

# Horizon Europe 2021 Call factsheet



## Optimization of nutrient budget in agriculture

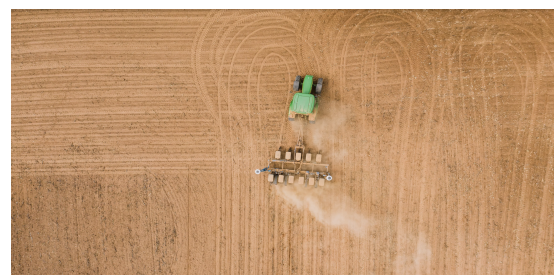
Sustainable agricultural production systems not only deliver nutritious food and other raw materials, they are also key drivers of economic growth in rural areas. Unsustainable agricultural systems can cause a variety of adverse environmental effects, such as climate change, loss of biodiversity, and air and water pollution due to poor management of nutrients.

### Scope:

- Optimise and harmonise nutrient and water flow models, indicators and data for quantification and assessment to prevent or reduce environmental pollution caused by nutrients
- Explore and assess safe alternative nutrient sources and pathways
- Enhance nutrient use efficiency at different levels.
- Analyse climate change effects of certain nutrient flows
- Develop biological models for nutrients flows
- Develop digital platforms to allow precision nutrient management at farm scale and landscape scale

### Topics:

- Improve nutrient budget and flows
- New approaches and methods supported with sound indicators to monitor and measure nutrients flows
- Identification and targeted implementation of individual or combined region-specific agricultural practices that help balance nutrient cycles
- Improved nutrient budget at different scales



Horizon Europe

The indicative budget for this category is EUR 7.00 (Million).

### Reference:

**HORIZON-CL6-2021-ZEROPOLLUTION-01-02**

Research and Innovation

Opening: 24 Jun 2021

Deadline: 29 Sep 2021

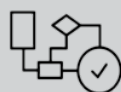
Call overview, Produced 14/06/2021. Visit our website [www.opencalls.space](http://www.opencalls.space)

### Countries



all

### Technology



Remote sensing

### Activities



Research and development on water flow models, develop digital platforms

### Contact



[info@groundstation.space](mailto:info@groundstation.space)