



GOOD PRACTICE GREATER PORTO AREA:

R+: PEOPLE FRIENDLY EQUIPMENT

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1. GENERAL INFORMATION ON THE GOOD PRACTICE (GP)

1.1 General information

Region	Porto
Country	Portugal
Short name of the good practice	R+: People Friendly Equipment
Geographical level of implementation (country, region, municipality...)	At the moment regional, but we have expectations to get the national level.
Target group	People with disability or incapacity. The equipment is for universal use (we want that everyone use the new model of eco container)
Date of implementation/duration	We are working on this project since 2010
Waste stream (and subcategory)	Paper and Cardboard Glass Plastic and metal packaging
Legal framework	European Standard – EN 13071-1 Decree Law no. 163/2006 of August 8 th (Portugal)
Main local instruments involved	
Scale (pilot/partially roll out /roll out)	We are in the last phase of the project
Initiator/coordinator	LIPORE – Intermunicipal Waste Management of Greater Porto
Demography	
Population	Porto: ≈ 1.000.000 inhabitants Portugal: ≈ 10.000.000 inhabitants

Number of households	≈ 330.000
Area (km ²)	648
Population density (number of inhabitants/km ²)	1.543
General waste data (Not necessarily related to the GP but to give some background information. Data about the GP should be included under 3.1)	
Year of the following waste data	2013
Sum of all waste streams excl. residual & bulky waste (kg/inhabitant/year) (Use indicator 1 or 2 from the R4R Online Tool)	88 kg/inhab/year
Residual waste (including sorting residues) (kg/inhabitant/year) (Use indicator 8 or 9 from the R4R Online Tool)	383 kg/inhab/year
Total waste (add up the previous two)	<ul style="list-style-type: none"> MSW Production 473.431,37 ton 1,30 kg/inhab/day
Sum of all waste streams excl. residual & bulky waste to DREC (kg/inhabitant/year) (Use indicator 3 of the R4R Online Tool)	86 kg/inhab/year

1.2 Context

This RD (Research and Development) project intends to reply to a pressing need of the society valuing a vulnerable population group, many times forgotten (people with disability or incapacity), offering equal opportunities and improving their life quality, allowing the participation (of all) in a project that is directed for all the Citizens - the Recycling.

For that,, it is intended to get a universal eco-container model, that would be accessible to all the people, independently of its physical condition.

1.3 Short description

With the implementation of this specific project is our intention to increase the recycling rates and engage targets not covered yet in selective collection.

1.4 Objective

By the development of R+ Project, LIPOR wants to include inclusive design criteria on the conception of the selective collection equipments (production of eco-containers).

In summary, the major goal of this Project is design, produce and test a revolutionary equipment in the point of view of people approximation, making the link between equipment and accessibilities.

Other goals:

- Debate accessibilities theme / waste selective equipment for people with disability or incapacity;
- Relation between waste separation (Recycling) and people with disability or incapacity;
- Define the ideal equipment for this specific public;
- Test production equipment in line with the defined characteristics;
- Realization of pilot experiences for testing the equipment;
- Put the equipment in public way, in some key locals;
- Verify the participation of people with disability or incapacity.

1.5 Method used to identify the good practice

Benchmark

Social Responsibility

Recycling (looking for new targets to increase recycling).

1.6 External factors

The project came as a response to increase recycling, jobs creation (new business – new containers to sell) and the social responsibility (inclusive design project).

2. IMPLEMENTATION

2.1 Preparation phase

The preparation phase of the project has gone through three major stages. The 1st one was to search for similar practices. The 2nd step was the constitution of a technical working group.. Finally, the 3rd step was the development of a methodology to comply with the main goal.

2.2 Technical implementation

The R+ Project path has been intense with different phases:

- Research phase;
- Project draft proposal;
- Establishment of an expert working group;
- First meeting of the working group;
- Ceremony for the Protocol signing (between the project partners/ stakeholders) which was attended by the Deputy Secretary of State for Rehabilitation;
- R+ on National Strategy for Disability 2011-2013 (measure 1.1.5);
- Door-to-door selective collection for people with disability in Maia Municipality (pilot experience);
- Project expansion (2nd phase - Door-to-door selective collection for people with disability in Maia Municipality);
- Project expansion (3rd phase - Door-to-door selective collection for people with disability in Maia Municipality);
- R+ on Inclusive Design Congress;
- Ideas National Tender;
- Public Presentation of the results of Ideas National Tender and awards ceremony;
- Exposure for the presentation of the works (resulted from Ideas National Tender);
- R+ winner of National Award in "Accessibility" category in the "IV Inclusion Gala";
- Prototype production of the winner solution (Ideas National Tender);
- Prototype test in the street.
- Workshop for the leading manufacturers of selective waste deposition equipments.

The LIPOR assumed an important commitment when decided develop the R+ Project. The main reasons for the development of this Project were:

- Study the waste selective deposition by people with disability or incapacity, in order to facilitate their participation in materials separation;
- Improve the accessibilities (for people with disability or incapacity) to waste selective equipment;
- Increase the recycling performance.

The concept of R+ has implied a strong and positive message: More Recycling and More Rehabilitation!

The first important steps have been taken carefully and were based on:

- The creation of a multidisciplinary working group (different partners with different life experiences and knowledge);
- The debate with the final goal of finding the best alternatives and solutions for ideal equipment (special characteristics) according with the real needs of different publics (blind or partially sighted people, wheelchair users, and so on) .

The expert working group constitution was a very important step (different knowledge sharing).

With the promotion of the Ideas National Tender were selected the three better solutions for selective waste deposition equipments adequated to people with disability or incapacity use (universal use).

R+ is in full the tests phase (will be a pilot experience to test the use of the new equipment, the eco containers, and to check if it response to the needs of people with disability and is according with the expectations of this target audience). The test will be in a specific geographical area, where , in advance, knows that people with disability are living in that area.

We intend to involve the target audience by using awareness. The identification of the target audience was made with the support of the Municipality (The social action team).

The last step is the commercialization of the equipments and the stimulation for the new businesses creation.

2.3 Communicative implementation

For Door-to-door selective collection for people with disability in Maia Municipality (pilot experience):

Personalized contacts (direct contacts): door to door awareness campaign with the distribution of a flyer with all information about the new service (day and time of the collection, type of materials, to clear doubts, ...)

R+ RECICLAR + REABILITAR +

Dias / Horários de Recolha

3a	PAPÉL E CARTÃO	EMBALAGENS PLÁSTICAS E METÁLICAS	VIDRO	INDEFINIDA
PT	X	X	X	X
PT	X	X	X	X
PT	X	X	X	X
PT	X	X	X	X
Segunda				X
Domingo				X

ordfines

COLIMA SELECTIVA: Entre as 06 e as 17h30.
Neste dia recolhe-se à temperatura de facilidade, sem a entrega dos sacos com resíduos seletivos e entrega dos contentores de recolha.

COLIMA INDEFINIDA: A partir das 21h.
Neste dia recolhe-se os resíduos indefinidos, na forma de sacos fronte à habitação, e mais próximo possível das fontes.
A recolha é feita, na via pública, nos dois dias de recolha.

Saiba mais:
Linha Verde - 800 20 26 39
www.maiambiente.pt

Vetura de recolha de Materiais

reciclar é dar e receber

COMO SEPARAR OS MATERIAIS...

Papel e Cartão

Colocar:

Não colocar:

Embalagens de Vidro

Colocar:

Não colocar:

Embalagens de Plástico e de Metal

Colocar:

Não colocar:

(the flyer distributed).

For announcing of the Ideas National Tender:

- Websites (in all partners websites),
- Specific microsite was created with all information about the Ideas National Tender. This tool was very important to clarify doubts and make the connection between all people interested on tender, too,
- Launch event,
- Press Release,
- Poster to disseminate the information (distributed in Universities, partners, ...).



(Poster).

For announcing the results of the Ideas National Tender:

- Exhibition,
- Press Release,
- Awards ceremony.

2.4 Organisations

Promoter –LIPOR - Intermunicipal Waste Management of Greater Porto.

Stakeholders:

Sociedade Ponto Verde – Portuguese Green Dot System,

Architects Chamber,

ACAPO – Portuguese Association of the Blind and Poorly-sighted,

National Rehabilitation Institute,

Ovo Solutions (producer of selective waste deposition equipments),

Metropolitan Office of the Disabled Citizens,

Portuguese Environment Agency.

2.5 Key success factors

- Provide something new to the society,
- The constitution of an expert working group (involvement of the stakeholders),
- Feedback of the results to all stakeholders,
- Leadership capacities of the Promoter (LIPOR),
- The increase of recycling rates,
- Equal opportunity to all persons.

2.6 Resources

- Specialised technical consultancy for the Ideas National Tender design (tender specification and request for proposals document) – 4500 €,
- Monetary prizes (Ideas National Tender – 1st place (3000€), 2nd place (1000 €) and 3rd place (1000 €),
- Catering (events) – 500 €,
- Prototype production (no figure communicated).

3. RESULTS

3.1 Monitoring of the progress of the GP

Related to Door-to-door selective collection for:

In this circuit we collect 3 flows/ streams – paper and cardboard, glass and metallic and plastic packaging.

The collection is in the households of people with disability living in Maia Municipality (before this circuit implementation, these citizens never had participated in selective collection).

Related to the new equipments (resulted of Ideas National Tender):

We expect increase the materials quantities (paper and cardboard, glass and metallic and plastic packaging) collected in this special eco containers.

Only when we have a mass production of the new equipments, the new equipments in the streets to be used by the people with disability or incapacity, we will be able to share results.

3.2 Other results

Employment creation (by new businesses creation, new jobs – new business growing),

Public recognition (in question 2.1 - Dec 13: R+ winner of National Award in “Accessibility” category in the “IV Inclusion Gala”, media reports on TV, lots of news in newspapers, ...),

Satisfaction from the target group, because, at this moment, doesn't exist a solution for this target audience..

4. LESSONS LEARNED

4.1 Negative effects

The key risks were identified not the possible negative effects. In my point of view, I consider that there are no negative effects.

4.2 Challenges

The major challenge is new businesses and job creation, as the integration of young people into the labour market

How to identify the target audience and how to get in touch with it?

With the support of the Social Action of the City Hall (Municipality). The City Hall has a central database with the information of the people with disability living in the Municipality,.

5. PICTURES AND OTHER DOCUMENTATION

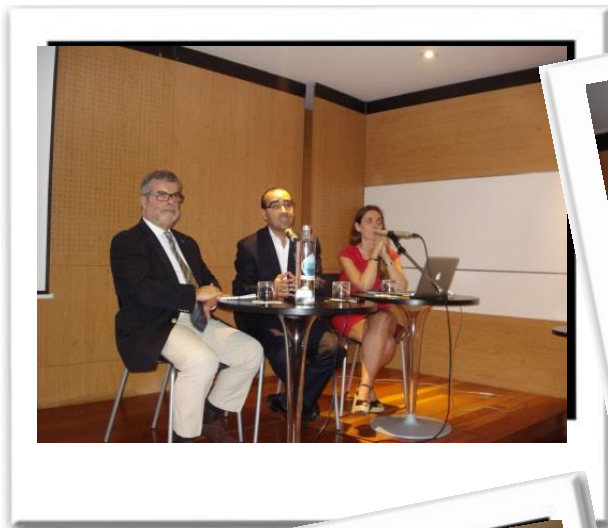
Project Logo's:



Door-to-door selective collection for people with disability in Maia Municipality (pilot experience)



Public Presentation of the results of IdeasNational Tender and awards ceremony:



Winner solution (IdeasNational Tender):



IdeasNational Tender:

1st Place:



2nd Place:



3rd Place:



Honorable Mention:



6. FURTHER INFORMATION

Organisation	LIPOR – Intermunicipal Waste Management of Greater Porto
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Website	www.lipor.pt
Others	

7. OTHER REGIONS WITH SIMILAR GOOD PRACTICES

The following partners of the R4R-project have a good practice similar to the good practice described in this factsheet:

Organisation	
Address	
Region	
Country	
Contact person:	
Phone	
E-mail address	
Website	
Others	
Short description of the main differences.	

REGIONS FOR RECYCLING

