



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT,
CLIMATE AND ENERGY



Co-financed by the European Union



Waste counts.

Development of a Circular Economy in the Field of Construction Waste in Slovenia

CLOSING MATERIAL LOOPS WHILE OPENING DOORS TO A SUSTAINABLE FUTURE.

According to available data, the construction sector is the largest consumer of raw materials – it uses more than half of all extracted natural resources each year. At the same time, construction and demolition waste represent the largest volume of all waste streams, even though these materials could be successfully reused across several industries.

The **LIFE IP Restart** project addresses this important opportunity by raising awareness among key stakeholders, developing technological solutions, and influencing legislative changes to create the conditions for the development of a circular economy in the field of construction waste in Slovenia.

Follow project updates and join our efforts for
more sustainable waste management in Slovenia.

life-restart.si



The innovation core of LIFE IP Restart are six demonstration actions exploring opportunities and developing conditions for introducing circularity in the field of construction waste in Slovenia.



1. Production of Topsoil and Mining Revitalization

Excavated materials represent an important opportunity for the rehabilitation of degraded areas. By 2028, we will prepare comprehensive guidelines for successful land rehabilitation and quarry revitalization and pilot the revitalization of two quarries.

2. Urban Loops – SRM Investment Bank

Construction waste accounts for more than half of the total waste material flow in Slovenia. This action will establish a »Center for the Preparation of Waste for Reuse«, a »Secondary Raw Materials Bank«, and recommendations for urban mining of construction materials.

3. Production of Secondary Raw Materials through Industrial Landfill Mining

One of the key opportunities for transitioning from a linear to a circular economy lies in recycling industrial waste for use in the construction sector. This action will pilot the mining and recycling of deposited metallurgical waste.

4. Recycling Dredging Spoil for Increased Flood Safety

Sediment accumulates in Slovenian water bodies over time, reducing the safety and efficiency of dams and hydropower plants. This action will establish a permanent process for sediment removal and its use in the construction of flood protection infrastructure.

5. Preventing Illegal Dumping

Reducing illegally dumped waste is one of the priorities in promoting circularity, as it increases stakeholder motivation for more sustainable practices. The purpose of this action is to develop an effective monitoring system for potential illegal dumping sites.

6. Extraction of Critical Raw Materials and Recycling of Sewage Sludge

Sewage sludge has been recognized at the EU level as a secondary source of phosphorus. This action aims to develop innovative processes for the treatment and recovery of sewage sludge.

LIFE IP Restart Project: Boosting waste recycling into valuable products by setting the environment for a circular economy in Slovenia (LIFE20 IPE/SI/000021) is an integrated project co-financed by the European LIFE program.

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Lead partner: Ministry of the Environment, Climate and Energy of the Republic of Slovenia (MECE). **Project duration:** 2022–2030.

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