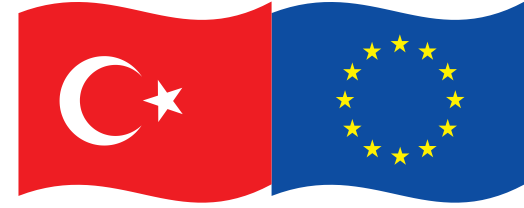


# Turkey Composts ! Composting Strategies in Urban Areas – Case of Brussels



Bu proje Avrupa Birliđi ve Türkiye Cumhuriyeti tarafından finanse edilmektedir  
This project is co-funded by the European Union and the Republic of Turkey

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**BRUXELLES ENVIRONNEMENT**  
IBGE - INSTITUT BRUXELLOIS POUR LA GESTION DE L'ENVIRONNEMENT



# Summary

Snapshot on today's situation

The Good Food Strategy

Reduction and valorisation of kitchen wastes in Restaurants

Our partner for decentralized composting : Worms Asbl

Community composting

Home composting

Biorganic : household kitchen waste collection

Household garden waste collection

PREC (Regional Circular Economy program)

Phosphore : towards a sustainable system for organic wastes in Brussels

Applying the lansink scale to organic wastes

Avoid our mistakes => go green !



# Today's situation in Brussels' Region

## PREVENTION



Trainings :



- Fridge Masters (7)
- Garden Masters (129)
- Compost Masters (240)

## MANAGEMENT

Decentralized (16 500 T/y)

- Community composting
- Home composting
- Garden
- Apartment



148 sites  
60kg/hab/y

Centralized (door to door collection)

- Garden waste (30 000T/y)
- Kitchen waste (new)

## PROJECTS

Circular Economy  
Regional Program



PHOSPHORE  
Participative Research

NOT MANAGED



« Energy recovery »

160 000 T/y



50% of residual waste are organic wastes

# GOOD FOOD STRATEGY

TOWARDS A  
SUSTAINABLE FOOD  
SYSTEM IN THE  
BRUSSELS CAPITAL  
REGION



**GoodFood**

MIEUX PRODUIRE, BIEN MANGER  
BETER PRODUCEREN, GOED ETEN

.brussels



# RESPECT YOUR FOOD

## 1. REDUCE FOOD WASTE AT SOURCE

➤ Target : 30% reduction in food waste by 2020

### Households:

- develop **practical information tools**
- « Good Food » **training courses** which take into account this fight against waste.

### Canteens:

- Integrate and reenforce fight against food waste in the « **canteen Good Food** » program
- Develop **educational tools** for schools

### Retailers

- Support and help supermarkets to go further to reduce foodwaste
- 100% of the supermarkets in the Brussels-Capital Region working with at least one food aid association to recover unsold food.

[http://document.environnement.brussels/opac\\_css/elecfile/BRO\\_GoodFood\\_Strategy\\_ENGL.pdf](http://document.environnement.brussels/opac_css/elecfile/BRO_GoodFood_Strategy_ENGL.pdf)



**GoodFood**  
MIEUX PRODUIRE, BIEN MANGER  
.brussels

The Region has chosen the "Good Food" concept to talk about the transition to a more sustainable food system. The subtitle "produce better, eat well" places the focus on the strategy's priorities.

### PRODUCE BETTER

Local and good quality food

Healthy and environmentally-friendly products

### EAT WELL

Food associated with pleasure and well-being

Local products accessible to all balanced meals

# RESPECT YOUR FOOD

## 2. RECYCLE UNSOLD FOOD

### Households:

Leading a pilot action to recover locally food surplus non eaten by households

### In restaurants

Promote **rest-o-pack** via pilot action around 50 restaurants

### Retailers

- 25% increase of transformed recovered unsold food

[http://document.environnement.brussels/opac\\_css/elecfi/e/BRO\\_GoodFood\\_Strategy\\_ENGL.pdf](http://document.environnement.brussels/opac_css/elecfi/e/BRO_GoodFood_Strategy_ENGL.pdf)



The Region has chosen the "Good Food" concept to talk about the transition to a more sustainable food system. The subtitle "produce better, eat well" places the focus on the strategy's priorities.



## Reduction and valorization of food waste in Brussels' restaurants



# OUR PARTNER for DECENTRALIZED COMPOSTING : WORMS

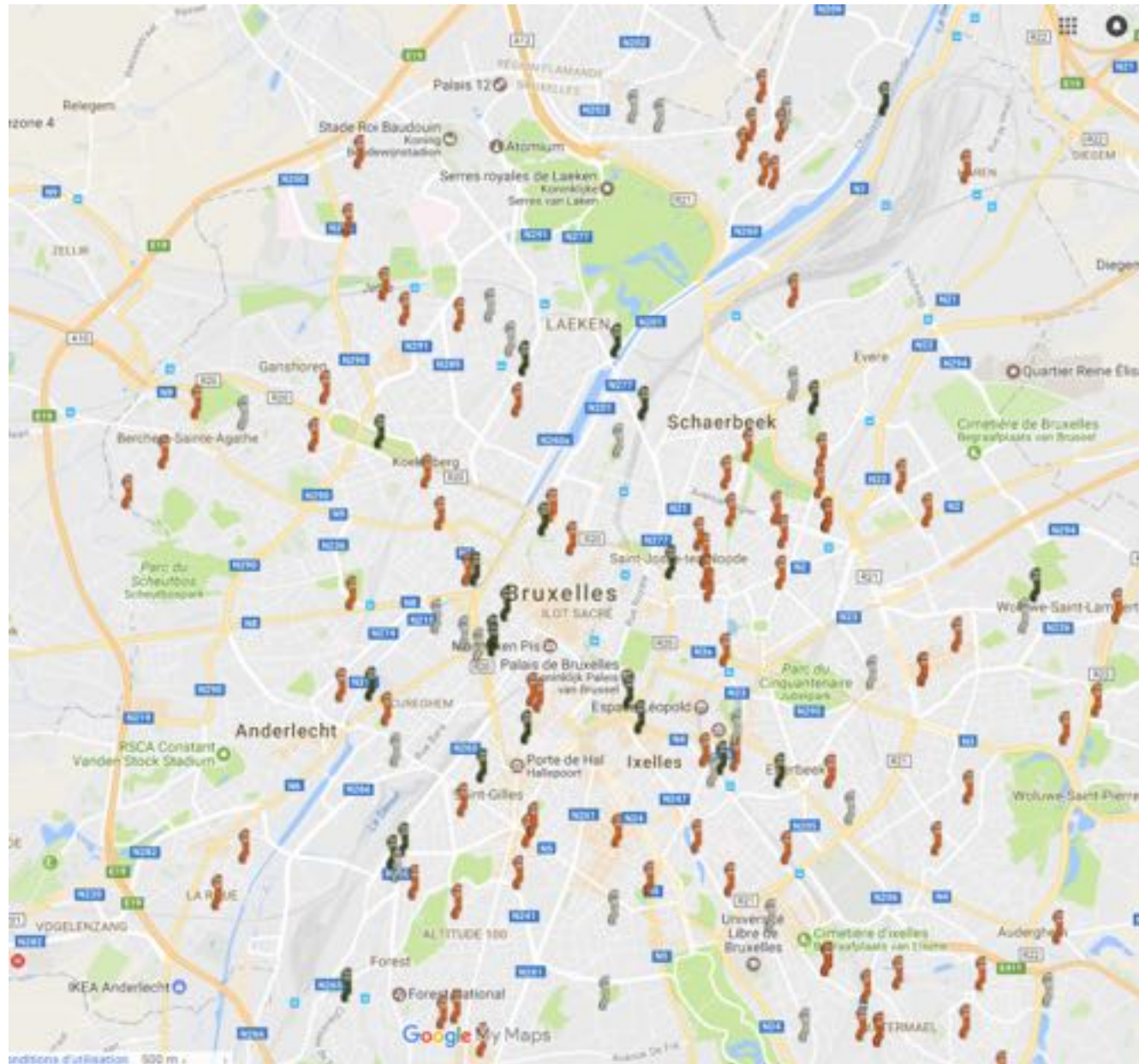
Missions (via Public Procurement) :

- Awareness raising
- Hotline and on site help
- Animation of the Compost Masters Network
- Composting training :
  - ✓ Composting in a garden
  - ✓ Composting in a flat (vermicomposting)
  - ✓ Community compost
  - ✓ Composting at school
  - ✓ Composting for professionals
  - ✓ Master-Compost training



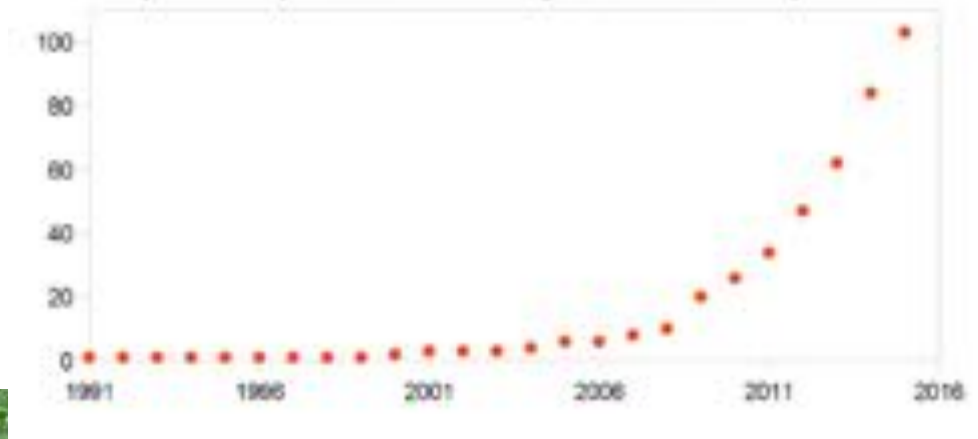
# Community Composting

- 148 community composting sites
- A call for project every year to help communities to start their own site (1000€/laureat to help buy tools)
- A hot line and on site help all year round
- A compost master network to help run composting sites
- Training at every level



# Community Composting

Evolution du nombre de composts collectifs et de quartier répertoriés par WORMS en Région Bruxelles-Capitale



Picture from our partner : Worms ASBL





Pictures from our partner : Worms ASBL





# Home Composting

- help-desk and guidance
- Composting guides
- Some communes help citizen to buy their composting tools
- Training



## 2. BIEN GÉRER SON FÛT



1. Pour bien aérer les matières et les mélanger, utilisez toujours une tige aératrice. À enfoncer dans la compostière, une à deux fois par semaine en 4 ou 5 endroits différents, et en tourner d'1/4 de tour avant de la remonter.
2. Compost mi-mûr dans lequel les vers présents en abondance sont très actifs.
3. Compost mûr après 6 à 12 mois.
4. Au démarrage, placez une couche épaisse d'environ 10 cm de branchages, de paille ou de copeaux de bois au fond du fût permet une aération par le bas.
5. Les compostières avec fond sont à placer sur des dalles ou une palette afin d'éviter que celui-ci ne s'enfonce dans le sol, ce fonde ou que ses trous d'aération ne se bouchent.

## 3. BIEN GÉRER SON SILO

1. Mélangez les matières dans le 1<sup>er</sup> bac avec une fourche ou une tige aératrice. À enfoncer dans la compostière, une à deux fois par semaine en 4 ou 5 endroits différents, et la tourner d'1/4 de tour avant de la remonter. Dans ce 1<sup>er</sup> bac se déroule la phase de remplissage et de transformation des matières.



2. Une fois le 1<sup>er</sup> bac rempli, transférez-en le contenu dans le 2<sup>e</sup> bac. Cette manœuvre permet d'aérer proprement et assainir les matières en cours de compostage et d'humidifier le compost si nécessaire. À chaque transfert, les micro-organismes redeviennent actifs et la température monte. Dans ce 2<sup>e</sup> bac se déroule la phase de maturation.
3. Couvrez le dernier bac afin d'éviter une perte d'humidité et des éléments fertilisants du compost. Celui-ci est mûr après 6 à 9 mois.

## Be organic : household kitchen waste collection pilot

- Voluntary pilot project
- Door to door collection scheme (collection 1/week)
- Anaerobic digestion



## Household garden waste collection


- Door to door collection scheme (collection 1/week)
- Centralized composting
- 30 000 T/year



# PREC - Régional Circular Economie Program

Tool : to stimulate economic activity and job creation around environmental activities

Be Circular :

- A call for projects 
- >100 candidates
- A few projects around organic wastes
  - ⇒ (semi)-industrial synergies to valorize organic wastes

*Organic wastes from a brewery => substrate to grow mushrooms => compost for a farm*

⇒ Close loops and reverse logistics

*Vegetable producer taking green wastes back from their costumers to produce a high quality compost*



# Participative research : Phosphore – towards a sustainable system for organic wastes in Brussels

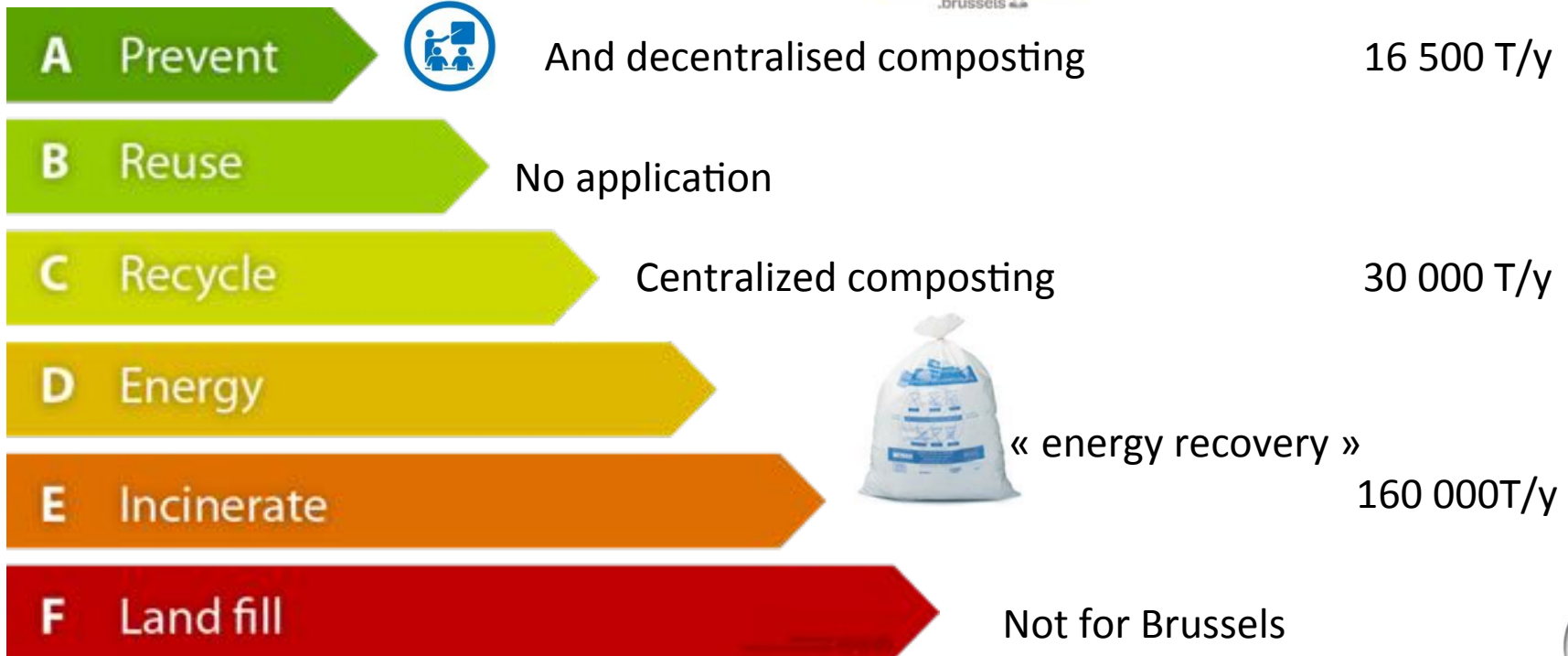
- Participative  
(Universities, local  
Authorities, NGOs,  
citizen...)
- Closing the loop at a  
local scale (centralized  
and decentralized  
solutions)
- Urban agriculture
- Living labs
- Waste Management  
Plan



# Applying the Lansink scale to organic wastes



(Brussels today)



# Avoid our mistakes => Go Green !!!

Why invest in the lower steps first?  
Start right at the top !



(Brussels today)

A Prevent

- Cheaper, technically simple
- Produce quality compost (avoid contaminant)
- think product and not waste management
- Capitalize on volunteer local schemes

C Recycle

D Energy

E Incinerate

=> Expensive process, burning water,  
losing valuable resources



# Avoid our mistakes => Go Green !!!



Turkey tomorrow ?

A Prevent

C Recycle

F Land fill

 **LOVE**  
**FOOD**  
hate waste

- Avoid **food waste !**
- **Reduce** organic waste
- Promote **collective and individual composting**

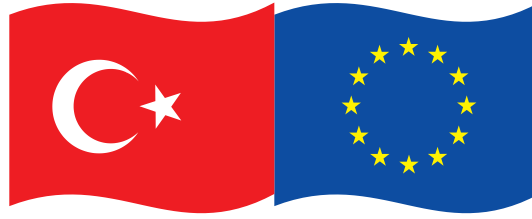


## Centralized composting of garden waste

- Technically simple
- Produce a good compost
- Avoid plastic and contamination
- Start with voluntary scheme
- Show (share) compost with citizen

Avoid Landfill





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**Thank you for your time**

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<http://www.environnement.brussels/>

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