

Waste PREVENTION



2019

PREVENTION IS THE PILLAR OF LIPOR'S INTEGRATED WASTE MANAGEMENT SYSTEM AND, ASSOCIATED WITH A CIRCULAR BUSINESS MODEL, DEVELOPS THREE KEY ISSUES: CHANGING PROCESSES TO ELIMINATE WASTE AT PRODUCTION PHASE, REDUCING WASTE AT SOURCE ENHANCED BY MENTALITY CHANGES AND REUSING PRODUCTS AS A WAY OF PROMOTING SAVINGS.

THE BEST WASTE IS THAT WHICH IS NEVER PRODUCED!

BIOWASTE

REDUCE FOOD WASTE | HOME AND COMMUNITY COMPOSTING | SOIL AND ECOSYSTEM CONSERVATION



DOSE CERTA

54 CANTEENS/RESTAURANTS



HOME COMPOSTING

15 512 IMPLEMENTED COMPOSTERS



URBAN FARMING

54 KITCHEN GARDENS
1 806 PLOTS

EMBRULHA.

100 RESTAURANTS

65 700 PACKAGINGS USED TO TRANSPORT
FOOD SURPLUSES

LIPOR EVENTS WITHOUT WASTE

12 EVENTS

120,66 KG OF DONATED FOOD

COMMUNITY COMPOSTING

17 COMMUNITY COMPOSTING SPOTS, WITH VOLUNTEER
SUPPORT

MONITORING VISITS

10% OF PARTICIPANTS RECEIVED PRESENTIAL MONITORING
VISITS

GREEN WASTE COMPOSTING PARK

15 USERS OF S. PEDRO RATES AND BALASAR PARISH
COUNCILS

SUSTAINABLE GREEN AREAS

29 CERTIFIED SPOTS

1 A GUIDE FOR FORESTS SUSTAINABLE
MAINTENANCE PRACTISES

TOTAL AREA OF SUSTAINABLE MANAGEMENT

150 ha (INCLUDING LIPOR'S GREEN SPACES)

REUSE AND REPAIR



EXTENDING PRODUCT'S LIFETIME THROUGH REUSE, REPAIR AND UPCYCLING

ELECTRICAL AND ELECTRONIC EQUIPMENT WASTE

REPAIR CENTRES (CREW)

(PARTNERSHIP ERP PORTUGAL)

4 CENTRES

225 REPAIRED EQUIPMENTS

23 EVENTS/AWARENESS-RAISING ACTIVITIES

UPCYCLING LIPOR

1 UPCYCLING CENTRE

7 ITEMS CREATED WITH END OF LIFE MATERIAL, EXHIBITED AT LIPOR'S PARQUE
AVENTURA

2 SECOND HAND MARKETS (CLOTHING, FOOTWEAR AND ACCESSORIES)

EDUCATION AND TRAINING



INCREASE AWARENESS AND INSTIL SIMPLE HABITS TO CREATE MORE SUSTAINABLE BEHAVIOURS

GERAÇÃO +

EDUCATIVE AXIS— GOOD ENVIRONMENTAL PRACTISES IN SCHOOLS | PRIVATE
INSTITUTIONS OF SOCIAL SOLIDARITY AND NGO'S.

1 858 AWARENESS ACTIVITIES | 34 843 PARTICIPANTS | 155 CERTIFIED ENTITIES

WORKSHOPS BIO

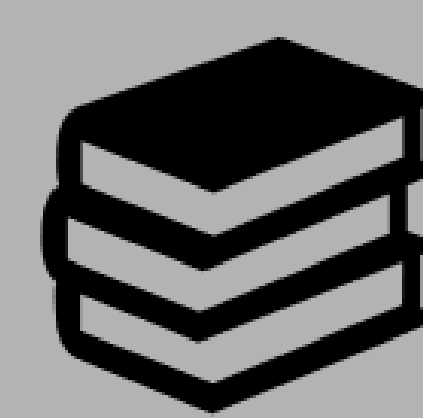
128 WORKSHOPS RELATED TO FOOD WASTE | HOME COMPOSTING |
ORGANIC FARMING | SUSTAINABLE GARDENING

ACADEMIA LIPOR

27 TRAINING COURSES FOR CITIZENS AND COMPANIES, COVERING SEVERAL
ENVIRONMENTAL AREAS

LOCAL AXIS—ERMESINDE PARISH COUNCIL IS IMPLEMENTING AN
ACTION PLAN THAT INCLUDES: **WASTE, SUSTAINABILITY, BIODIVERSITY, ENERGY/
MOBILITY, WATER AND EDUCATION FOR CITIZENSHIP.** WASTE WAS THE FIRST
AREA TO BE IMPLEMENTED AND INCLUDED ACTIVITIES IN THE FOLLOWING AREAS:
AWARENESS, HOME COMPOSTING AND SUSTAINABLE GREEN SPACES.

KNOWLEDGE PRODUCTION



CEMENT KNOWLEDGE AND INNOVATE TO WIDEN HORIZONS

URBAN MINING (APESB Young Professionals Group and Wageningen University)

"RECOMENDATIONS FOR CIRCULAR MANAGEMENT OF OBSOLETE SMALL ELECTRONICS IN PORTO – WAGENINGEN UNIVERSITY" WITH CONCLUSIONS THAT ARE FOOD FOR
THOUGHT : 70% OF SMARTPHONES AND LAPTOPS END UP IN DRAWERS WITHOUT BEING USED| IN PORTO, IF AT LEAST 1% OF THE SMALL ELECTRONIC EQUIPMENT THAT ARE
ACCUMULATED WERE RECYCLED, WE WILL AVOID THE EXTRACTION OF 1800G OF GOLD, THE EMISSION OF 780 TONS OF CO2EQ, IN AN APPROXIMATE VALUE OF 90,000 €.

METODOLOGY FOR STATISTICAL VALIDATION OF THE IMPACT OF BIOWASTE PROJECTS

(partnership Faculty of Biotechnology - Universidade Católica Portuguesa)

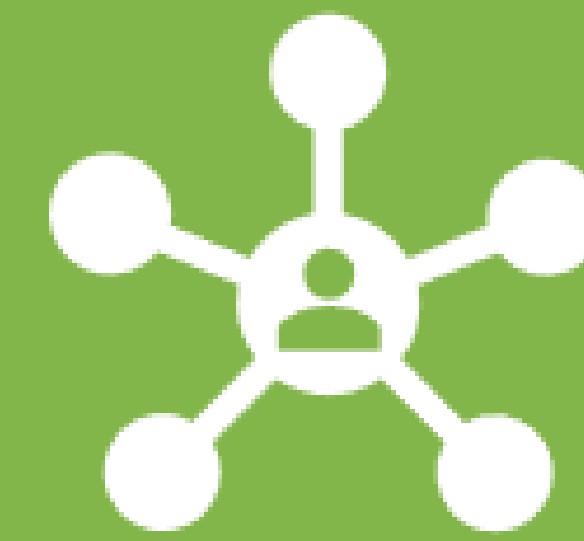
ANALYSIS, INVESTIGATION AND VALIDATION OF THE CALCULATION FORMULAS OF BIOWASTE PREVENTION PROJECTS, TO PROVIDE GREATER STATISTICAL RELIABILITY AND TO
CREATE A ROBUST TOOL TO SUPPORT DECISION MAKING. IT WAS PRODUCED A FINAL REPORT WITH SUGGESTIONS FOR IMPROVEMENT.

FOOD TRANSPORT ROUTE PLANNING IN SOCIAL SOLIDARITY PROJECTS

(Master Thesis partnership with Faculty of Engineering of the University of Porto)

DEVELOPMENT OF THE CONCEPT "USEFUL RECOVERY DISTANCE", THAT WILL ALLOW TO ANALYSE THE USEFULNESS OF FOOD RECOVERY. IT WAS CREATED A DECISION MAKING
SUPPORT SYSTEM (PILOT MODEL), WHICH AFTER DIVIDING DONORS BY SECTORS, WILL BE ABLE TO ANALYSE THE CONDITIONS OF A NEW POTENTIAL DONOR. IF THIS DONOR IS
FOUND SUITABLE, IN TERMS OF SUSTAINABILITY, IT WILL BE INTEGRATED IN ONE OF THE PREVIOUSLY DEFINED ROUTES.

COMMUNICATION



DISSEMINATE MORE CONSCIOUS BEHAVIOUR AND ATTITUDES

EUROPEAN WEEK FOR WASTE REDUCTION (EWWR)

EWWR TRAINING PROGRAMME 2019 | 1 MOMENTO TEATRAL | 36 PARTICIPANTS

EWWR 2019 | 185 ACTIONS DEVELOPED DURING THE WEEK (16 TO 24 NOVEMBER)

"RUA 100 PUBLICIDADE " IMPLEMENTED IN ONE MORE STREET AT ERMESINDE | 97 HOUSEHOLDS | REDUCTION OF UNADDRESSED MAIL = 9,70%

PREVENTION AND ITS IMPACT



THE VALUE AND BENEFITS OF WASTE PREVENTION ACTIONS

6 955 t LOCALLY RECOVERED | REUSED WASTE



647 983 € AVOIDED WASTE TREATMENT COSTS



2 729 t AVOIDED CO2EQ EMISSIONS



89 968 INVOLVED CITIZENS



ASSOCIAÇÃO DARIACORDAR—MOVIMENTO ZERO DESPERDÍCIO | BANCO
ALIMENTAR DO PORTO | CENTRO SOCIAL DE ERMESINDE | FRUTA FEIA |
GOODAFTER | REFOOD— NÚCLEO DE ERMESINDE, NÚCLEO LEÇA DA
PALMEIRA, NÚCLEO MAIA CENTRO, NÚCLEO SENHORA DA HORA



Lipor's Activity Plan
execution:

90%

ALL THE PRESENTED RESULTS ARE RELATED TO LIPOR'S WASTE PREVENTION PROJECTS AND INITIATIVES

