



Free Webinar: Food waste collections in the UK  
Thu, May 14, 2020 3:00 PM - 4:00 PM CEST

## Food waste collection and recycling in Italy



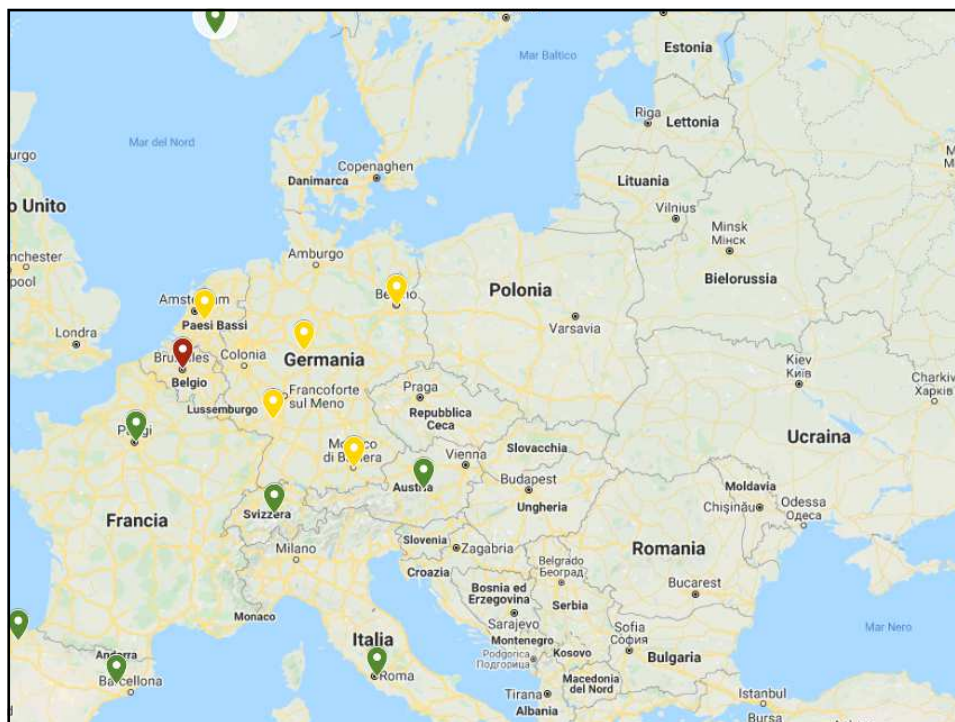
MR- 5,2020

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## WHAT HAPPENS IN OTHER EUROPEAN COUNTRIES AND CITIES



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## Spotligh on cities: Stavanger - NO

- Biowaste collected ½ weeks
- Bioplastic bags used
- Biogas facility IVAR Stavanger Grødalund
  - 140'000 tpa sludge
  - 60'000 tpa biowaste
- Digestate is used for soil mixtures

**IVAR** Vann Avløp Renovasjon

Forside | Gi gass! Fyll posen!

**Gi gass! Fyll posen!**

PUBLISERT 28.09.2018

Alle husstander i Stavanger, Sandnes, Sola, Randaberg, Klepp, Hå, Time, Rennesøy og Gjesdal har fått nye, resirkulerbare poser til å kaste matavfallet i.

De nye posene er større, sterkere, enklere å knytte, mer holdbare og holder bedre på fukt. Det gjør det enklere for deg å kildesortere og enklere for oss å produsere miljøvennlig biogass. De nye posene med matavfall skal kastes i brun dunk.

**Gi gass!  
Fyll posen!**



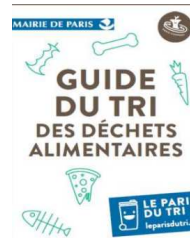
## Austrian Initiative «Bio-Kreislauf-Sackerl»

- Initiative led by the K&B Verband
- Liners and Shoppers to be compostable (13432)
- Liners for food and vegetables to be used for separate collection
- Certification is compulsory
- Standard labeling of food liners for better recognition



## Spotligh on cities: Paris - FR

- Collection started in 2017
- 2 Arondisements 160'000 inhab, 74'000hh
- Starter kit: kitchen caddy & bioplastic liners



## Spotligh on cities: Geneva - CH

- Test area with caddy & bioplastics (381'000 p)
- start in 2017
- Biowaste increased by 31%



source: <https://ogy.de/te8m>



**T'AS BEAU  
ÊTRE CASSÉ,  
BIENVENUE  
AU CLUB!**



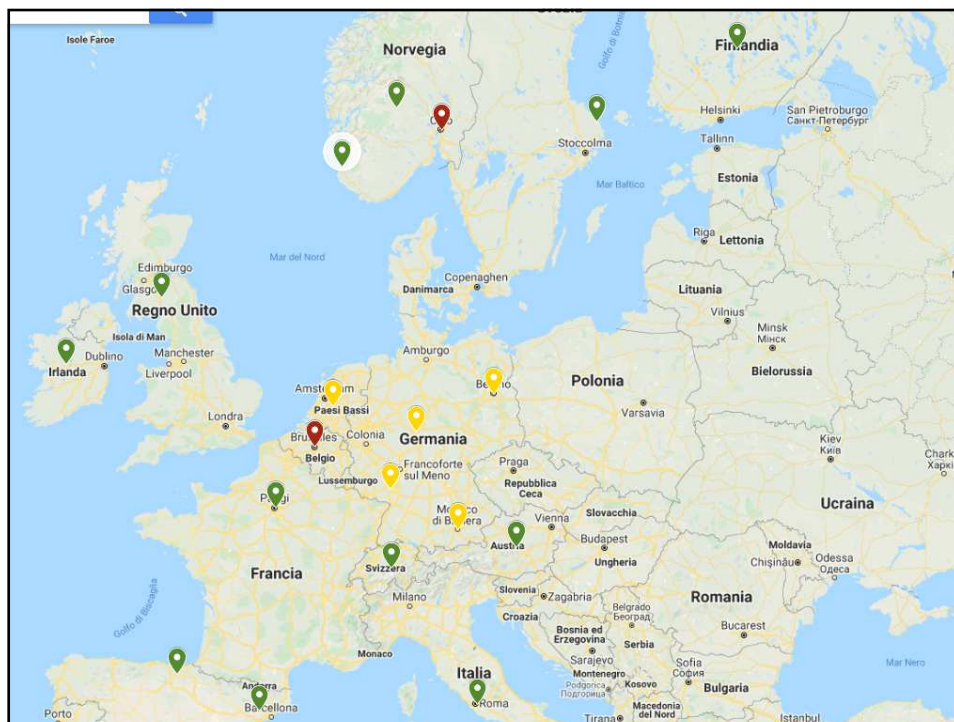
## Spotligh on cities: München - DE

- Kitchen caddies and compostable liners (pilot area 7200 HH)
- Frequencies convenient
- Door to door
- Amounts significantly increased (2x)
- Paper preferred/suggested by AWM



## Catalunja & Bask Country (Spain)

- Compostable liners and door to door collection
- RFID systems to trace services and verify the participation of HH



## RESULTS OF A GERMAN ASSESSMENT ABOUT THE QUALITY OF BIOWASTE



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### Outcome of a German survey

- Biowaste analysis in 13 Waste Management Districts (WMD):
- 514 waste analysis
- 2 Districts allowing the use of compostable liners
- 11 Districts not allowing the use of compostable liners

Erfassung von haushaltsstämmigen Bioabfällen und Qualität des Bioguts ,MuA 10-2018



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## Conclusions of the German survey

- **Use of compostable Liners:**

*Compostable liners (CLs) are used by HH in WMD in which CLs are not allowed;*

- **Do ban on CLs work?**

*WMD not allowing CLs → PE-bags are the majority of liners found in the separate collection of biowaste*

- **Do CLs drive PE-bags into the system?**

*No negative correlation to be found between impurities in the compost of a WMD and the use of CLs for biowaste*

BIOABFALL | SORTIERANALYSEN

### Erfassung von haushaltsstämmigen Bioabfällen und Qualität des Bioguts Auswertung von Biogut-Sortieranalysen

Collection and quality of kitchen-based biowaste  
Evaluation of sorting analyses

526 | Müll und Abfall 10·18

Even though the collection of biowaste in biodegradable bags is banned by many Municipal waste management authorities, many citizens use them despite this ban. It is obvious that in areas where biodegradable bags are banned, PE bags dominate the collection of kitchen-based biowaste. A closer look on the impurities in the biowaste of the investigated authorities reveals a wide range. However there is no negative correlation between the admission of biodegradable bags and impurities. The widespread fear that the admission of biodegradable bags leads to an increase in impurities could not be verified during the analyses. On the contrary, the admission of biodegradable bags resulted in less impurities in biowaste.



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**Grazie**  
**Thank you**

**Marco Ricci**

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