition of RAL- quality assured Compost by BGK e.V. Germany Quality Assurance Organisation for Compost (1) Median – data based on **fresh mass** (2015); n = 3,272



ECN's Concerns on the EU Fertilising Product Proposal

- The pathogen control with limit values for 'Escherichia coli / Enterococcaceae' as product criteria for organic fertilisers, organic soil improvers and growing media
- Organic materials will be excluded to be placed as fertilising products on the European market as these pathogens will regrow
- The proposed time-/temperature profiles for composting are not in line with the state of art for composting alternative time/temperatures are needed also in the Animal By-Product Regulation
- **Effective hygienisation for animal pathogens can be reached at 3 days 55 °C**

Open Challenge: Adaption of appropriate hygienisation requirements for compost and digestate for placing them as as CE fertilising product on the EU market!

Further information

ECN Homepage: <u>www.compostnetwork.info</u>

- ECN Status Report
- Factsheets
- ECN News/E_Bulletin
- Country reports
- ECN-QAS Manual



ECN

