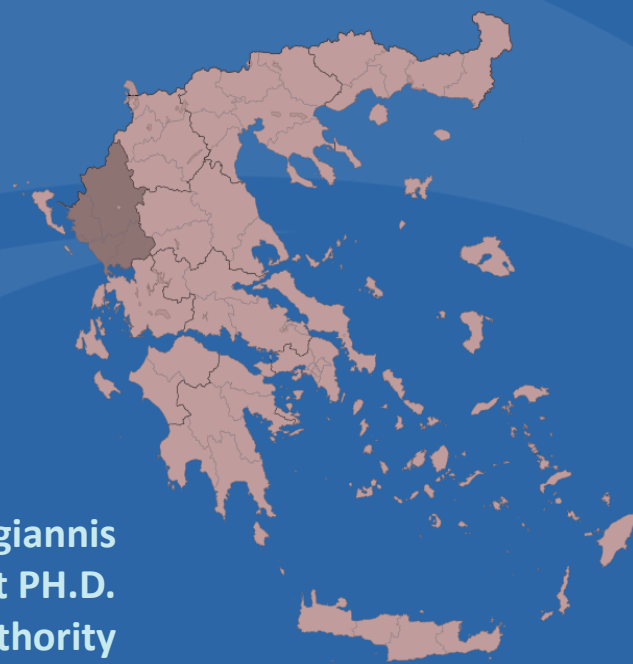


Epirus region waste management plan 2016 - 2025



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Epirus Region, characteristics

Population about 360.000 inhabits

Tourists about 800.000 per year

Mostly mountainous territory but with hundred Km of coast line with very beautiful beaches (Ionian Sea)



Waste management

	2000 - 2009	2009 - 2018	2018 - 2025
infrastructures	<ul style="list-style-type: none"> About 300 uncontrolled landfills in Region Lack of separate collection, no recycling 	<ul style="list-style-type: none"> Construction and operation of 3 sanitary landfills Beginning of packaging collection Sorting unit for packaging 	<ul style="list-style-type: none"> Implementation of a new strategic Regional waste management plan Construction and operation of the basic waste infrastructure (MBT plant) Operation of all the necessary facilities
results	<ul style="list-style-type: none"> Extended pollution Penalties from EC 	<ul style="list-style-type: none"> Reduction of pollution Avoid penalties Beginning of recycling 	<ul style="list-style-type: none"> Implementation of effective systems that funded by NSRF and national – private funds Necessity to increase public contribution Increase cost for waste management direct and indirect benefits in tourist, education, agriculture
impact		Citizens starts to be more sensitive	<ul style="list-style-type: none"> Increase RES production (from biogas) Creation of new jobs Achieve strategic goals for the country Implement circular economy

Main facilities (funded by NSRF)

- **1 Regional solid management plant with Anaerobic digestion and MBT (Jan.2019)**
- **3 municipal plants for composting biodegradable separate organic waste (tender procedure)**
- **12 transfer stations (operation Dec. 2018)**
- **3 landfills for residual wastes after MBT (in use)**
- **Separate collection of household wastes (paper, glass, plastic, alu., and especially organic biowastes)**
- **Promotion of reuse and recycle**
- **Increasing public awareness to reduce wastes, reuse, recycle**



Regional Solid waste treatment plant (MBT)

- Construction and operation as PPP project for 27 years, maximum waste capacity of 105.000 tn/year, served 370.000 inhabitants, 18 municipalities
- 18 months construction period (started Aug. 2017)
- Renewable energy production of a total power of 1,5 MWe utilizing the biogas produced from the anaerobic digestion units



Environmental benefits

- It is complementary to waste management policies
- Maximizes recycling efforts of the region.
- Maximizes diversion from landfill of organics through composting.
- Produces green energy.
- Improves citizens' environmental awareness



Management plan actions further steps (1)

- 3 compost units in large municipalities
- 8 bring points (“green points”) in large cities for separate collection
- Reduction of waste production (started with pilot projects)
- Enhance separate collection in houses for plastics and organic fractions, reuse and recycling (started with pilot projects)



Further steps (2)

- Enhance the separate collection for WEEE in order to achieve national goals.
- Investment opportunities for private sector for collection and exploitation of WEEE and demolition wastes



Thank you!

Contacts

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