



Thematic Seminar #2: Innovative models for waste collection, prevention, and reuse and recycling

Overview



- Location: Antwerp, Belgium
- WINPOL partners, their stakeholders and ACR+ invited experts
- 8 Good Practices from partnership and stakeholders and 3 external
- Study visits



EUROPEAN WEEK
FOR WASTE
REDUCTION

Focus

3 blocks according to the waste hierarchy:

- Prevention (including awareness raising of citizens and businesses): 3 practices
- Waste collection: 4 practices
- Reuse and recycling: 4 practices



Good Practices (1)

Prevention

- Innovative Communication:
the CAPS Contest**

Drobeta Turnu Severin City Hall & Mehedinti County Council (RO)

Pupils in grades V-XII gathered as many PET caps as possible to make mosaics with them.



Recycling



Awareness raising
and communication



Prevention



- COOMIDA
*EMULSA (ES)***



Prevention

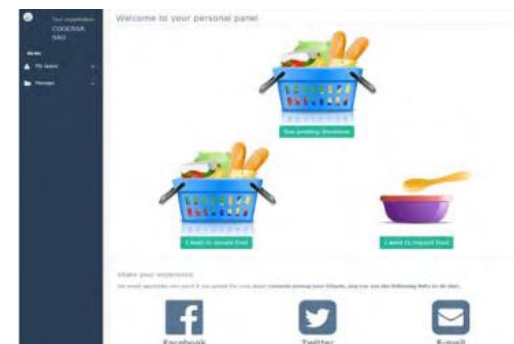


Food and
organic stream



Mobile app or
online tool

An innovative technological and cooperative tool to facilitate food donations (including surplus food), thus reducing food waste production.



Good Practices (2)

Prevention

- **G'scheit feiern –Party Smart**
Styrian Provincial Government (AT)



Prevention



Reuse



Eco-event

Under the heading “G'scheit feiern” (party smart) about 200 festivals are held in Styria per year, meeting criteria for waste prevention and regional origin of the food.



Good Practices (3)

Waste collection

- **Pop-up container parks**

City of Antwerp (BE)



Recycling



Collection



Awareness raising
and communication

A great opportunity for citizens of different neighbourhoods to dispose of their waste for free without having to go to the civic amenity site



- **Compact trash bin**

ERA (MT)



Collection



Equipment

A solar-powered compact bin that is smart, sensor-equipped, and compact waste automatically whenever full.



Good Practices (4)

Waste collection

- **Smart collection of Used Cooking Oil and transformation into biodiesel**

Region of Crete (GR)

An optimised used cooking oil collection system combining smart sensors and real time monitoring through a web-based platform.



Collection



Food and organic stream



- **Reverse separate collection**

Municipality of Apeldoorn (NL)

Reversed waste collection with pay-as-you-throw on residual waste and high service on sorting resources for less residual waste and high rate of recyclables



Collection



Tarification



Feedback to citizens



Good Practices (5)

Reuse and recycling

- **Reuse box**

Styrian Provincial Government (AT)

A new collection system for reusable small goods which often end up in the residual waste containers or whose material is only recycle



Reuse



Awareness raising
and communication



Collection



- **Second Chance**

SNAGA (SI)

Small marketplaces in the city are dying. Maribor needed a re-use centre. Two minus make a plus: Second Chance as a reuse activity on small marketplace.



Reuse



Awareness raising
and communication



Eco-event



Good Practices (6)

Reuse and recycling

- **Food 4 Feed: an innovative process for transforming hotels' food waste into animal feed**

Municipality of Heraklion (GR)

Development of an efficient network for the collection and transportation of hotel food waste associated to the optimisation of a solar drying pasteurisation process to produce animal feed.



Collection



Food and organic stream



- **Treatment of biodegradable waste in Mehedinti County**

Drobeta Turnu Severin City Hall & Mehedinti County Council (RO)

A system to address all elements of waste management: from waste prevention and waste collection to disposal of residue



Recycling



MBT plant



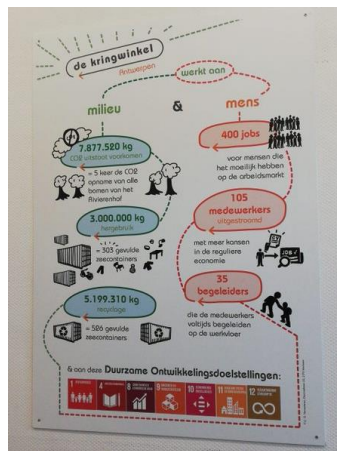
Study visits (1)

- **Umicore Precious Metals Refining**

One of the world's largest precious metals recycling facilities. This business unit of Umicore is the world market leader in recycling complex waste streams containing precious and other non-ferrous metals.

- **De Collectie (Merksem)**

5 non-profit organizations (De Kringwinkel Antwerpen, Oxfam, Wereld Missie Hulp, Kindervriend and Mensenzorg) working together to process textiles locally by social employment. The profit goes to charity projects in Antwerp and in third-world countries.



Study visits (2)

- **IVAGO Ghent**

The Council of Ghent has entered into force a retribution regulation based on the volume of waste and the frequency of depositing the bag or the bin at determined spaces in the pavement. IVAGO implements an innovative system fostering the Waste Hierarchy with the help of the Computer Controlled Kerbside Collection.



Conclusions

Successful exchange of experiences in all directions:

- Some practices and study visits directly inspired partners for their Action Plans:
 - Pop-up containers → Snaga
 - G'scheit Feiern → Mehedinti
 - Visit to Antwerp → Snaga, Malta, and Gijón
 - Visit to Ghent → Snaga
- External speakers interested in WINPOL partners' practices





WINPOL
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European Union
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Thank you

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