### **European Compost Network**

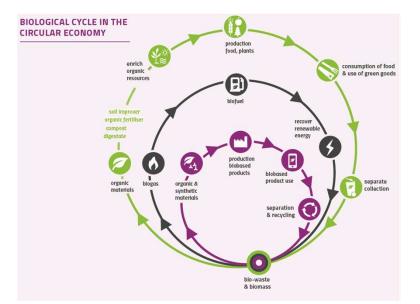
# Opportunities for the organic fertiliser industry: Compost and Digestate



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)



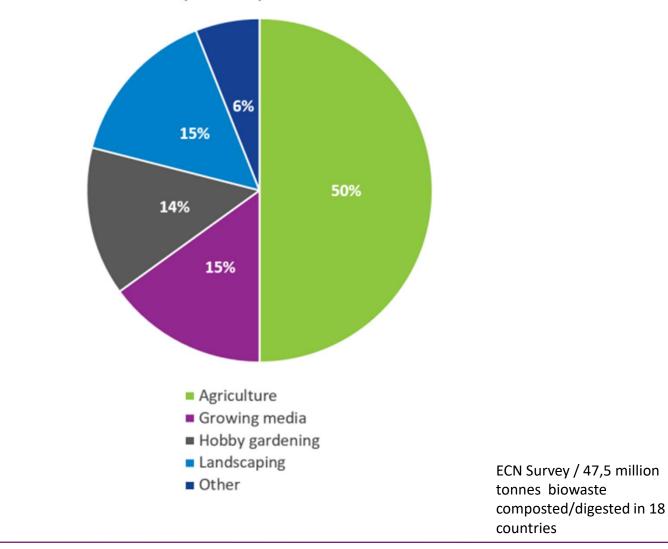
### Resource Potential of Compost - Fertiliser value calculation

#### **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
<ul> <li>Nitrogen (N) dm</li> </ul>	350.000 tonnes
• Potassium (K) dm	340.000 tonnes
<ul> <li>Phosphorus (P) dm</li> </ul>	81.600 tonnes



### European Bio-Waste Management, 2017 ECN Status Report

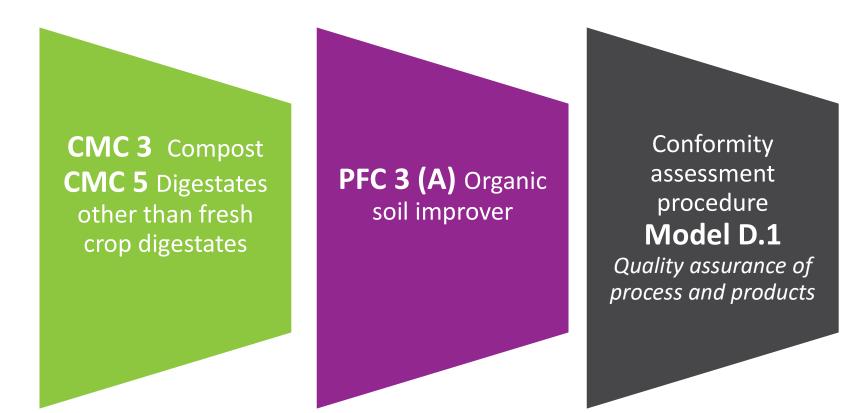


**European Compost Markets** 



06.06.2019 4 / 8

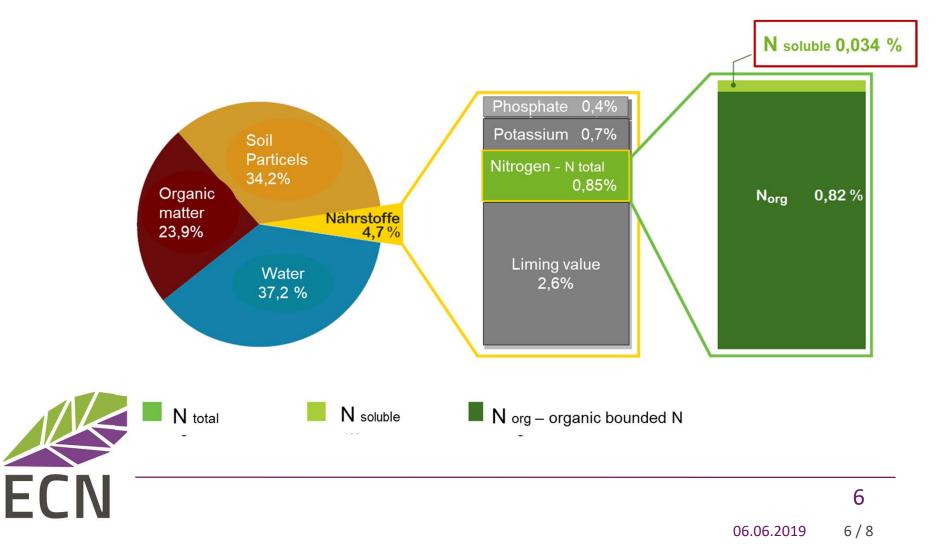
### **Compost in the EU Fertiliser Regulation**





06.06.2019 5 / 8

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

