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INERTWASTE

Overview of the circular approach to management of city resources in Maribor

Mag. Andrej Rihter

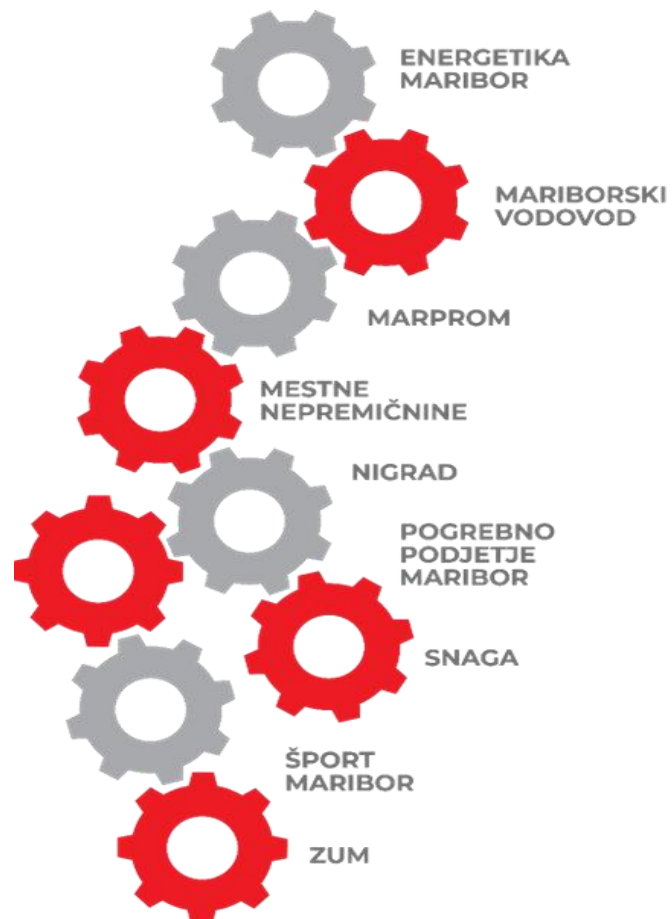
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**JAVNI
HOLDING
MARIBOR**

22. 05. 2024 | Maribor

JHMB GROUP



JHMB d.o.o.
The Municipality of Maribor is 100% owner.



The **JHMB** Group is in Maribor responsible for:

WASTE

collection of municipal waste, transportation of municipal waste, processing of mixed municipal waste, disposal of processing residues or disposal of municipal waste.

ENERGY

supply of heat energy, supply of energy gases.

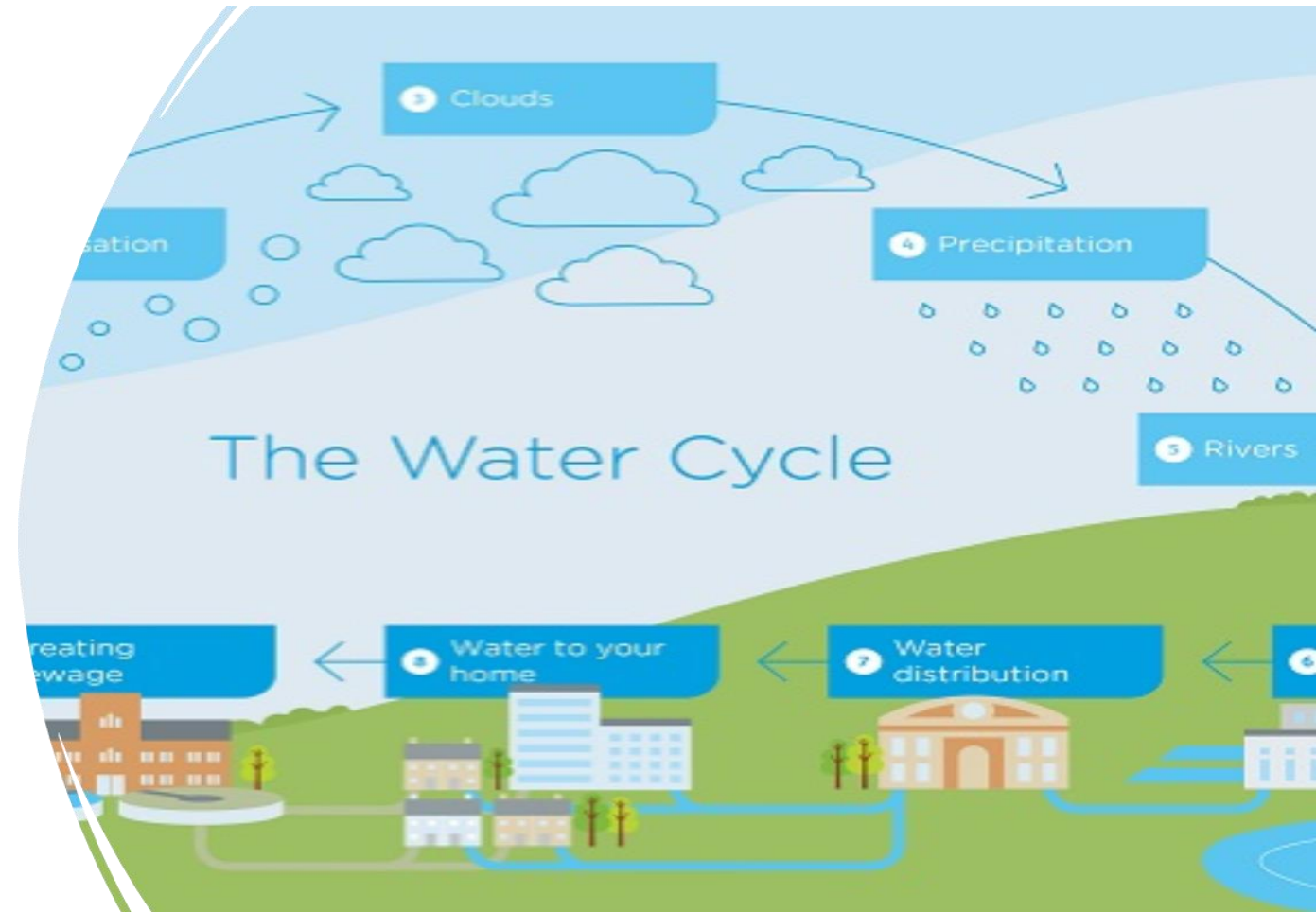
WATER

drinking water supply, drainage of municipal and storm water, cleaning of municipal and storm wastewater.



Closing the water cycle

- Water pumping / water supply.
- Discharge of wastewater at the central sewage treatment plant.
- Wastewater treatment.
- Waste sludge management.



Creating synergies

SYNERGY OF OPERATIONS	JHMB GROUP
SYNERGIES OF COMMON SUPPORT FUNCTIONS	SYNERGIES OF JOINT PURCHASING SERVICES
Coordination of joint projects	Coordinated public appearance
Common customer base	Lower costs
Interdisciplinarity	Increased transparency
More effective adaptation to market needs	Faster transfer of knowledge and experience

Savings generated: 654.516 €

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Cooperation with other stakeholders

Coordinated and close cooperation of the **JHMB** Group with:

- Municipality of Maribor,
- Regional Development Agency of Podravje Maribor,
- The Chamber of Communal Economy of Slovenia and
- University of Maribor.

Joint project planning and management, joint applications for funding from the Ministries of the Republic of Slovenia and EU funds, etc.



Circular economy - vision of **waste** management in Maribor

Waste hierarchy



- Separate waste collection at the source
- Automated sorting for the preparation of secondary raw materials

"don't throw away useful things, maybe someone needs them"



SNAGA

ČISTO
MOJE
MESTO

Nika Kodba

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department*

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ZOJO PROJECT – WASTE COOKING OIL COLLECTION

- The main goal of the project was to bring the collection and disposal of waste cooking oil closer to rural residents by setting up collection points and distributing collection containers to households.
- The project was co-financed by the European Agricultural Fund for Rural Development.
- Period of project: 1.11.2021 to 31.8.2022
- 13 street collectors (capacity of 200 l) were set up to collect waste cooking oil from households.
- 5100 household containers were distributed for the collection of waste cooking oil in households.

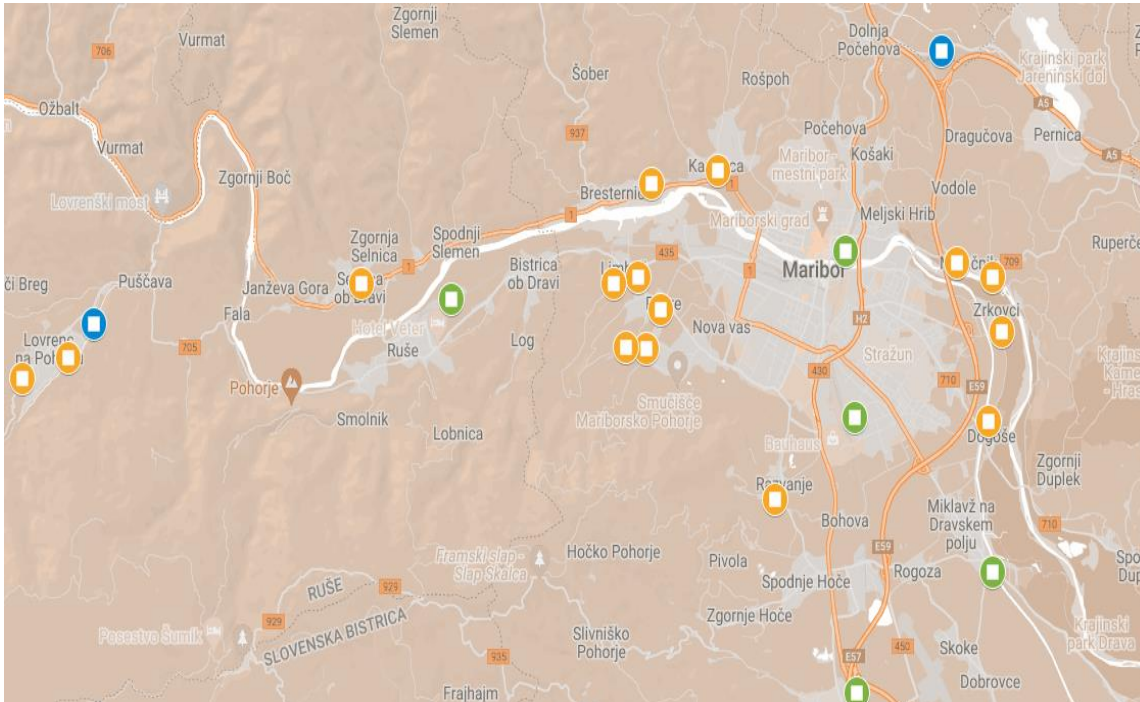


Conclusion

- Today: 21 street collectors (14 of them are in Municipality of Maribor)
- Waste cooking oil is useful raw material and can become a renewable energy source.
- One litre of waste cooking oil produces 90% of biodiesel or biogas - eco-fuels that do not pollute the environment.



SNAGA

**ČISTO
MOJE
MESTO**


	2022	2023
Collected waste cooking oil – street collectors (kg)	1.342	6.390

The future plan is to extend the collection of waste cooking oil through collection points to other districts where we operate a public municipal waste management service.

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Building waste - EU projects

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LIFE IP RESTART project

Leading partner:

Ministry of the Environment, Climate and Energy

Project title:

„Boosting Waste Recycling into Valuable Products by Setting the Environment for a Circular Economy in Slovenia.“

Priority:

The project focuses on overcoming obstacles in achieving the EU's recycling goals and on achieving the full implementation of the Waste Management Program and the Waste Prevention Program of the Republic of Slovenia.

Project duration: 01.2022 – 12.2030

Participating countries:

Slovenija

Total project value: 17.158.062 EUR

Funded part of the project: 10.000.000 EUR

JP Nigrad, d.o.o.: 921.247 EUR



REBUILT project

Leading partner:

Slovenian National Building and Civil Engineering Institute

Project title:

„Circular and digital renewal of central Europe construction and building sector“

Prioriteta: The construction industry contributes significantly to resource consumption, waste generation and greenhouse gas emissions. The adoption of circular and digital practices can help reduce the sector's environmental impact. The ReBuilt project promotes these approaches in the educational program and introduces new solutions.

Project duration: 04.2023 – 03.2026

Participating countries:

Slovenija, Italija, Madžarska, Hrvaška, Italija, Nemčija, Poljska, Slovaška, Češka

Total project value: 2.400.000 EUR

Funded part of the project: 1.920.000 EUR

JP Nigrad, d.o.o.: 155.470 EUR



Conclusion

Nigrad is a public civil engineering company that started with developmental projects in 2018 and since then we have successfully concluded 4 different projects and are always on the lookout for new opportunities and new partnerships

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