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BIOLUBRICANTS FROM URBAN SEWAGE SLUDGE

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THE PROJECT

In LIFE BioLubridge a new process will be demonstrated on a pilot scale, by treating thickened urban sewage sludge with the aim of:

recovering lipid contained therein for generating biolubricants

reducing final residual sludge disposal and improve its final quality and properties, encouraging the safe use of sludge in agriculture

Lipids will be purified and converted into biolubricants, which will be tested for specific applications in the field of metalworking fluids.

ENVIRONMENTAL PROBLEMS



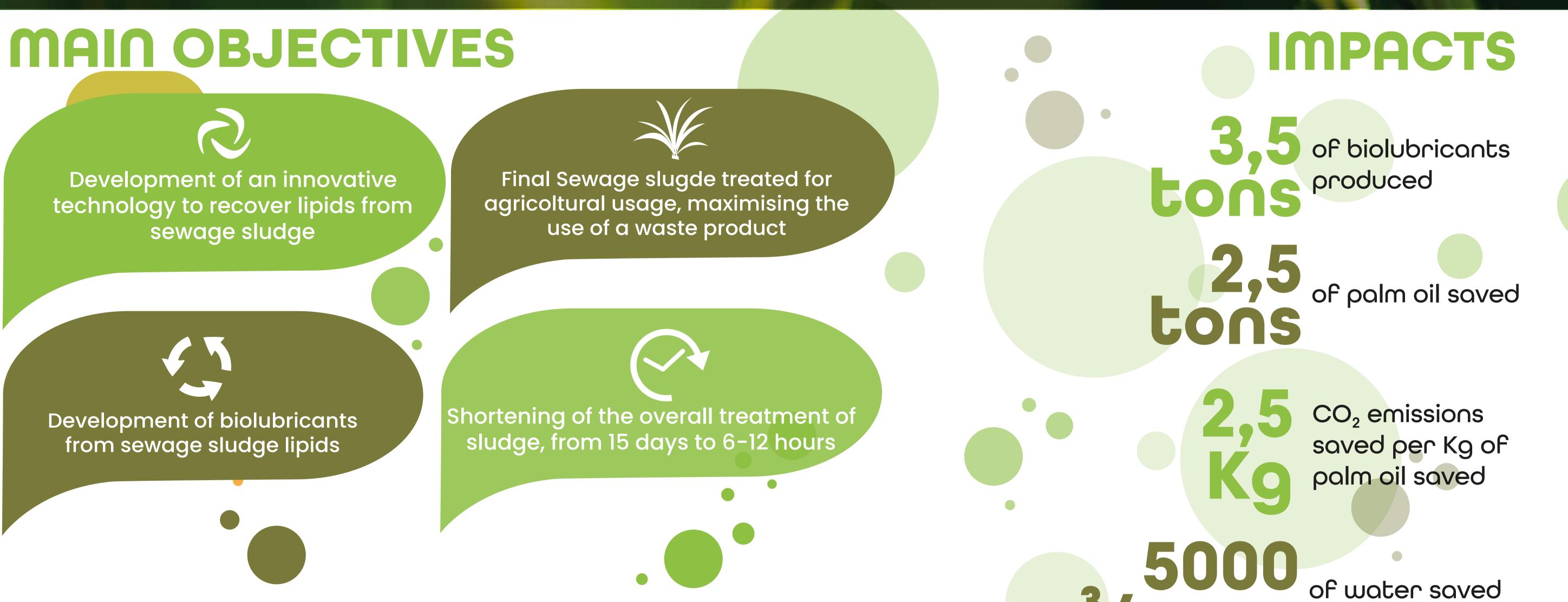
WASTE MANAGEMENT ISSUES Sewage sludge in Europe is increasing fast but it cannot be used in agricolture because

of the increasing amount of "emerging polluntants" it contains.

ENVIRONMENTAL POLLUTION lubricating oil is emitted into the environment, impacting on soils, groundwater, vegetation, and animals.

RAW MATERIALS SCARSICITY

Overuse of virgin natural resources for biolubricants production





PROJECT DETAILS

PROJECT TITLE: Biolubricants from urban sewage sludge ACRONYM: LIFE BioLubridge SECTOR: Waste START DATE: 01/09/2021 END DATE: 31/08/2024 EU CONTRIBUTION: 1,352,049 Euro



With the contribution of the LIFE Programme of the European Union. LIFE20 ENV/IT/000452

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