

International Fertilizer Association and Proba launch global program for greenhouse gas (GHG) emissions reduction

PARIS, FRANCE, October 14, 2024

[/EINPresswire.com/](https://EINPresswire.com/) -- The International Fertilizer Association ([IFA](#)) is partnering with supply chain decarbonization startup [Proba](#), to support the development of a new quantification and verification standard to incentivize the wider adoption of enhanced-efficiency fertilizers, specifically focusing on nitrification and urease inhibitors. These inhibitors are compounds that can be added to inorganic or organic fertilizers to reduce nitrogen losses, including greenhouse gas emissions (GHG) such as nitrous oxide, by slowing down specific biological processes.



By working with the voluntary carbon market, this program aims to create a powerful mechanism to share costs and de-risk the adoption of inhibitors across the fertilizer supply chain, using inseting strategies to drive both innovation and sustainability.

Fertilizers are an essential agricultural input, supplying critical nutrients like nitrogen, phosphorus and potassium to crops. By enhancing soil fertility and boosting crop yield, they are key to feeding the global population and supporting human nutrition. However, the production and application of nitrogen fertilizers alone contribute to about 1.1 billion tonnes of CO₂-equivalent greenhouse gas emissions, of which about 60% occur as nitrous oxide from agricultural fields.

IFA Project lead, Chief Scientist Achim Dobermann, said:

'We are excited to begin the first stage of this important project, focused on the downstream supply chain of nitrogen-based fertilizers. We believe that a well-coordinated, science-based, and technology-focused approach led by IFA and its members is more effective and sustainable than a multitude of individual, product-specific protocols. Building on inhibitors as a first use



Fertilizers contribute ~7% of agri-food emissions. Insetting and carbon finance can cut emissions by up to 50%. We're excited to work with IFA to scale this technology."

Sijbrand Tieleman

case, this project could evolve towards a broader, sectoral decarbonization program linked to carbon finance.'

Sijbrand Tieleman, CEO at Proba said:

"There are too many emissions in the agri-food supply chain, with fertilizers contributing around 7% of the total. These emissions are hard to eliminate, but proven technology exists today to reduce them significantly. Inhibitors, for example, can cut greenhouse gas emissions by up to 50%, depending on regional, crop, and soil conditions. The challenge now is incentivizing the supply

chain to adopt this technology at scale. By using an insetting approach – where emissions reductions are accounted for within the supply chain itself – and leveraging carbon finance, we can support farmers in this transition. Downstream participants in the value chain, such as food companies, can report reduced scope 3 emissions and market greener products without fear of greenwashing. The technology is mature, effective, and ready for adoption now. We're excited to work with IFA to make this vision a reality."

The project will be funded by 11 IFA members, whose representatives will actively participate in its development.

Erna Maciulis

Proba

+31 6 36319990

erna@proba.earth

Visit us on social media:

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/750666732>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.