



University : UzSWLU
Country : Uzbekistan
Web Address: <https://www.uzswlu.uz/en>

3 Waste

3.12 Inorganic waste treatment

In 2025, Uzbekistan State World Languages University (UzSWLU) successfully treated **51,000 kg (≈ 51 tons)** of inorganic waste, representing **60 percent** of the total **85 tons** generated during the year. This reflects a **23 percent reduction in total inorganic waste** compared to 2024, and a **25 percent improvement in treatment efficiency**, confirming UzSWLU’s progress toward a zero-waste campus model.

Breakdown by Category

Type of Waste	Volume Treated (kg)	Treatment Method
Plastic	25,000	Collected, sorted, and recycled via “Maxsus Trans”
Glass	10,000	Reused for construction and laboratory purposes
Metal	7,000	Sold to certified local recycling companies
Electronic waste (e-waste)	4,000	Dismantled and processed by “GreenTech Recovery”
Mixed non-recyclables	5,000	Sent for energy recovery under municipal management
Total Treated	51,000 (≈ 51 tons)	≈ 60% of total inorganic waste generated

Collection and Treatment System

UzSWLU has established a **structured waste treatment chain** that combines government partnerships, private sector cooperation, and student engagement:

- **Official Contract with “Maxsus Trans”** ensures safe collection, recycling, and waste tracking across all campuses.
- **Partnership with “GreenTech Recovery”** covers safe dismantling and recycling of e-waste such as computers, cables, and electronic equipment.
- The **UzSWLU Green Data Portal** now provides real-time digital monitoring of inorganic waste volumes, recycling rates, and CO₂-equivalent reductions.
- The **Faculty of Natural Sciences** supervises audits and submits verified quarterly waste reports to university leadership.

Key Initiatives and Programs (2025)

- **Expansion of color-coded segregation bins** for plastics, glass, metals, and electronic waste in every faculty building.
- **Zero Waste Week 2025**, engaging over **1,200 students and 150 faculty members** in hands-on recycling activities and waste-sorting competitions.



- **Plastic to Art Competition**, where reused plastic bottles and packaging were transformed into sustainable art pieces.
- **Recycling Market and Eco Fair**, promoting circular use of materials and collaboration with local NGOs.
- **Educational open lectures** on “Circular Economy and Waste Management” organized jointly with the Ecological Party of Uzbekistan.

Environmental and Economic Impact

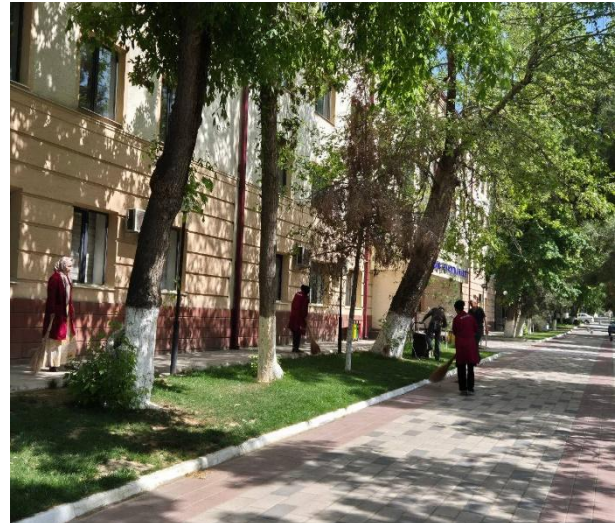
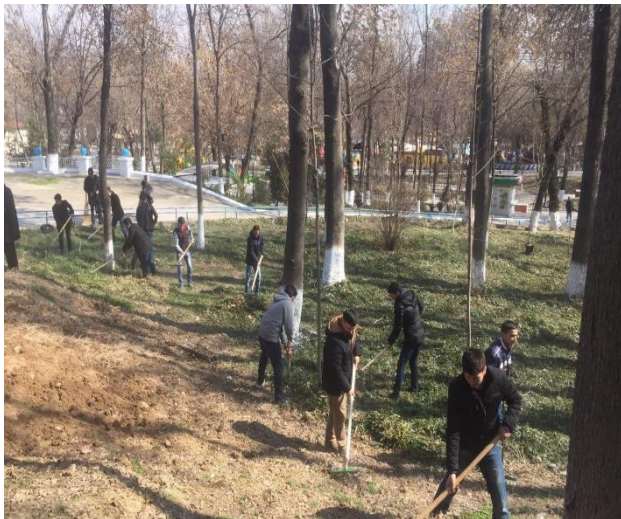
Indicator	2024	2025	Change
Total inorganic waste generated	96,000 kg	85,000 kg	▼ – 11,000 kg (– 12%)
Treated / recycled waste	46,000 kg	51,000 kg	▲ + 5,000 kg (+ 11%)
Recycling rate	48%	60%	▲ + 12 points
CO ₂ reduction	8 tons	10 tons	▲ + 25%
Resource recovery value	18 mln UZS	25 mln UZS	▲ + 39%

- **20 tons less waste** sent to landfill compared to 2024.
- **10 tons of CO₂-equivalent emissions prevented annually**, verified through internal audits.
- **25 million UZS** saved through recycling and reuse of materials.
- **Recycling rate improved from 48% (2024) to 60% (2025)** — a 25% performance increase.

Contribution to SDGs

This program directly contributes to:

- **SDG 12 – Responsible Consumption and Production**, through material reuse and circular waste management.
- **SDG 13 – Climate Action**, by reducing CO₂ emissions and promoting sustainable waste systems.
- **SDG 17 – Partnerships for the Goals**, via collaboration with *Maxsus Trans*, *GreenTech Recovery*, and civic environmental organizations.



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Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):