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OF CITIES
AND REGIONS
FOR RECYCLING
AND SUSTAINABLE
RESOURCE
MANAGEMENT



Good practices for bio-waste prevention

Final Conference of the MINIWASTE Project, Rennes (France)

Philippe Micheaux Naudet, ACR+, Wednesday 21 November 2012





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ACR+: an international network of public actors active in waste and sustainable consumption



95 members

23 countries

1400 local and regional authorities

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1. A little bit of European context

2. The Miniwaste inventory of good practices





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A little bit of context: What is bio-waste prevention?

Directive EC/2008/98 (“Waste Framework Directive”)

Article 3:

“Waste Prevention” means ...measures taken before waste is created ...including the re-use of products that reduce:

- a) the quantity of waste
- b) the adverse impacts of generated waste
- c) the content of harmful substances in the waste

Means:

- ▶ Strict avoidance (e.g. right sized portions)
- ▶ Reduction at source (e.g. home composting)
- ▶ Reuse (e.g. reusing wood branches to build fences)



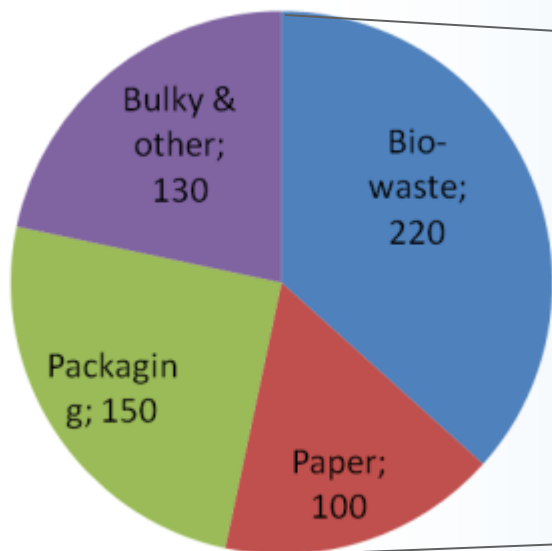


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ACR+ -100 kg benchmark: Waste prevention is possible

Waste generation EU 15 in kg/inh/y



600 kg/inh/y
in the
Netherlands,
Austria, etc.

Waste generation EU 15 in kg/inh/y (with prevention)



**-100 kg or
-15%**

600 kg/inh/y



500 kg/inh/y





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ACR+ -100 kg benchmark: Examples show that it is possible



	Bio-waste generation (kg/inh./y)	Potential bio-waste quantitative benchmark (kg/inh./y)
Bio-waste	220	40
→ Green scaping		10
→ Smart gardening		10
→ Smart food consumption		10
→ Home, community & on-site composting		20



European campaign for waste reduction





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The European Week for Waste Reduction



- **Awareness raising on waste prevention**
 - More than 10,000 actions registered in 2012
 - Ideas, tips and methodologies
 - Awards highlighting the best actions
- **Multiple levels involved**
 - LIFE+ programme (launch of EWWR in 2009), European partnership, Technical Secretariat (ACR+)
 - National, regional or local coordinators (decentralised approach)
- **For European citizens**
 - in the office, at school, in shops, etc.



www.ewwr.eu and [Facebook page](#)

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2. The Miniwaste inventory of good practices





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The Miniwaste inventory of good practices



Methodology

→ Inventory of 10 good practices identified in Europe

- ▶ Home composting (Piemonte, Kent, LIPOR, Chambéry)
- ▶ Community composting (Flanders, Zürich)
- ▶ On-site composting (Freistadt)
- ▶ Fight against food waste (WRAP – UK)
- ▶ Closed loop gardening (Flanders)
- ▶ Reuse (Flanders)

→ Detailed factsheets

- ▶ Local context, objectives, instruments, stakeholders, results, success factors, etc.

→ Conclusions and annexes

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The Miniwaste inventory of good practices



Home composting: Kent (UK)

→ Targets:

- ▶ 18,500 tonnes from 103,000 bins sold.
- ▶ Minimum 250 active compost advisors.

→ Initiative involving stakeholders at early stage, identifying targets (schools), relying on urban characteristics (gardens) and in collaboration with national networks (WRAP, etc.)



→ Results (2008):

- ▶ 70,000 composting bins sold (estimation of 10,500 tonnes composted)
- ▶ 34% of population compost at home
- ▶ 200 compost advisors





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Home (and community) composting: Chambéry (France)

→ Targets:

- ▶ Involve 11,000 households
- ▶ Diversion of 1,100 tonnes of bio-waste from incineration
- ▶ Decrease waste generation by 7% by 2014 (compared to 2010 figures).



→ Comprehensive approach covering home composting, community composting (schools, buildings, parks) and proximity composting

→ Results (2008):

- ▶ 12,000 households practicing composting (27% of population)
- ▶ 1,300 tonnes diverted from incineration





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On-site composting: Freistadt (Austria)

→ Objectives:

- ▶ Removal of compostable waste from residual waste and use of the compost as fertiliser
- ▶ Involvement of farmers (new source of income)

→ Farm composting plants feeded with a system of selective household bio-waste collection by farmers; support waste fee



→ Results:

- ▶ 9,550 tonnes composted per year
- ▶ Creation of 12 jobs





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Closed loop gardening: Flanders (Belgium)

→ Targets (2015):

- ▶ 42% of citizens participate actively in home composting
- ▶ 25% of skilled citizens practicing home composting (treating at least half of their bio-waste)



→ Comprehensive approach to reduce green waste (grass cycling, greenscaping and composting)

→ Results (2006):

- ▶ 41% of population practicing composting
- ▶ 34% of people composting in a qualitative way
- ▶ 68% of population involved in one or another form of CLG





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“Love Food Hate Waste” campaign: UK (WRAP)

→ Target: Reduce the amount of food thrown away by 155,000 tonnes by 2010



→ National campaign / local implementation to raise awareness on food wastage reduction (branding, cooking demonstrations, trainings, collaborative website, etc.)

→ Results: less 2.2 kg/hhd/week thrown away for people attending to the training (compared to 4.7 kg/hhd/week)



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A few conclusions and recommendations

- No magic formula but a **clear and comprehensive strategy** (local waste prevention programme) can achieve significant results
- **Quantitative targets** and proper **monitoring** are needed to follow the results of the action
- **Budgets** to run the bio-waste prevention schemes should not be underestimated (subsidies, pilot action going to full-scale, etc.)
- Bio-waste prevention schemes need the involvement of **relay actors** (eg: voluntary master composters) and relevant **stakeholders**
- **Local authorities need to give the example**
- **Information and sensitization** is key to change citizens' behaviour
- **'Pay as you throw'** (PAYT) helps to reduce bio-waste





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Thank you for your attention!

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