### Recycling and waste prevention to achieve circular economy goals



The municipality of Saranda is a coastal municipality with a priority for the development of tourism. It consists of the city of Saranda, the town of Ksamil as well as the villages of Cukë, Metoq, Gjashte, Shelegar and Berdenesh.Its administrative surface reaches about 5200 ha. Saranda has a typical Mediterranean climate. Saranda has the highest number of sunny days in Europe, over 270 days. Natural resources. The area of Saranda is characterized by a large number of natural, semi-natural and artificial habitats. It has a diverse typical Mediterranean vegetation. This area includes the typical Mediterranean lagoon of Butrint, about 1600 ha. The lagoon is rich in vegetation that serves as food for many types of fish. The lagoon is also a stopover for thousands of wintering and migratory waterfowl birds

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**Recycling and** waste prevention to reach targets on circular economy



## The situation a few years ago

- Illegal waste spots;
- Insufficient number of containers;
- Their poor quality;
- No separation at source initiatives;
- Poor service quality;
- Low awareness of the population



A new approach with the support of the German Government

- Preliminary meetings;
- Analysis of the basic situation;
- Drafting and approval of the Integrated Waste Management Plan;
- Preparation of the waste separation at source scheme;
- The beginning of the works for the establishment of the Resource Center

















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### ALBANIA

Modernized, climate-friendly solid wasts and recycling management

### Waste Management Plan for the Humoipality of Saranda Local Plan on Integrated Waste Management

April 3, 2021

STE Rosalia Optio EcoDes Stadio





10.1







## Construction of the Resource Center

- Works started in January and finished in June 2021;
- The center was equipped with a truck, with a forklift crane and a hydraulic press;
- Electricity was also installed;

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# Setting up the segregation at source scheme

- Meetings with businesses that generate more waste;
- Concluded cooperation agreement for separation at source;
- Distribution of dedicated containers in:
  - Businesses (bars/restaurants and supermarkets);
  - Promenade;
  - Educational institutions

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## Recyclable waste collection

- Door-to-door collection with dedicated staff in:
  - Bar Restaurants (about 20);
  - Markets and Supermarkets (about 20);
  - On the promenade (6 wire mesh bins)











## The Resource Center functional

- Employed 4 employees;
- Train employees on work processes;
- Bail and storage of recyclable waste, focusing more on:
  - Cardboard/Paper;
  - Plastic







## Selling Recyclable waste

- Contract with recycling companies;
- For the year 2021, 2 sales were carried out with an amount of about 20 tons of cardboard and 1-2 tons of plastic;
- In 2022 and 2023 we had an increase in the amount of cardboard and plastic (PET) collected and also in their sale;



## Education and awareness campaigns

- Prepared awareness videos and leaflets;
- Carry out education through art in kindergartens and schools of the city;
- Recycling week held in April 2022;
- Open days on the promenade;
- Cleaning days in the entire territory of the municipality;

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## SARANDA RECYCLING WEEK

### XX-XX MONTH 2022

MAKE A DIFFERENCE, RECYCLE YOUR PLASTIC BOTTLES

SARANDA RE CYCLING

### WHY RECYCLE?

Over 10,000 tonnes of waste is generated in Scrondo each yes a Most of this gets buried in lond ill yet it's estimated that over 20% of this can be recycled into somothing nes. .

As part of Albania's commitment, to sustainability, you can now recycle in Saranda, Recycling makes a lot of sense:

- Recycling reduces the need for row moterials;
- Recycling reduces energy usage;
- Recycling reduces the production of gasses that contribute towards climate change;
- Recycling soves the municipality and Government money meaning more can be spent on other essential services.



Recycling I terms of plantic bottom asses 18 repairs of senten and 28 repaired PET bottom and to work to make or solut a fear bottom.



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### HOW TO RECYCLE

In the recycling cages you'll find around Saranda you can put plastic bottles and cans. You can also put these in the green wheelie bins along with cardboard.







SARANDA (RE) CYCLING



















# Improving the situation of the waste sector

- Positive implementation of separation at source;
- Increase the % of service coverage;
- Minimization of the informal waste dumpsites;
- Improving waste infrastructure;
- Increasing citizens' awareness and youth education;





Cooperation with the Municipality of Lubeck

- In the field of waste management
- In the processing of used water (Wastewater treatment plants)









Bilateral meetings have started since 2021, first in the Municipality of Saranda and then also in the Municipality of Lubeck

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In 2022 and beyond, the cooperation consisted of: - technical assistance with human resources mainly in the field of waste management - Assistance in waste infrastructure (containers for the collection of urban waste)





Throughout 2023, bilateral meetings have continued in Saranda Municipality to consolidate the relationship between the two municipalities

## Municipal challenges

- Problems faced with the mobility and the traffic within the city in the tourist season;
- Enlargement of the scheme for separation at the source as well as the enlargement of their collection area.
- Cooperation between local businesses is very important.
- Awareness end education must be sustainable.
- The donators and recycling company have to maintain the cooperation with the municipalities that shows great performance;

### PROBLEMS ENCOUNTERED WITH MOBILITY WITHIN THE CITY DURING THE TOURIST SEASON



Since during the summer season the number of residents and tourists visiting our Municipality increases up to three times, the movement of vehicles that collect waste and mainly recyclables becomes difficult. We are asking donors and partners for the possibility of financing some small funds for their collection (illustrative photo)

### Enlarging the sharing scheme at the source as well as enlarging their storage area









In the Center for the Collection of Recyclable Waste, it is planned to expand the storage area, mainly cardboard, and cover it due to the damage of this material by atmospheric agents (mainly various precipitations). All the businesses that are also the biggest producers of this waste to move to another stage for the citizens as well. For this reason, there is a need to add special containers for the storage of cardboard and plastic (PET).

### Enlargement in on the resource allocation scheme

Kosto	Njesia	Sasia	Paga/cmim (per vit)	Total
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Force punetore	Punetor ndares	2	ALL 396,000	ALL 792,000
Force punetore	Roje	1	ALL 396,000	ALL 396,000
Karburant	Lt	500	ALL 190	ALL 95,000
Materiale	lumpsum	1	ALL 120,000	ALL 120,000
Mirembajtje	lumpsum	1	ALL 50,000	ALL 50,000
Total				ALL 2,461,000

We are planning to increase the collection and storage capacity, mainly of cardboard, which can go up to 365 tons/year

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ŝ			ALL	36	5 ALL 10,200	ALL 3,723,000	
1	Total						ALL 4,635,500
Ко	osto Perfitim Ba		alanca finale				

Balanca	Kosto	Perfitim	Balanca finale	
	ALL 2,461,000	ALL 4,635,500	ALL 2,174,500	

### Enlargement of the storage area for recyclable waste

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PREVENTIV

The enlargement of the storage area of this recyclable waste consists of surrounding an area of about 250 m2 and covering a new area of about 65 m2. This investment costs about 800,000 ALL or about 8000 euros

### Support from our donors and partners in the field of waste management





With the investments that are currently carried out in the territory of the Municipality (mainly in the city of Saranda and Ksamil), a part of the asphalt roads have been turned into roads paved with stone slabs, which requires mechanized cleaning and washing

### Support from our donors and partners in the field of waste management









Since the cleaning of the territory and waste management is a challenge of the Mayor and for a higher quality, we think to modernize this service by increasing the fleet of vehicles. For this reason, we ask our donors and partners to assist us with machines (illustrated with photos) which will serve us to achieve our objectives.

The professional and collegial cooperation with the EBL should definitely continue, even after June 30,

Entsorgungsbetriebe

Lübeck

2024.



## Advices and Recommendations

Separation at source is possible if there is maximum will and effort;

- The central government should encourage municipalities that show willingness and commitment;
- Donors and recycling companies should support more municipalities that show tangible results;
- Cooperation with local businesses is very important;
- Awareness and education must be permanent and continuous.

