



# ECN | **Biowaste in the Circular Economy**

Workshop / Brussels / 6 September 2017

Hosted by

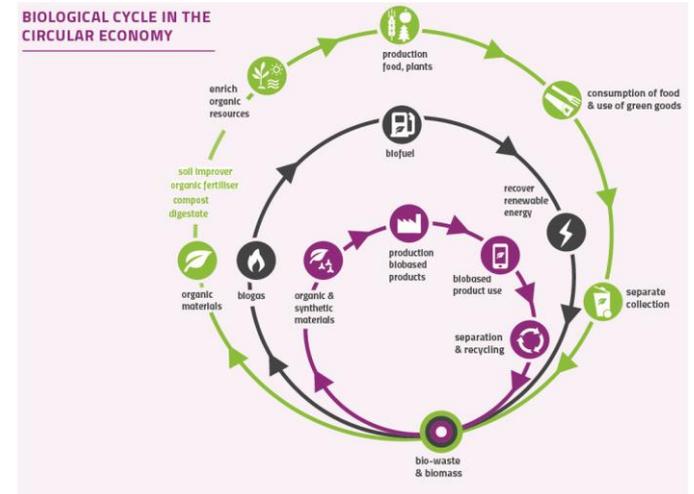


**European Committee  
of the Regions**

# 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 in composting, anaerobic digestion and other biological treatment processes of organic resources with the aim to produce high quality compost and digestate products.

# European Compost Network

- 67 Members from 27 European Countries
- ECN represents more than 3.500 treatment plants (composting and anaerobic digestion) with more than 33 M tpa treatment capacities

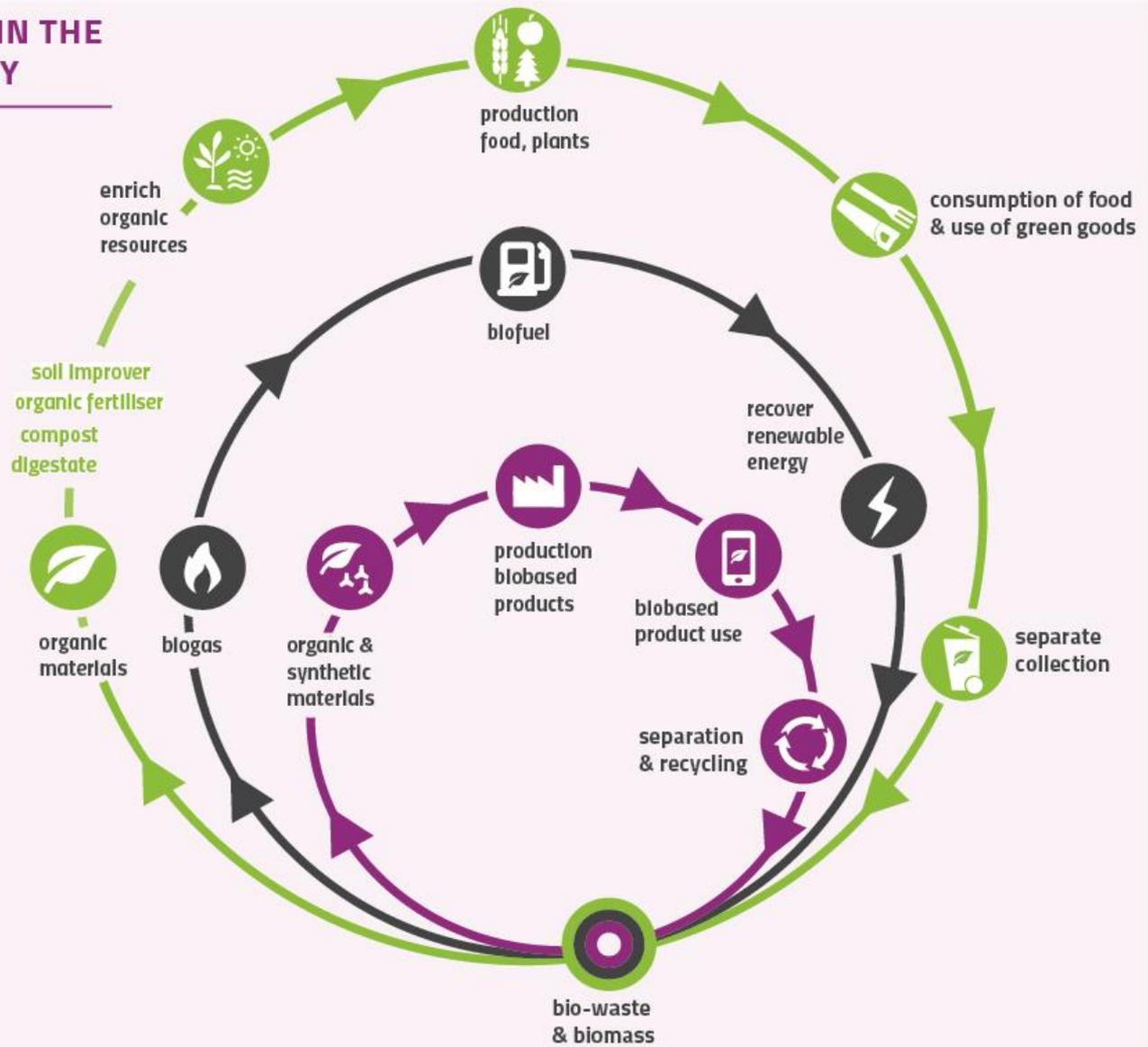
Composting	Plants	Input [ mio tonnes/a]
Greenwaste	1516	10.1
Biowaste	1272	13.4
Anaerobic Digestion	Plants	Input [ mio tonnes/a]
Biowaste (incl. Commercial & industrial biowaste+manure)	2.150	24.1

Source: ECN survey 2017

- Compost production of 12-15 M tpa, used as
  - Organic Fertiliser
  - Soil Improver
  - Mixing component in Growing Media



# BIOLOGICAL CYCLE IN THE CIRCULAR ECONOMY

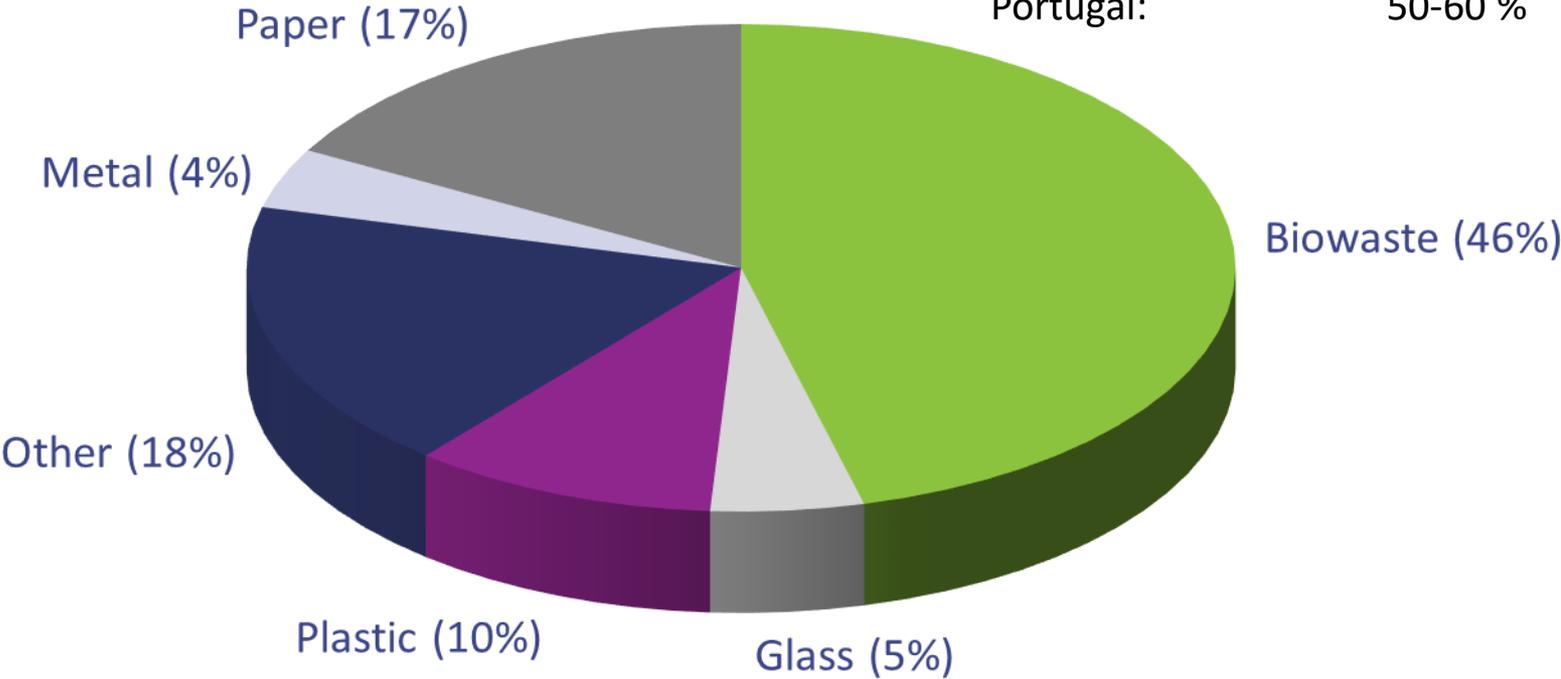


# Composition of Municipal Solid Waste

Biowaste in MSW [EEA 02/2013]

EU27+NO+CH-CY: 37 %

Portugal: 50-60 %

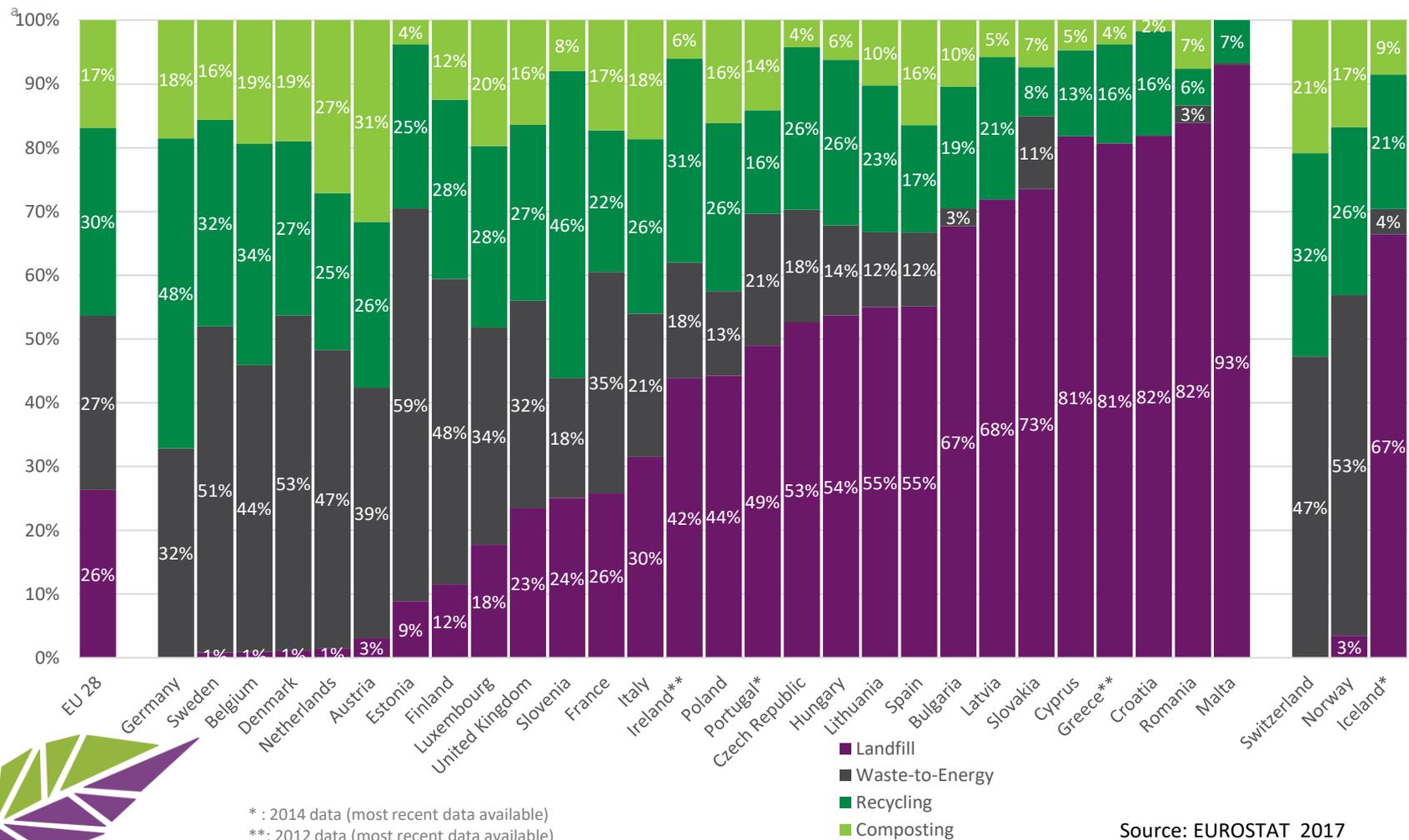


Source: World Bank/Hoornweg and Bhada-Tata, 2012



# Municipal solid waste treatment in 2015

## EU 28 + Switzerland, Norway and Iceland



\* : 2014 data (most recent data available)  
 \*\* : 2012 data (most recent data available)

Source: EUROSTAT 2017

# Separate Collection of Municipal Biowaste in Europe

## Composting

### Sweden:

39 sites, 0.42 million tons of biowaste

### Finland:

240 sites, 0.48 million tons of biowaste

### United Kingdom:

362 sites, 5.92 million tons of biowaste

### Netherlands:

121 sites, 4.20 million tons of biowaste

### Belgium:

47 sites, 0.78 million tons of biowaste

### Germany:

884 sites, 7.46 million tons of biowaste

### France:

683 sites, 4.96 million tons of biowaste

### Spain:

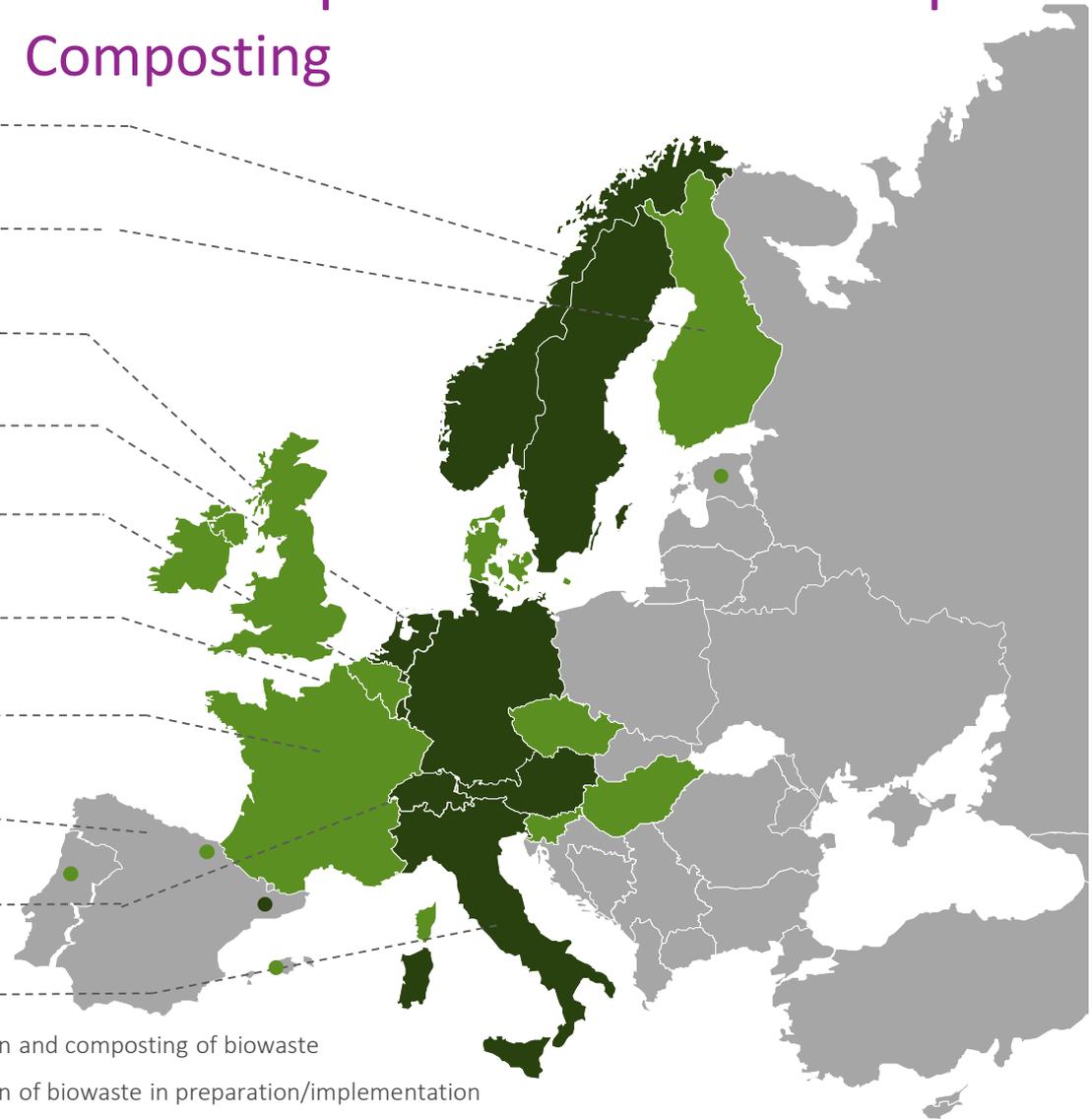
44 sites, 0.66 million tons of biowaste

### Switzerland:

168 sites, 0.5 million tons of biowaste

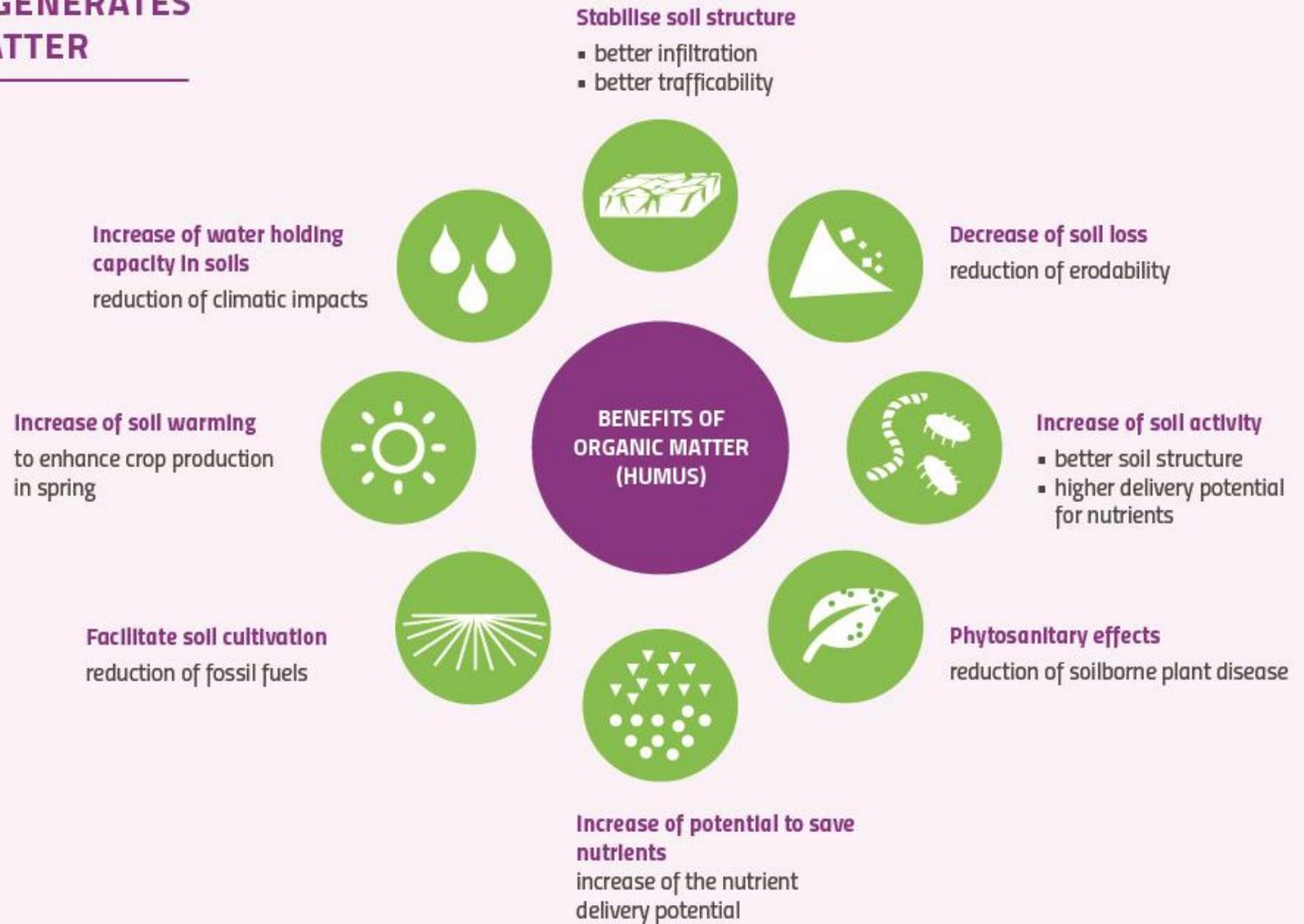
### Italy:

261 sites, 5.13 million tons of biowaste



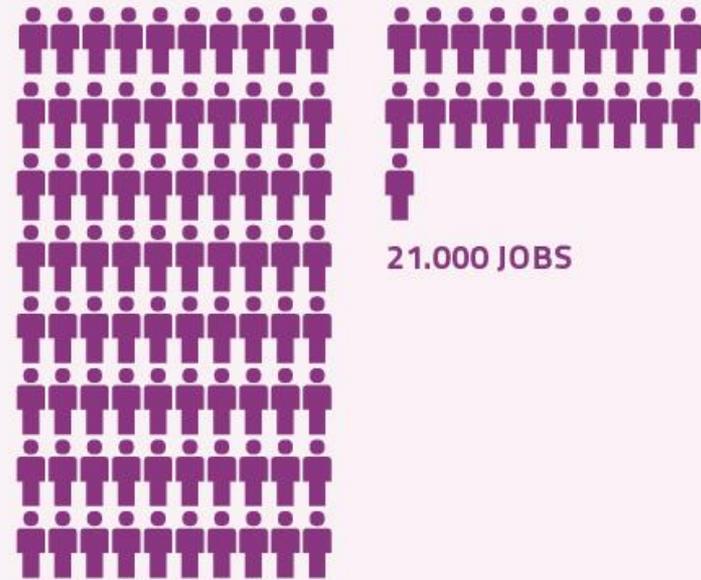
- Separate collection and composting of biowaste
- Separate collection of biowaste in preparation/implementation
- Only limited collection of biowaste

## BIO-WASTE GENERATES ORGANIC MATTER



# BIO-WASTE GENERATES JOBS

## POTENTIAL DIRECT JOBS\* IN THE BIO-WASTE SECTOR



\*full-time jobs related to the treatment

# Information

www.compostnetwork.info

