

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 Çukë, Metoq, Gjashtë, 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





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

Utility Platform

For strengthening partnerships
of municipal utilities worldwide

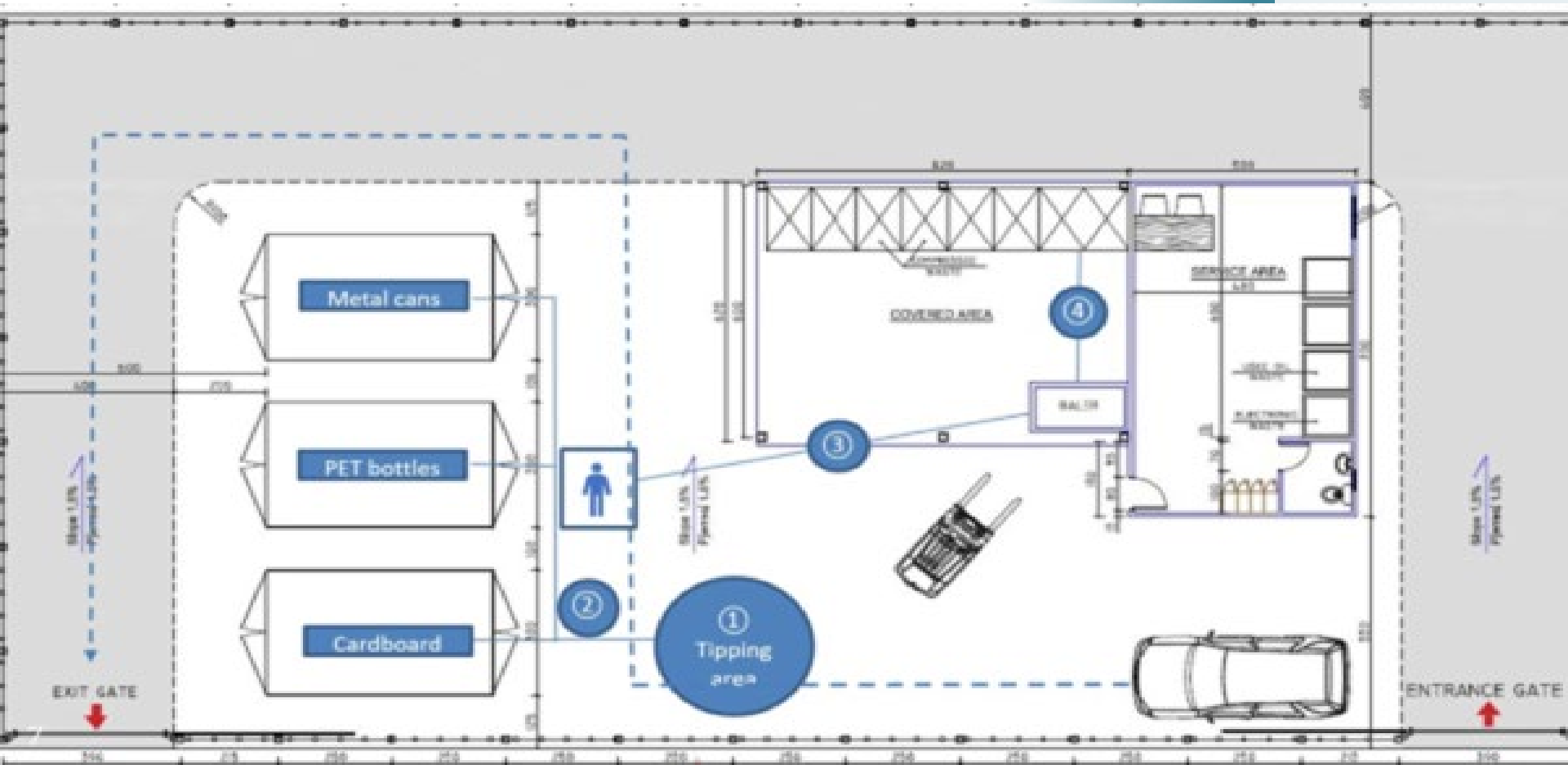






Construction of the Resource Center

- 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;











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)



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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;

SARANDA RECYCLING WEEK

XX-XX MONTH 2022

MAKE A DIFFERENCE.
RECYCLE YOUR
PLASTIC BOTTLES
AND CANS

SARANDA RECYCLING

WHY RECYCLE?

Over 10,000 tonnes of waste is generated in Saranda each year. Most of this gets buried in landfills yet it's estimated that over 20% of this can be recycled into something new...

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 raw materials;
- Recycling reduces energy usage;
- Recycling reduces the production of gasses that contribute towards climate change;
- Recycling saves the municipality and Government money meaning more can be spent on other essential services.



Recycling 1 tonne of plastic bottles saves 1.8 tonnes of carbon and 25 recycled PET bottles can be used to make an adult's fleece jacket.



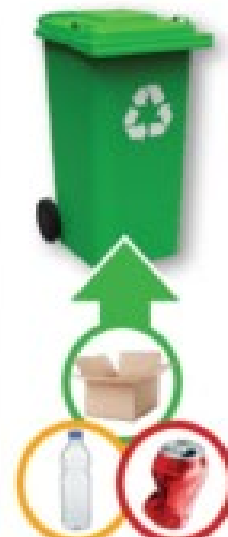
The energy saved by recycling 1 aluminium drink can is enough to run a television for three hours.



One tonne of recycled cardboard saves 40 gallons of oil and saves 5 million pounds of landfill space.

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.



Ministry of
Environment and
Climate Change

SARANDA RECYCLING

SARANDA RECYCLING





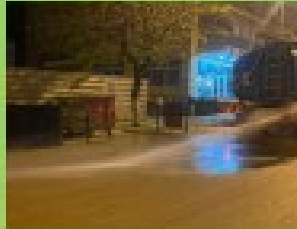






Improving the situation of the waste sector

- 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



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 and education must be sustainable.
- The donors 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
Force punetore	Pergjegjes dhe Presues	2	ALL 504,000	ALL 1,008,000
Force punetore	Punetar ndares	2	ALL 396,000	ALL 792,000
Force punetore	Raje	1	ALL 396,000	ALL 396,000
Karburant	Lit	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

Perfitim	Njesia	Sasia (ton)	Cmimi	Total
Tarifa e shmangur e Landfillit	ALL	365	ALL 2,500	ALL 912,500
Shitja e materialit te riciklueshem	ALL	365	ALL 10,200	ALL 3,723,000
Total				ALL 4,635,500

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

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

Enlargement of the storage area for recyclable waste

PREVENTIV (Bill of Quantity)					
Ndërtimi i Qendres së Grumbullimit dhe Ricklimit në Bashkinë Sarandë Construction of Collection Center in Sarandë Municipality					
Nr.	Nr. Anal. Anal. No.	Përshkrimet i punës Item Description	Njësia Unit	Sasia Quantity	Vlera Amount
III. Përmirësimi i fencës <i>Fencing works</i>					
1	3.790	P.V. rrethë gabioni, përreth perimetrit të platformës S.1. gabion net, for the perimeter fencing	m2	242.0	490.0
2	3.180	Konstruksione metalike të thurshës (S145) 60x60x3mm + ankorim Simple steel construction works (S145) 60x60x3mm + anchorage	kg	277.5	135.1
3	2.007	P.V. hekur periodik Ø = 12 mm në kontakt me rrethë-gabion S.1. Steel rebar Ø = 12 mm at the edge of gabion net	ton	0.17	103.497.7
4	3.A4	P.V. porte metalike dekorative rrethqepëse veshur me laminatë të valëzuar të galvanizuar 0.8mm S.1. decorative steel sliding door, covered with waved galvanized steel sheet 0.8mm	m ²	24.0	8.061.4
5	A4.02	P.V. Tabele drejtkëndore (nifuruesë), (A4x8) normal 80x120 S.1 Informative rectangular sign-table, (A4x8) normal 80x120	copë	1.0	30.722.9
SHUMA (SUM) - III.					387.808.4
IV. Përmirësimi i Muqarise e mbuluar <i>Construction of covered storehouse</i>					
1	2.182	Konstruksione metalike të thurshës (S145) 60x60x3mm + ankorim Simple steel construction works (S145) 60x60x3mm + anchorage	kg	2,510.0	125.1
2	A4.1	P.V. Laminare e valëzuar për mbulues S.1. Aluminium roofing sheet	m2	60.2	230.0
3	A4.1	P.V. Laminare e valëzuar për 2 pjesët anore S.1. Aluminium sheet for sides of covered area	m2	37.0	230.0
4	4.112	Biçopëzje me metal finit, me një dorë mino e dy duar boje vaj, konstruksione me profile Painting a steel structure composed of profiles, 1 anti-stain layer, 2 oil-paint (R297)	m2	65.0	440.3
SHUMA (SUM) - IV.					391.264.8

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, 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.



THANK YOU!