PREVENTING FOOD WASTE IN CATALONIA

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ECOWASTE4FOOD Interreg Europe
Workshop 1. Session 1
Barcelona, 1st March 2017
1. The Catalan Waste Agency

2. The Diagnosis of Food Waste in Catalonia

3. Actions in Catalonia
   - Communication campaign
   - Education / Capacity building / Awareness raising
   - Support to pilot projects

4. The future
The **Catalan Waste Agency** (ARC) is a **public company** within the Ministry of Territory and Sustainability of the Government of Catalonia.

Catalonia has many delegated environmental competences, like waste planning, management, inspection, etc..

The ARC is responsible for the waste generated in Catalonia and for those who manage waste within Catalonia. It deals with waste of the following types: industrial waste, municipal waste (MSW), construction and demolition waste, waste from agriculture and livestock, sanitary waste and soil recovery.

193 people working for a better waste and resources prevention and management in Catalonia.
The Diagnosis of Food Waste in Catalonia (2010)*

* Waste from wholesale distribution, the agrifood industry or the primary sector not considered in the study
Information collection procedure and source of data

Selection of standard municipalities

Characterizations:
- Non-segregated fraction circuits
- OFMSW circuits

Total food wastage

Restaurants and institutions

Food consumption statistics for Spain

Homes

Surface area and refuse collection statistics:
- URBASER BCN
- Commercial establishment surface area
  Barcelona Yearbook

Municipal markets

Surface area and refuse collection statistics:
- URBASER BCN

Supermarkets and grocery stores

Surface area and refuse collection statistics:
- URBASER BCN

Shops (other)

Surface area and refuse collection statistics:
- URBASER BCN
  Territorial Sector Plan for Shop Facilities
How much food goes to waste in Catalonia?

262,471 TONNES OF FOOD WASTAGE

34.9 KG PER PERSON PER YEAR

FOOD WASTAGE FIGURES FOR CATALONIA (2010)

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Waste (tonnes)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Markets</td>
<td>3,671</td>
<td>1%</td>
</tr>
<tr>
<td>Supermarkets and grocery stores</td>
<td>42,987</td>
<td>16%</td>
</tr>
<tr>
<td>Other food shops</td>
<td>23,391</td>
<td>9%</td>
</tr>
<tr>
<td>Restaurant and catering sector</td>
<td>30,976</td>
<td>12%</td>
</tr>
<tr>
<td>Institutions</td>
<td>9,574</td>
<td>4%</td>
</tr>
<tr>
<td>Households</td>
<td>151,872</td>
<td>58%</td>
</tr>
</tbody>
</table>
Results

What is the impact of food wastage?

- Total economic loss: **841 M€** in Catalonia (2012)
- Ecological footprint: **234,022 hectares** or 20% of the total agricultural land in Catalonia
- Greenhouse gas emissions: **520,700 tonnes of CO2 eq** in 2010 (equivalent of emissions from 20,300 motor vehicles throughout their working life)

The diagnosis included a total of **23 proposed actions** for each of the following sectors:
- Administration
- Production and manufacture
- Distribution
- Restaurants and catering
- Homes
The guide

Published in 2012
Available at:
Actions in Catalonia

- Communication campaign
- Education / Capacity building / Awareness raising
- Technical and economical support for local projects
Communication campaign

SOM GENT DE PROFIT

WE ARE FOOD WISE
Communication campaign

THE TRAVELLING EXHIBITION

- Explains the origin of waste and how we can prevent it. It is complemented with a practical workshop

TV PROGRAMME (11 chapters)

- Each spot (3’) approaches the issue from a different angle using well-known celebrities
Communication campaign

VIDEO CLIP

APP

THE WEB

INSTAGRAM (15’’ animations)

somgentdeprofit.cat
Education and capacity building

Publication of education material for schools and restaurants

Conferences and seminars
6th European Week for Waste Reduction (LIFE Project)

- Held from 22nd to 30th November 2014 all over Europe
- Actors involved: public authorities, companies, schools, associations and citizens.
- Results for 2014: 11,995 actions (871 Catalan actions) and 34 regions in Europe
- Prevention Thematic Days 2014 focused on Stop Food Waste
  - 8 Data sheets describing actions and communication tools
  - 2 Calculators for restaurants/canteens and for homes
  - 339 Catalan actions with 26,427 participants and 6,527 kg avoided waste
- 172 Eco-restaurants tested a pilot Toolkit obtaining a reduction of 4kg per week and establishment.
Support for local projects:

- **Subsidies for projects to prevent municipal waste**

<table>
<thead>
<tr>
<th>Total beneficiaries for projects to prevent waste</th>
<th>Beneficiaries for actions to prevent food waste</th>
<th>Total amount for projects to prevent waste</th>
<th>Amount for actions to prevent food waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>89</td>
<td>34</td>
<td>1.838.494,01</td>
</tr>
<tr>
<td>2016</td>
<td>72</td>
<td>34</td>
<td>1.425.640,72</td>
</tr>
<tr>
<td>Total</td>
<td>161</td>
<td>68</td>
<td>3.264.134,73</td>
</tr>
</tbody>
</table>

- **Subsidies for projects to promote circular economy**

Support for local projects: some examples...

**Plataforma Aprofitament els Aliments (PAA)**

The PAA is an association made up of individuals and entities linked to the prevention of food wastage. Networking, bringing all stakeholders in the food chain (producers, companies, organizations, consumers ...) to find common solutions to the problem of food waste. (http://aprofitemelsaliments.org/es/)

‘Remenja’mmm’

Led by Rezero, Resource Bank Fundation, Nutrition without Borders and the team of GSR, “Remenja’mmm” is a campaign for restaurants and hotels committed to society and the environment to reduce food waste and to add sustainability. (www.rezero.cat)
Support for local projects: some examples...

**Nutrition without borders: Barcelona shares its food**

Recovering the surplus cooked food that is generated in 11 Hotels and 15 food companies in the city of Barcelona, for its distribution to 13 charity organizations (http://www.nutricionsinfronteras.org/bcncomparteixelmanjar)

**Espigoladors: It’s im-perfect**

Gleaning project of discarded fruits and vegetables for its transformation into food products or direct consumption for groups at risk of social exclusion (http://www.espigoladors.cat/)
Support for local projects: some examples...

Pont Alimentari

Promoted by Rezero and Resource Bank Fundation, the “Pont Alimentari” is project to reduce food waste in the stages of production, consumption and distribution of food, through an environmental education campaign addressed to caterings, restaurants and food retailers, based on the values of solidarity and exploitation of natural resources.

(http://www.pontalimentari.org/)

Gestió Alimentària

Leaded by the city of Reus, the Taller Baix Camp and Caritas Interparroquial of Reus, the programme “Gestió Alimentària” (Food Management) collects, sorts and delivers fresh and cooked food from supermarkets, Camp Market, retailers and caterings to food distribution caritative centers in the city.

(http://www.reus.cat/serveis/gestio-alimentaria-responsable)
The future


General Targets

[4a.1] To effectively reduce the total primary waste generation and, specifically, to achieve a 15% weight reduction in waste generation by 2020 in respect of the 2010 figure.

[4a.2] To set specific waste generation reduction targets by the end of 2018 for flows or sectors that may be specific.

Specific targets for Biodegradable organic waste (food wastage)

[4b.1] Reducing food wastage by 50% in 2020 compared with 2010 in the retail, hospitality, catering and domestic sectors.

[4b.2] Establishing, by the end of 2018, food wastage reduction targets for the primary and agrifood sectors, including wholesale distribution.
Next steps

• **Diagnosis** of food wastage in the primary, agrifood and wholesale distribution sectors (scheduled for 2017). Now developing methodology.

• Continuous monitoring of the generation of food wastage in:
  • the organic fraction of municipal waste (ongoing)
  • non segregated fraction of municipal waste

• Continuation and rolling-out of the **WE’RE FOOD WISE** campaign

• Continuation of the "**Schools against food wastage**" project, in particular with the goal of carrying out a pilot project in schools

• **Grants for prevention projects** (local bodies, not-for-profit organisations and universities) giving priority to food wastage prevention actions

• Law proposal on prevention waste
Thank you very much!

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