



INTHERWASTE
Interreg Europe



European Union
European Regional
Development Fund

Good Practice

Home composting support scheme

Name: Susana Freitas

Position: Project Manager

Email: susana.freitas@lipor.pt

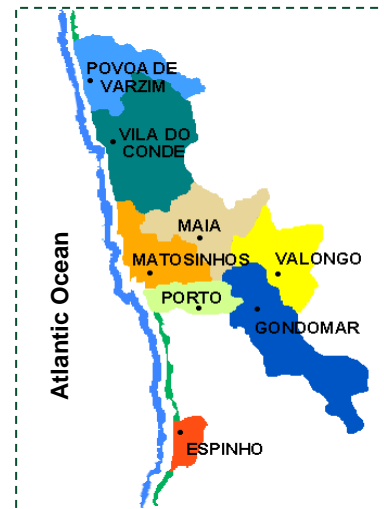
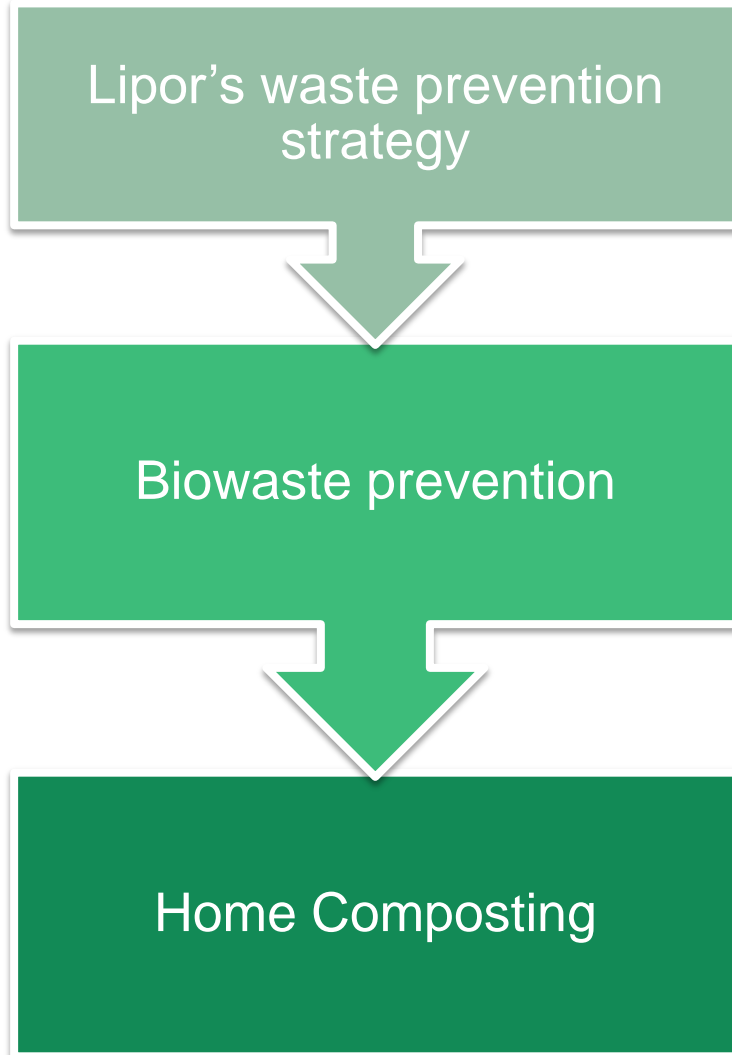
13 June 2018, Cordoba (Spain)

Thematic Seminar on Waste Minimization in Heritage Areas

Home composting support scheme

- Biowaste Prevention
- Home Composting Scheme
 - Scope and Different solutions for different needs
 - How we do it
 - Solution 1: Home composting
 - Solution 2: Wormcomposting
 - Solution 3: Community Composting
 - Composting support
 - Environmental impact monitorization of the home composting scheme
 - Key factors

Biowaste prevention



In 2017, in the LIPOR area, about **500 thousand tons of urban waste were produced**. Of these more than **100 thousand tons (20%) were food waste** and **20 thousand tons were selectively collected (20% of produced food waste)**.

Home Composting Scheme

Scope

Promote organic waste reduction at households, institutions and companies of the Porto Municipality, as part of an integrated waste management strategy.

Different solutions for different needs

- Households and Institutions:
 - With small green areas: compost bins
 - Without green areas:
 - Community composting (on designated green areas)
 - Wormcomposting



Key factor: involve the local community (for example, using community gardens as a complement)

Home Composting Scheme

How do we do it?

- Workshops on composting/wormcomposting (promoted and held locally)
- Help citizens choose the appropriate process adoption for each scenario
- Free equipment (compost bin/wormcomposter)
- Composting support - helping citizens with composting process problems remotely or with an *on-site visit*
- Environmental impact monitorization of the home composting scheme

Home Composting Scheme

Solution 1: home composting



Small home-garden with compost bins

Home Composting Scheme

Solution 1: home composting



Raised beds built on terraces and balconies to allow composting and food production - compost bins

Home Composting Scheme

Solution 1: home composting



Roof
composting
with home
composting

Home Composting Scheme

Solution 2: Wormcomposting



Wormcomposters on terraces or balconies

Home Composting Scheme

Solution 2: Wormcomposting



Wormcomposting on Growbed-Noocity™ on a roof (ongoing experiment)

Home Composting Scheme

Solution 3: Community Composting

- When the participant does not have his/her own space - or conditions - for placing the compost bin or the wormcomposter, community composting is implemented.
- Community composting works by placing a compost bin on a public area/garden or on common gardens (for example: apartment buildings, public green spaces...). A person is nominated the “composting master” and he/she has the responsibility of controlling the compost process as the community places the organic waste buckets near the compost bin.
- When possible, we complement the community composting with community organic gardens.

Home Composting Scheme

Solution 3: Community Composting



Public green areas with community composting for the surrounding community.



Community composting on a “ilha” in Porto

Home Composting Scheme

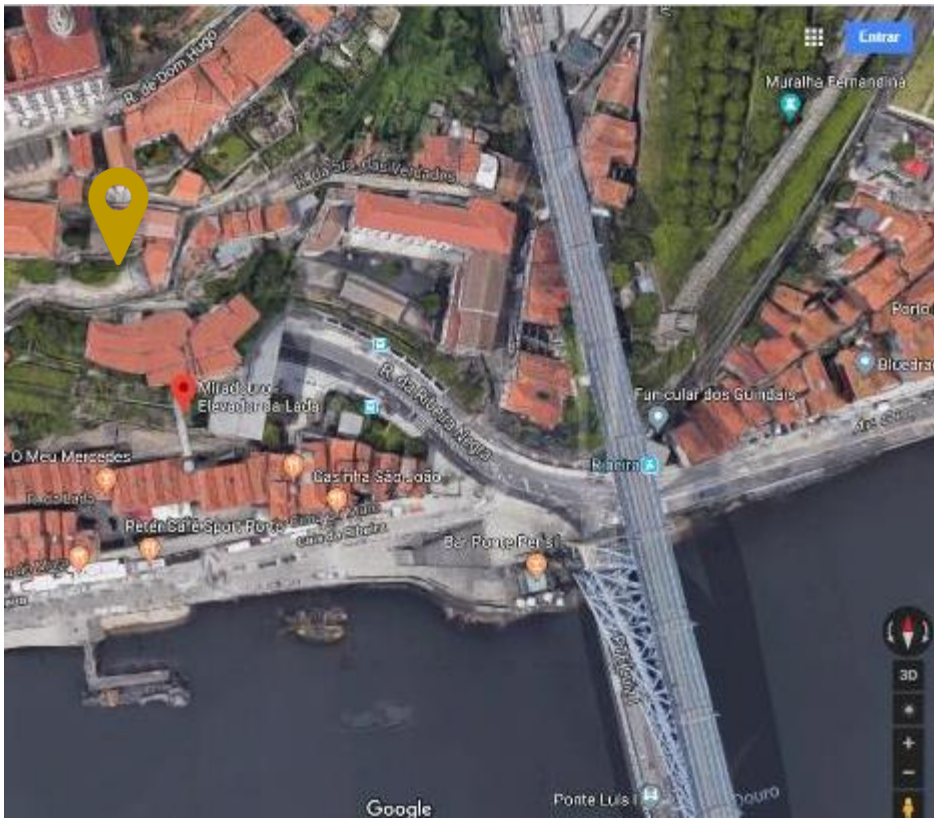
Solution 3: Community Composting



Community Composting in a small neighbourhood.

Home Composting Scheme

Solution 3: Community Composting



Community composting as a complement to community gardens

Home Composting Scheme

Composting support



On-site visit/support

FICHA DE ACOMPANHAMENTO		COMPOSTAGEM	TERRA & TERRA
IDENTIFICAÇÃO			
CÓDIGO COMPOSTOR _____		MUNICÍPIO/LOCALIDADE _____ Nº INSCRIÇÃO _____	
NOME _____		VIA _____ Nº _____	
ÁREA DE TERREIRO			
<input type="checkbox"/> SUPERIOR A 200 M ² <input type="checkbox"/> INFERIOR A 200 M ²		ÁREA EMBRASADA (COM PLANTAS) _____ M ² ÁREA JARDIM (COM PLANTAS) _____ M ² ÁREA PAVIMENTADA _____ M ²	
ACABADO PAREDES _____			
Processo			
COMO SE REALIZA O COMPOSTO? <input type="checkbox"/> EM COMPOSTEIRO <input type="checkbox"/> NÃO <input type="checkbox"/> PESO BALDE _____ KG ... DO JARDIM? <input type="checkbox"/> SIM <input type="checkbox"/> NÃO _____ ... DA COZINHA? <input type="checkbox"/> SIM <input type="checkbox"/> NÃO _____			
PRECISAR DE REGAÇÃO NOS SEUS VEGETAIS? <input type="checkbox"/> SIM <input type="checkbox"/> NÃO (JARDIM) <input type="checkbox"/> NÃO (LAJOTA) FAZ SEPARAÇÃO DE RESÍDUOS PARA O COMPOSTO? <input type="checkbox"/> SIM <input type="checkbox"/> NÃO _____ USA PRODUTOS QUÍMICOS NO SEU ESPAÇO VERDE? <input type="checkbox"/> SIM <input type="checkbox"/> NÃO <input type="checkbox"/> ÀS VEZES _____			
COMPOSTAGEM			
Nº de COMPOSTEIRO: 1º _____ 2º _____ 3º _____ LOCALIZAÇÃO: <input type="checkbox"/> SOA <input type="checkbox"/> SOT <input type="checkbox"/> SOT/TERREIRO <input type="checkbox"/> SOT/ALVARADO		PARTICULAR: _____ VERBOSAMENTE: _____	
COMPOSTAGEM			
ESTÁGIO <input type="checkbox"/> INICIANDO <input type="checkbox"/> EM PRODUÇÃO <input type="checkbox"/> BASTANTE		FASE DE COMPOSTO <input type="checkbox"/> EM PRODUÇÃO <input type="checkbox"/> EM PRODUÇÃO <input type="checkbox"/> PRODUÇÃO UTILIZAÇÃO	
QUANTIDADE COMPOSTO <input type="checkbox"/> BOM <input type="checkbox"/> MÉDIO <input type="checkbox"/> BAIXO <input type="checkbox"/> NÃO APLICÁVEL		CARACTERÍSTICAS DO MATERIAL COMPOSTO <input type="checkbox"/> FÉRMIDE COZINHA <input type="checkbox"/> NÃO <input type="checkbox"/> MÚLDO <input type="checkbox"/> MUI-CHERO <input type="checkbox"/> CHERO AGRIÍVEL <input type="checkbox"/> NÃO <input type="checkbox"/> HOMOGENEO <input type="checkbox"/> HETEROGENEO <input type="checkbox"/> NÃO	
CARREGAMENTO DE ANIMAIS: <input type="checkbox"/> EQUINO <input type="checkbox"/> BOVINO <input type="checkbox"/> OVINOS <input type="checkbox"/> CAPRINO <input type="checkbox"/> SUÍNO			
OBSERVAÇÕES:			
MUNICÍPIO PARTICIPANTE		MUNICÍPIO MANTENEDOR	
		lipor	

Monitoring home composting sheet (includes bucket weight)

Home Composting Scheme

Environmental impact monitorization of the home composting scheme



Estimation of OW deviation by equipment

Wormcomposter = 273,3 kg/year

Compost bin = 423,3(kg/year)

Porto.

39 Wormcomposters
2 052 Compost bins

Porto Municipality
Deviation Estimation of biowaste for
the home composting scheme :
879,27 ton/year0

Home Composting Scheme

Key Factors

Active promotion through different communication channels (website, Facebook, GoogleGroups and also fairs, shopping malls and conferences)

Excellent team work in the office and on the field

Partnerships with different stakeholders for composting implementation and promotion

Policy of proximity communication with partners and citizens

Flexibility to adapt the project to the local reality and the citizens' needs

Continuous training and support for participants

Full believe and knowledge that our job is contributing to a sustainable present and future.





INTHERWASTE

Interreg Europe



European Union
European Regional
Development Fund

More information at:
www.lipor.pt | www.cm-porto.pt



Project media