Aktuelles zur Verwertung von biogenen Abfällen in der EU

Stefanie Siebert, Executive Director of ECN



www.saveorganicsinsoil.org







@ECNnetwork

www.compostnetwork.info

European Compost Network





66 Members from 28 **European Countries**

≈ 48 M tpa **Treatment Capacity**

> 4.500 Composting & **Anaerobic Digestion Plants**

we do

ECN Board



ECN Board 2022

- Kristel Vandenbroek (BE, VLACO) Chair
- Massimo Centemero (IT, CIC) Vice-Chair
- Irmgard Leifert (DE, BGK) Treasurer
- Susana Lopes (Lipor, Portugal)
- Domantas Tracevicius (LT, NGO Ziedine ekonomika)
- Tomasz Wojciechowski (PL, GWDA)
- Arjen Brinkmann (NL, BVOR)
- Jens Måge, (NO, Avfall Norge)
- Horst Müller (AT, KBVÖ)



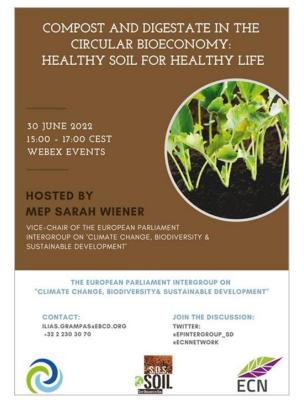
Annual Meeting 2022





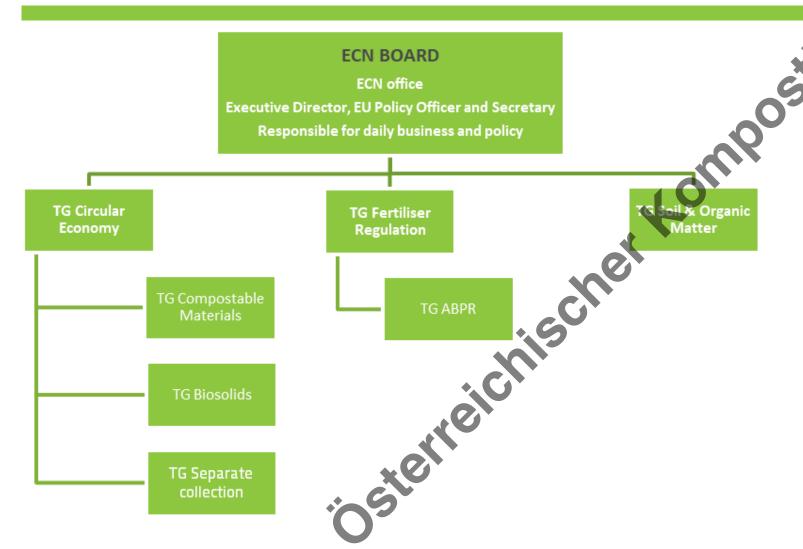
The Annual Meeting (AM) 2022 took place on the 30 June 2022 in Brussels in conjunction with

the celebration of ECN's 20th Anniversary, and



Area European Policy





TG Circular Economy- Chair: Stefanie Siebert (ECN), Paricipants: all Board Members

- **TG Compostable Materials** Chair: Marco Ricci-Jürgensen (CIC, IT), 38 participants
- TG Biosolids Chair Vacancy, 23 participants, (pausiert)
- TG Separate Collection Chair: Steffen Walk (TU Hamburg-Harburg, DE), 21 participants
- **TG Fertiliser Regulation** Chair: Irmgard Leifert (Reterra Service GmbH, DE), 33 participants
- TG ABPR Co-Chairs: Percy Foster (CRÉ, IE) and Wim Vanden Auweele (Vlavo, BE), 13 participants
- **TG Soil & Organic Matter** Chair: Albertoo Confalonieri (CIC, IT), 26 participants
- TG Quality Assurance Chair: Wim Vanden Auweele (Vlaco, BE), 33 participants

Biowaste & The Circular Bioeconomy



BIOWASTE



A Cross-Cutting Resource

European Green Deal

Bioeconomy Strategy

Biodiversity Strategy

Farm to Fork Strategy

Soil Strates

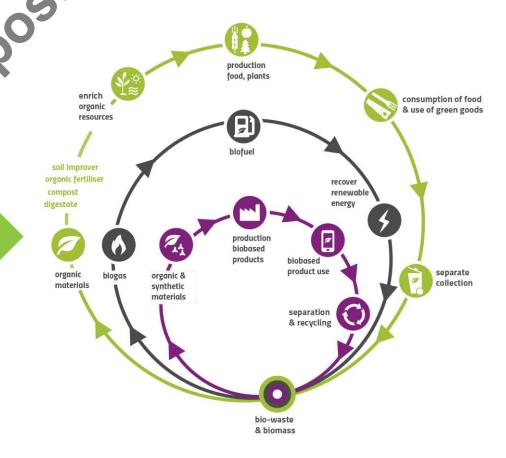
Waste Framework

Cirective

Zero Pollution Action

plan

BIOWASTE in the Circular Bioeconomy



EU Policy Approach - The EU Green Deal



Carbon Neutral Economy 2050

Climate law

- GHG emissions reduction from source
- GHG emissions removal from the atmosphere in natural sinks – e.g. in soil

Farm to Fork Strategy 2020

 Reducing mineral fertilisers and pesticides; increasing organic farming

Biodiversity Strategy 2030

• 30 % restoring land and increasing organic farming

CE Action Plan

2020

• New chemicals strategy for sustainability

2021

- Green Public Procurement (GPP) criteria and targets in sectoral legislation with mandatory reporting
- Industrial Emission Directive: Revision
- Unintentional release of microplastics: labelling, standardisation, certification and regulatory measures
- Waste Shipment Regulation: Revision

2022

 Harmonised model for separate collection and labelling of waste

2023

Regulatory framework for certification of carbon removals

- 65 % recycling target for municipal waste by 2035
- Mandatory separate collected or separated at source by 2023
- Ban on Mechanical biological Treatment from Recycling by 2027
- Landfill target Maximum 10 % of municipal solid waste by 2035

EU Green Deal & CE

Waste
Framework
&
Landfill
Directives

Fertilising
Products
&
Animal By
Products
Regulation

strategy

- Boosting organic matter (biowaste) recycling from biowaste
- Integration of organic fertilising products into the scope of the new Regulation
- Introducing harmonised EU rules for products
 diverting from organic waste materials
- CE marking and free trade for organic fertilising products across EU
- Optional Harmonisation
- End point in the manufacturing chain for ABP-derived materials

- Integrated Nutrient Management Action plan (INMAP)
- Reduce nutrient losses by at least 50 % without deterioration in soil fertility
- Reduction of fertiliser use by at least 20 %
- Carbon farming practises & carbon removal schemes

Farm to Fork

& Law

Sustainable & Biodiversity

- Soils should be in a healthy condition by 2050
- 60-70 % of soil ecosystems in the EU are unhealthy and suffering from continuing degradation
- 12,7 % of Europe is effected by moderate to high erosion
- EU Soil Health Law by 2023
- Identifying Soil health indicators & Soil Health Certificate
- 30 % restoring land and increasing organic farming (25% organic farmland by 2030)

- Enforcement: implementation of biowaste separate collection (esp. food waste)
- Binding recycling target for separate collected/source separated municipal biowaste
- Separate collection/recycling target for commercial and industrial biowaste

KEY CHALLENGES

Waste Framework Directive Fertilising Products

Animal By-Products Regulation

- Unsuitable ABPR treatment requirements for food waste from kitchen (Cat. 3)
- Exemption of sludges from food & feed processing industries as input material for composting & AD
- Unbalanced requirements in the conformity assessment procedures for compost & AD

- Including compost & digestate from biowaste in carbon farming practises, carbon removal schemes
- Replacement of mineral fertilisers with high-quality recycled organic materials
- Recognition of soil organic matter in the Integrated Nutrient Management Action Plan

Farm to Fork
&
Sustainable

Soil Health Law & Biodiversity strategy

- Maintaining & improving soil organic matter
- Recognition of carbon sequestration potential of compost and solid digestate
- Replacement of peat in growing media with high-quality recycled organic materials (compost & solid digestate)

ECN's Data Report 2022



Comprehensive survey in 2021



ECN DATA REPORT 2022

COMPOST AND DIGESTATE FOR A CIRCULAR BIOECONOMY

Overview of Bio-Waste Collection, Treatment & Markets Across Europe



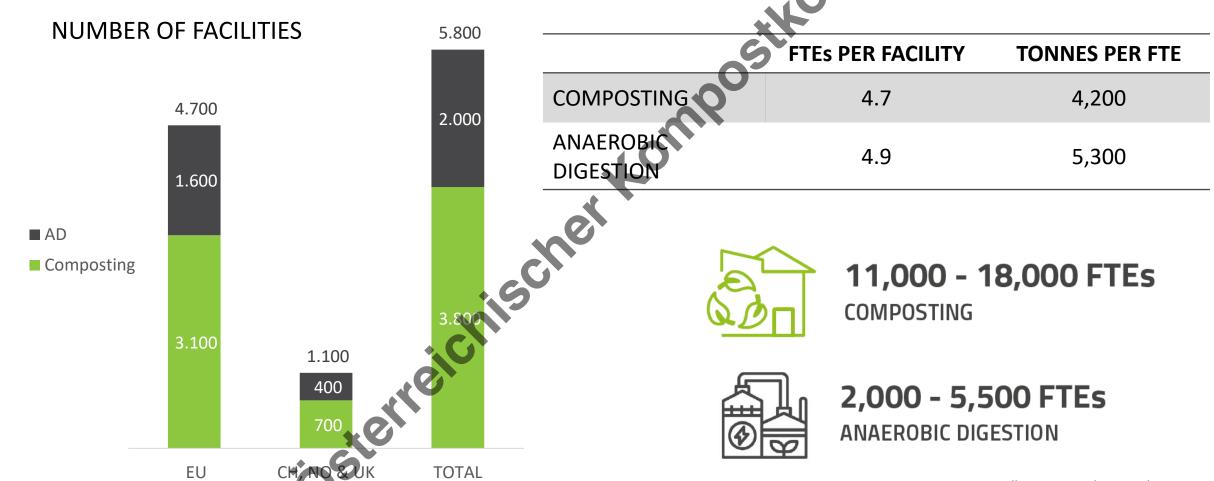


Download:

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Biowaste Treatment – FOR PEOPLE – JOB CREATION

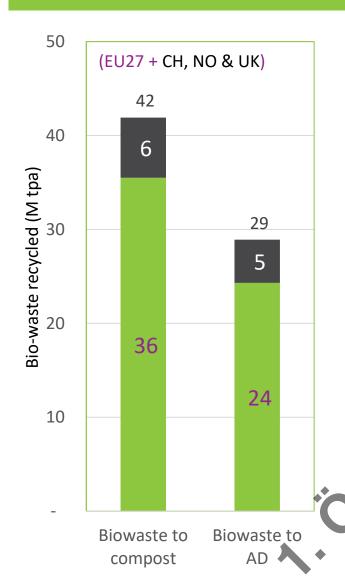




FTE – Full Time Equivalent Employees

Biowaste Collection – Compost & Digestate Production





71 M tpa

BIO-WASTE RECYCLED

21 M tpa

COMPOST PRODUCED

Surface area (million ha)	Fraction of Arable Land	Fraction of Mod./ Severely Eroded Land
23	2%	16%

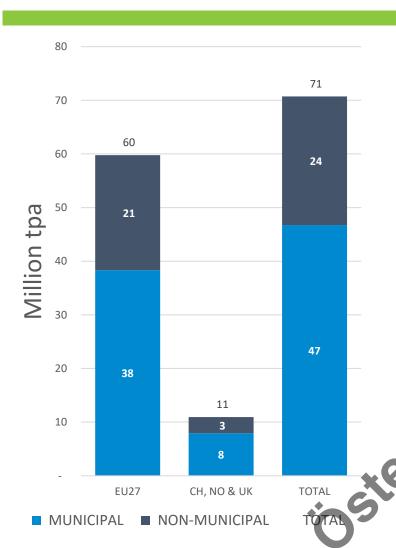
1.2 million tonnes CO₂-eq sequestered on agricultural soils every year



19.1 million
urban tree
seedlings grown
for 10 years

Municipal Biowaste – RECYCLING POTENTIAL

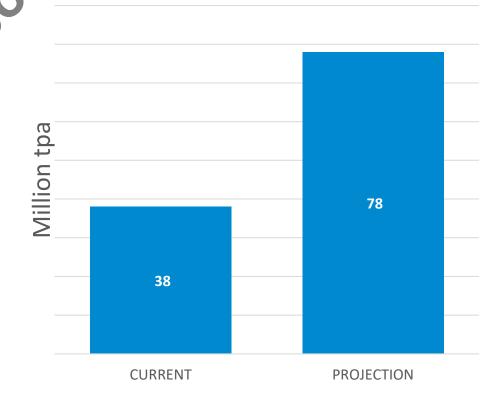




EU TARGET TO
RECYCLE 65% MSW
BY 2035

17% to 35

heeded through
bio-waste
Extra 40 M tpa
MUNICIPAL
BIOWASTE has to
be separately
collected!



03/11/2022 ECN Aktuelles zur Verwertung von biogenen Abfällen in der EU

Biowaste – HIGH QUALITY RECYCLING





Quality Assurance is a pre-condition for placing compost- or digestate-based fertilising products on the European Market

25 % Quality Compost

produced in the EU 27, CH, NO; UK was certified to the ECN-QAS

=

5.3 Million tpa out of 21,7 Millon tpa











KBVÖ Austria

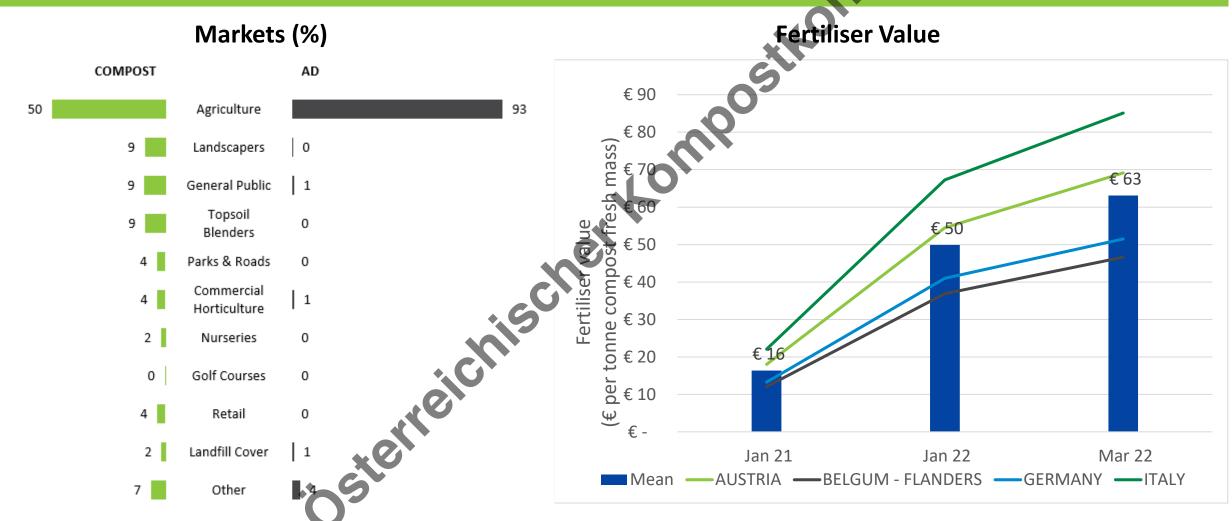


VLACO Belgium

CIC Italy

Compost & Digestate – MARKETS & FERTILISER VALUE





ECN Data report 2022 - Sponsors



Thanks to all sponsors of the ECN Data report 2022!











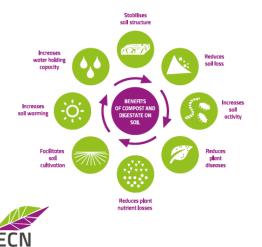






COMPOST AND DIGESTATE FOR A CIRCULAR BIOECONOMY

Overview of Bio-Waste Collection, Treatment & Markets Across Europe



Networking



European membership co-operation

- Since 2017 ECN is official Affiliate Member of the European Environmental Bureau (EEB; participation in EEB's Waste WG and Agri WG)
- Since Q4/2017 ECN is a Liaison Organisation of CEN TC 223 Soil improvers and Growing media'
- Networking with ACR+, EBA, EUBP, EUROCITIES, FEAD, GME, MWE, ZWE

International membership co-operation

- ISWA, Participation in Working Group Biological Waste Treatment
- ECN is Partner in the 4per1000 initiative
- International Compost Alliance (ICA)









International Compost Alliance Networking







HEALTHY SOILS • HEALTHY PLANET



Initiative & Campaign





Promotion of ECN & CIC initiative 'Save Organics in Soil'

- Awareness raising on the importance of soil organic matter and its role in sustainable and productive agriculture
- Recycling of carbon from bio-waste by applying high-quality compost and digestate plays a key role in improving soils and for keeping soils healthy and productive.

International Compost Awareness Week 2023 (30/04-06/05)

- Theme: Healthy Soil for Healthy life
 - Poster contest organized by Compost Research & Education foundation

Compost Research &

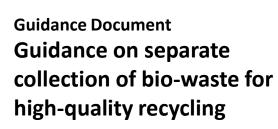
ECN Position Papers and Guidance



Position Paper Compost for the prevention of soil health and fertility

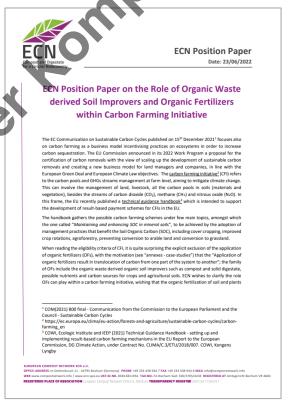
Info Paper Survey on carbon farming schemes including compost

Position Paper The role of recycled organic waste products within the Carbon farming Initiative











Further information



Sign the manifesto 'Save Organics in Soil':

www.saveorganicsinsoil.org





Visit ECN Homepage:

www.compostnetwork.info



https://www.compostnetwork.info/download/ecn-status-report-2022/