

Institute of Applied Mycology

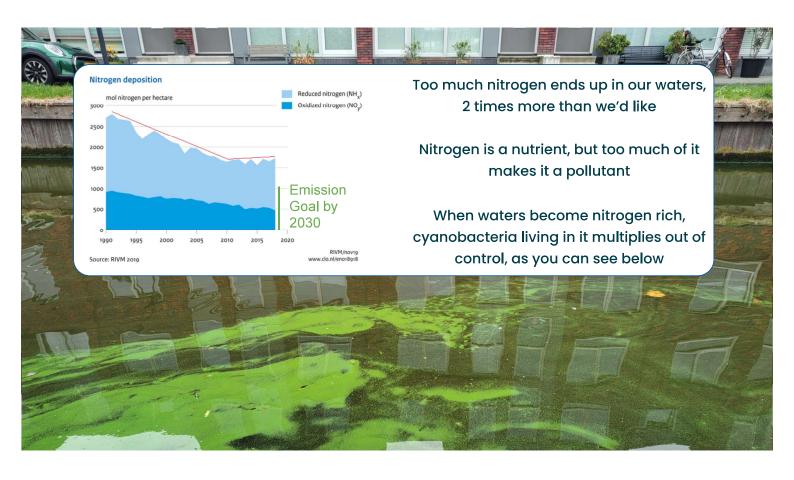
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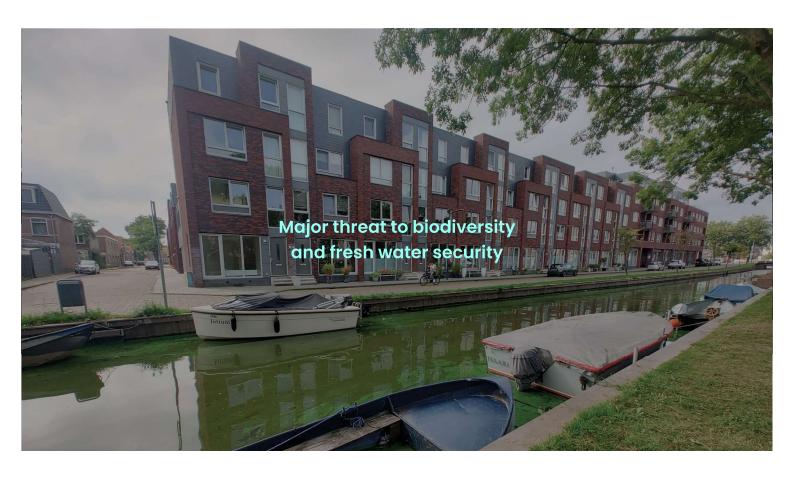












The Nitrogen Crisis













+ Nitrogen leaching (nutrient leaching*)

In order to reduce the amount of



Farmers have to reduce the amount of & &



Nutrient leaching accounts for more than 50% of the total nitrogen emissions from agriculture*

*Ministerie van Volksgezondheid, 2016

Or do they?





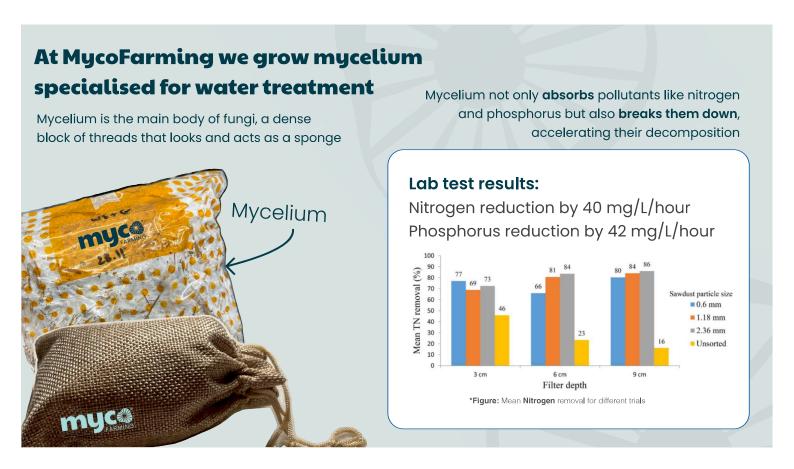
To be able to grow more food while polluting less

We also need to be able to sustain our ability to deal with our increasing levels of pollution

How does nature deal with all of our 🛕 💂



The answer is fungi





What's coming?

Pilot for Mycofiltration at dairy farms

Partnered with Deltares for water quality analysis





MycoFarming is conducting **the first** pilot project for mycofiltration in a dutch farm setting

In labs the technology has shown reductions of more than 90% of Nitrogen and Phosphorus

Pilot at festivals

Fun & groundbreaking, we will also be conducting a pilot with Innofest at DGTL ADE to test the potential use of mycofiltration at festivals

MycoFarming is led by Juan Cruz Tubio, systems engineer, the core that drives MycoFarming





Our research team is led by dr. Osarenotor, one of the world leading mycologists specialising in wastewater management

Our commercial team is led by Rutger de Bruijn, ex-Rabobank* Venture Builder





Our engineering team is led by Agustin Manzione, a reliable FAANG engineer

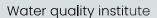




Our partners











Incubators & Accelerators













Growing fungi is circular, it grows happily from our waste

Just like cows turn our plant waste into food, fungi turn paper & plant waste into mycelium

And with mycelium we can do all sorts of things, from construction materials to water treatment

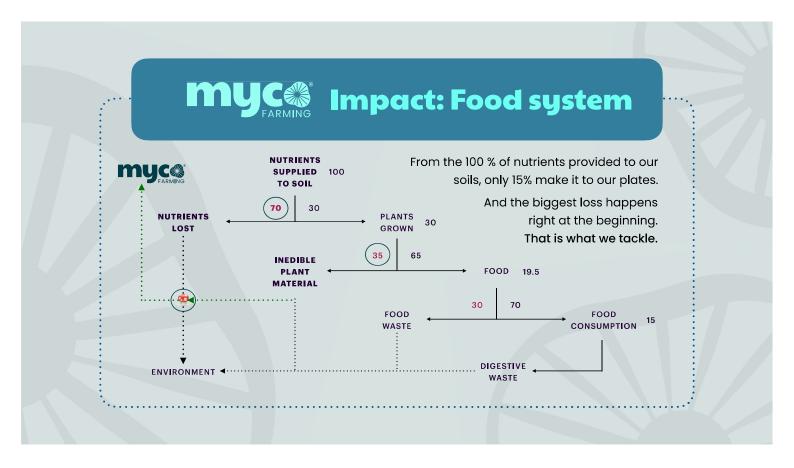
Contributing to international Sustainable Development Goals







MycoFarming is part of Amsterdam Circular edition #3





Competitive Landscape

What about biological solutions?

At the moment, **biological solutions** are being explored but **tend to be found lacking in terms of:**

- Limited range of pollutants that can be treated
- Limited time efficiency
- Biological constraints of application

Our mycelium is here to change this



Synergies

Our mycelium is highly synergistic with existing technologies

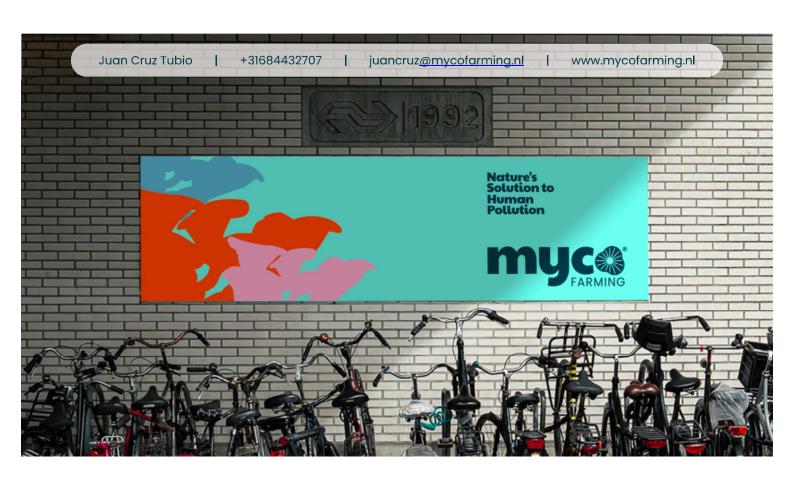


With phytoremediation

With existing water treatment plants

In nature fungi grows through symbiotic relationships

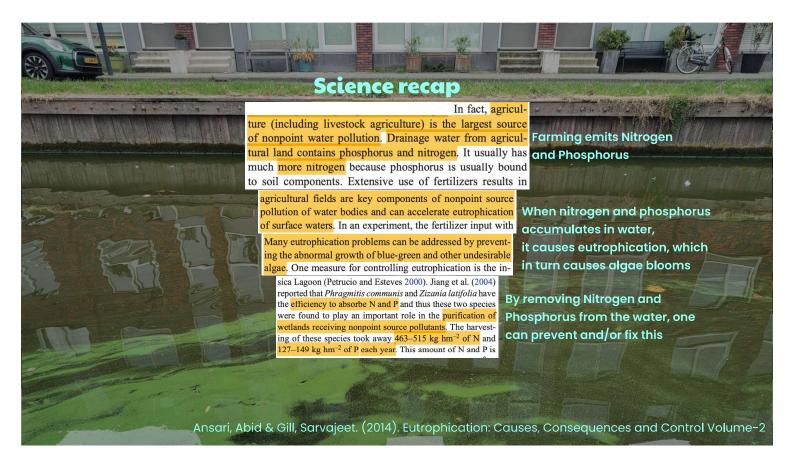
So do we, get in touch to pilot our technologies together

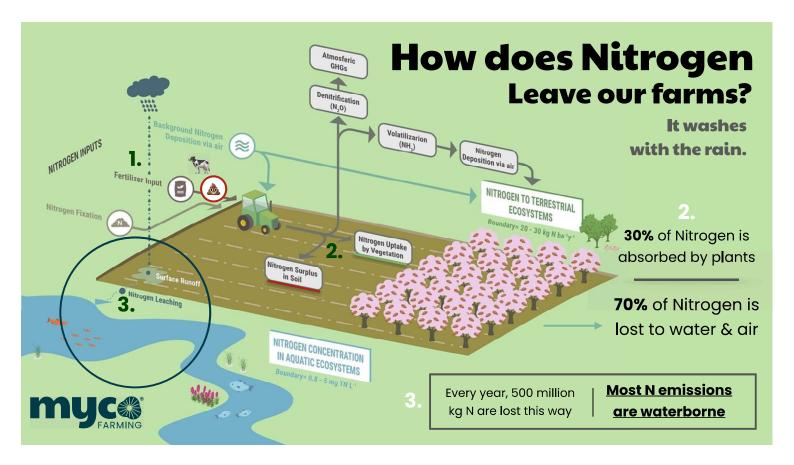


Additional slides



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Market analysis





Mycofilters treat effluents from:

- Agricultural
- Urban
- Textile
- Personal care
- Healthcare

and Cosmetic wastewater

Combined, the treatment of their effluents make up our TAM

Our beachhead market is dairy farming, main nutrient polluter and in need for a solution

