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CLOSECYCLE

Interreg
North Sea



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PopUp talk

CLOSECYCLE likes to invite you for the online PopUp talk of CLOSECYCLE about measuring and monitoring microplastics in soils. The PopUp Talk will take place on November 22th 2024, from 14-16h.

Caroline De Tender and Lisa Joos of the University of Gent will update you about this important subject during this PopUp Talk. They represent the project MiCoS. In this project the problem of microplastics is thoroughly described and the project is also searching for solutions and risk reduction. Caroline and Lisa will tell us about the following activities within the project:

1. Description of the amount of microplastics which can be found in the soils and the scope of the problem;
2. The risk assessment which is carried out: what is the effect of microplastics on soil and plant health?
3. And the possibilities of risk reduction: how can we reduce the amount of microplastics in the soil?

Soil health is a theme that is becoming increasingly important! However, our soils have had to endure a lot in recent years: prolonged droughts followed by periods of excessive precipitation, nutrient shortages and pollution. An important source of pollution that has been receiving more attention last years is plastic. Especially the small fraction of plastics, also called microplastics (< 5 mm). Although research into these microplastics in soils is still in its starting up phase, it has already been shown that these microplastics can harm microbial life. They negatively effect plant growth and drastically reduce the water balance of the soil. In addition, soils also play an important role in the flow of these microplastics to other ecosystems, such as groundwater. In the project MiCoS the focus is on these microplastics. In the project CLOSECYCLE potential organic waste streams are characterized and analyzed. A series of analyses is on microplastics. That is were the CLOSECYCLE project and the MiCoS project can reinforce each other! For the PopUp Talks, CLOSECYCLE invites experts to explain about relevant subjects, related to the CLOSECYCLE project.

For the MiCoS project, please take a look on the website: <https://www.micos.ugent.be/nl>.

For joining the PopUP Talk: please send us an email: closecycle.nsr@gmail.com. You will receive the invitation for the Zoom meeting a week before.

In short:

- **PopUp Talk MiCoS; about measuring and monitoring microplastics in soils**
- **Date: November 22th 2024,**
- **Time: 14-16h.**

- Location: online
 - Presented by: Caroline De Tender and Lisa Joos of the University of Gent
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Agenda

Pop-Up talk

- 13.30: Opening online zoom area and possibility to enter
- 14.00: Introduction of PopUp Talk and presentation of the speakers
- 15.30: Discussion
- 16.00: Closing PopUp talk

Want to join the PopUp talk? Please send an e-mail to: closecycle.nsr@gmail.com. We will send you the link to join the online PopUp Talk!

Introduction CLOSECYCLE

In January 2024 the project started with the focus on using and upgrading residual waste streams into useful end products. In all participating countries, Denmark, Germany, Sweden, The Netherlands, Belgium and France, Territorial Bio refinery Networks are formed. In these networks, companies and organisations will discuss and develop new products from local residual waste streams. Characterization and testing suitability are part of the project. By applying the appropriate processes, we will end up with useful products that support plant-soil systems and products for industry. Also by products like methane and warmth will be used again.

CLOSECYCLE and its partners want to keep you informed about the progress of the project. And also providing a platform with information about the subjects of CLOSECYCLE and broader. The PopUp Talks are one way to inform you! More information about the project? Please look at the [website of CLOSECYCLE](#).



efficient

use of
regional
residue

digital

package to improve local
bioresource management

building

networks and
demonstrate use cycles
with local value creation



a more efficient
use of residual
rural and urban
bioresources

Next years you will hear more about CLOSECYCLE! Interested in the project and its results? Than please subscribe for the newsletter. Don't want to receive the newsletter? Then please let us know.

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[*Closecycle.nsr@gmail.com*](mailto:Closecycle.nsr@gmail.com)

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