



Nutrients recycling and
pollution handling

Unlocking Composted Sewage Sludge Potential: Progress in Removing Barriers to Use it

Ceraukste
24 February 2026

Co-funded by
the European Union

All Rights Reserved. NENUPHAR Project. Grant Agreement
101082169

Akvilė Jagučanskytė
nrda@nrda.lt



THE UNTAPPED RESOURCE: SEWAGE SLUDGE AS A SUSTAINABLE ASSET

Scientific advances,
improved **governance**,
better **communication strategies**
are steadily
addressing the historical limitations
associated with
composted sewage sludge use.



STRICTER MONITORING AND QUALITY STANDARDS: BUILDING TRUST

Greater **traceability** — from wastewater source to final compost application — further improves **accountability and reliability**.

It is not just data, it is a guarantee.



POLICY HARMONISATION: ALIGNING LAW AND PRACTICAL FRAMEWORKS

Harmonising policies facilitates international cooperation and accelerates innovation adoption.

Strategic alignment enables economies of scale and shared best practices.



REBRANDING AND COMMUNICATION: CHANGING PERCEPTIONS

Sustained engagement with stakeholders through credible, accessible information and demonstrated results.

Evidence-based communication about safety, benefits, and environmental impact.

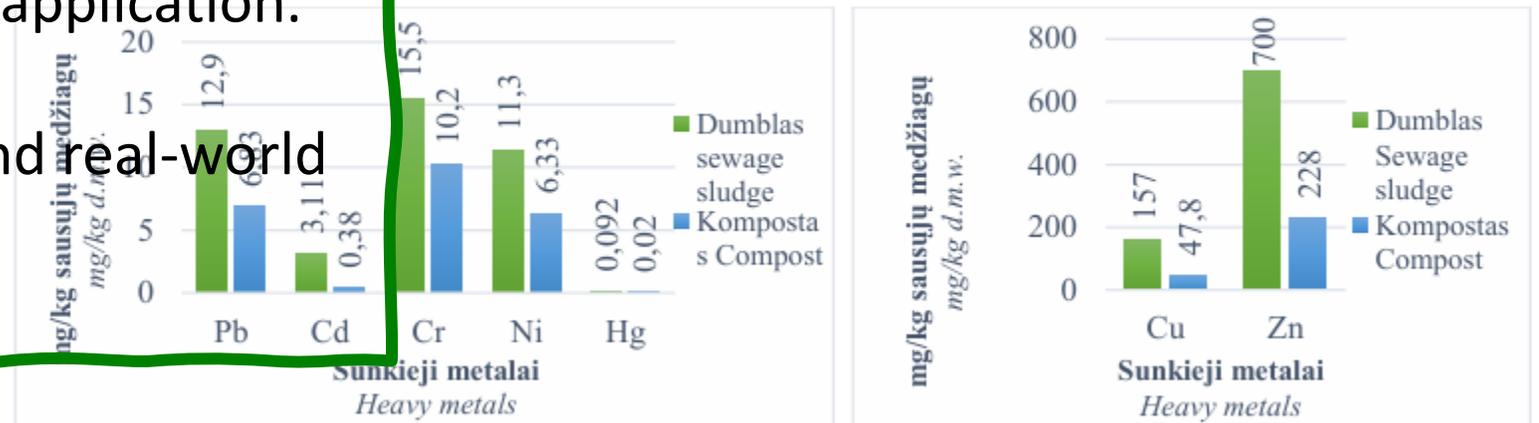


RESEARCH AND INNOVATION: DRIVING FUTURE SOLUTIONS

Provide evidence-based guidance for policymakers and strengthen the scientific foundation for safe, sustainable application.

Accelerate technology transfer and real-world implementation.

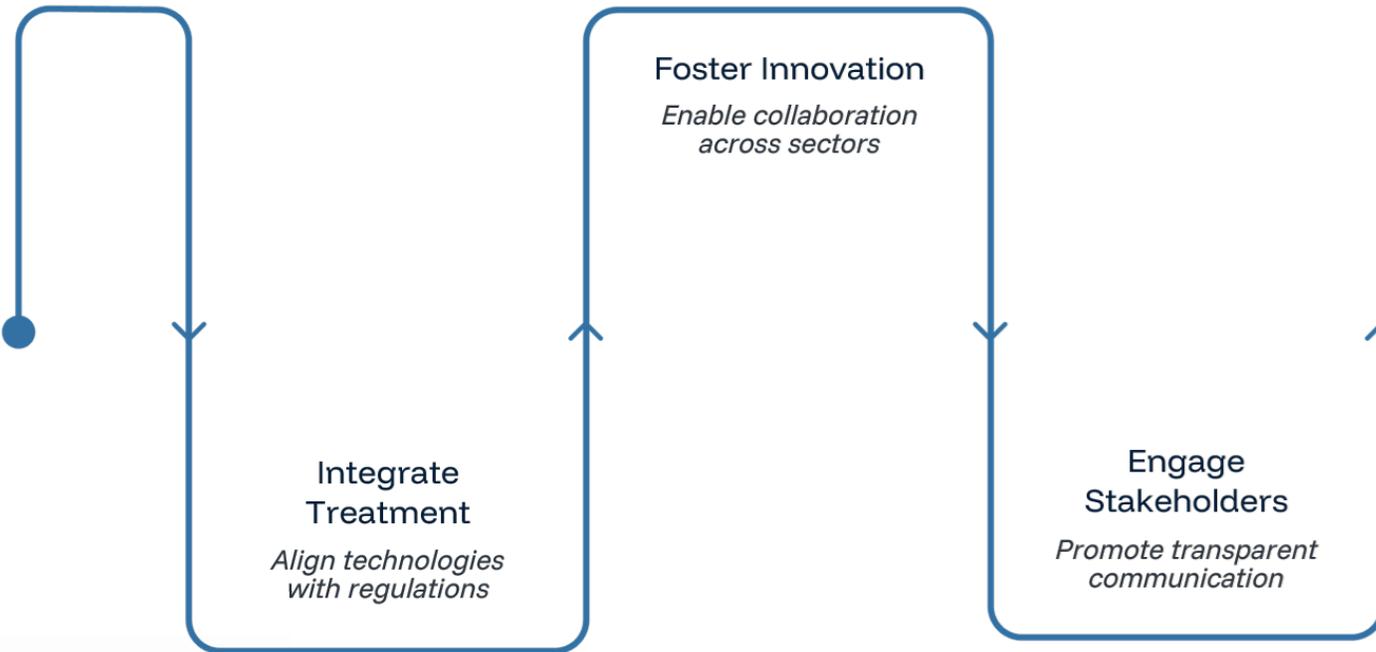
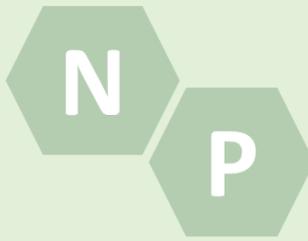
ISSN 1822-1823 (Print) ISSN 2538-9122 (Online) <https://doi.org/10.7220/2538-9122.2024> Žmogaus ir gamtos sauga 2024, VDU



4 pav. Sunkiųjų metalų kiekio nuotekų dumble ir komposte palyginimas
Fig. 4. Comparison of heavy metal content in sewerage sludge and compost



NENUPHAR



Success requires coordinated action across technology, policy, and communication dimensions. Integrating advanced treatment with harmonised regulations ensures quality assurance, whilst international collaboration accelerates innovation and reduces costs.





**Are we ready to lead the change
or wait for others to act?**

Akvilė Jagučanskytė

nrda@nrda.lt



**Co-funded by
the European Union**

The project is supported by the European Union under grant agreement N° 101082169. Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.