



# Vision and strategy for waste management in the Ionian Islands Region



# Vision & Strategy



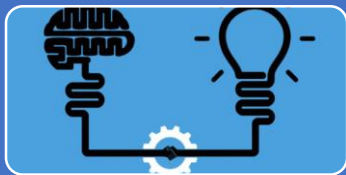
## Infrastructure completion

- Expansion of activities including management of additional types of solid waste, and in particular inert and industrial solid waste.



## Recycling & sorting at source

- Adopt measures and promote actions for the implementation of the Solid Waste Management merit order



## European Programs & Innovation

- Implementation of a rationalized management system, in accordance with the national and regional objectives, as well as the requirements of the current legislation



## Reducing the Consequences of Climate Change - Environmental Impact Reduction

- The Management Authority is operating based on the protection of the environment, public health and ensuring its viability



## Collaboration with Ionian University, other academic - research institutes & protected area management bodies

- Taking a leading role in promoting waste treatment projects at regional level.
- Working towards establishing the Management Authority as a reliable and competent institution, which provides high quality services.



## Areas of intervention

- Internal
- External

## Actions

- Environment
- Administrative development-reform
- Awareness
- Financial development

## Topics

- Environmental protection
- Ensuring public health and good life quality
- Sustainability
- Operating procedures
- Organization
- Human resources
- Informing citizens of the relevant Management Unit
- Sustainability



# Municipal Solid Waste Management Facilities Corfu Island Management Unit

Corfu Landfill (Temploni)

Recyclable Materials Sorting Center (Akrokefalos Temploni)





# Municipal Solid Waste Management Facilities Kefallonia & Ithaka Islands Management Unit

Kefallonia Landfill (Pallosti Argostoli)

Mechanical and Biological Waste Treatment Unit (Pallosti Argostoli)

Recyclable Material Transfer Station (Pallosti Argostoli)

Waste transfer station Ithaka (Vathy)



# Municipal Solid Waste Management Facilities Zakynthos Island Management Unit

Skopos Landfill

Transitional Waste Management Unit (Livas)

Recyclable Materials Sorting Center

Waste transfer station





# Municipal Solid Waste Management Facilities Lefkada Island Management Unit

Waste Transfer Station

Recyclable Material Transfer Station

# Collaboration with the Ionian University, other Academic - Research Centers & Management Institutions of Protected Areas



- ✓ Center for university research in the field of waste management and utilization
- ✓ Hub with start ups related to waste management
- ✓ Systematic involvement with European projects in collaboration with the Ionian University and other bodies (private & public).



# Regional Waste Management Planning & Objectives



## General targets

- Prevention
- Circular Economy
- Systematic monitoring
- Information - Awareness



## Sorting at Source

- Full biodegradable waste network
- Separate collection of recyclables & development/ expansion of sorting at source
- Sorting at source for bulky waste, textile waste etc.



## Reuse - Recycle

- Reuse & recycle 55% until 2025, 60% by 2030
- Recycling of packaging 65% by 2025 and 70% by -2030
- Creation of infrastructure for storage, refining, processing, recovery

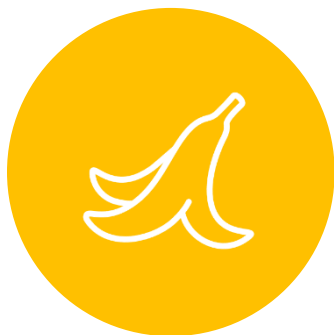


## Minimize the use of landfills

- Landfill use <10% by 2030 & energy utilization of residues and secondary fuels

# Sorting at Source – Objectives for the Municipalities on the produced waste

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**Bio-waste**

**25%**

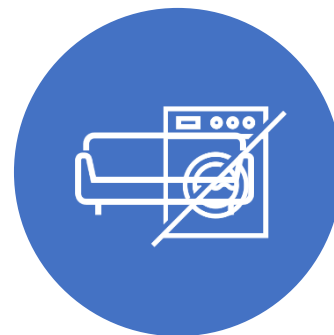
brown bin, composting at home, greens, fats & oils



**Standard Recyclables**

**30%**

paper, plastics, metals, glass



**Non-standard Recyclables**

**5%**

bulky, electronics, batteries



**Residual mixed waste**

**40%**

**60%**



## Regional Waste Management Planning & Actions – Sorting at source



- All Municipalities should be provided with brown bins and home composting equipment.
- Expansion of the network for separate collection of wastes from edible fats and oils
- Development of a network for a separate collection of printed paper
- Enhance sorting at the source of recyclable materials with Green Spots and Recycling Corners
- Separate collection of aluminum
- Separate collection of bulky waste
- Separate collection of textile wastes
- Development of a separate collection of hazardous household waste
- Uniform color and type of waste bins
- Promotion of creative material reuse centers (KDEY)



# Regional Waste Management Planning & Actions



- Strengthening prevention measures (Regional Plan based on National Prevention Plan)
- Review of Local Waste Management Plans
- Information, awareness and reward actions for the citizens
- Detailed recording of real costs for waste management and implementation of Pay As You Throw (PDO) systems
- Update of the Municipal Cleaning Regulations
- Determination of the qualitative composition of the solid wastes



# Central infrastructure



- **Adaptation of Waste Treatment Units to the objectives set in the National Waste Management Plan (NSRF) 2020 – 2030**
  - **Production of waste fuels to achieve the landfill target of 10%**
  - **Triple unit entry function: Bio-waste - Residual mixed solid wastes and gradually Recyclable**
  - **Ensuring the safe disposal of residues from the processing of the solid wastes**



- **Corfu waste treatment unit:** Tender with value option that includes: fuel production, increase of bio-waste treatment capacity & recycling.
- **Kefalonia – Ithaka waste treatment unit :** The contract includes an option for the construction of additional projects for the production of secondary fuel. According to the **Regional Waste Management Planning**, the unit will have to be adapted in order to accept recyclable materials.
- **Zakynthos waste treatment unit :** According to the **Regional Waste Management Planning**, an increase in the treatment capacity of bio-waste and recyclable materials is required.
- **Lefkada waste treatment unit (interregional unit):** According to the **Regional Waste Management Planning**, an increase in the treatment capacity of bio-waste and recyclable materials is required.





# Thank you



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