



METHARION

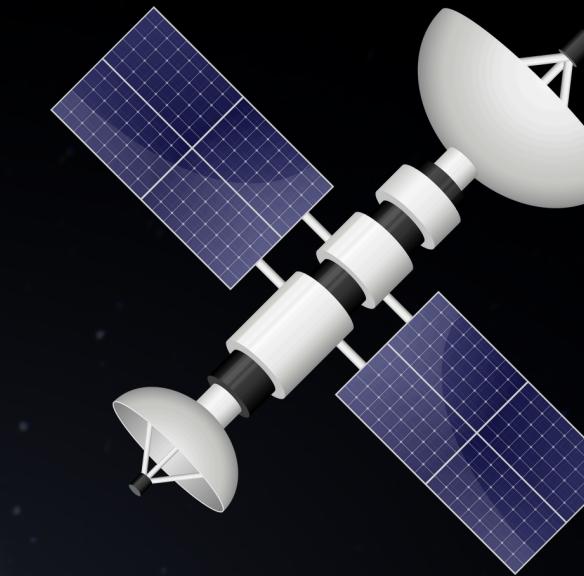
CAPTURE AND CONVERSION OF
METHANE TO METHANOL USING
MODULAR BIOREACTORS

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Our challenge

Uncover the Role of Greenhouse Gases in Your Neighborhood!

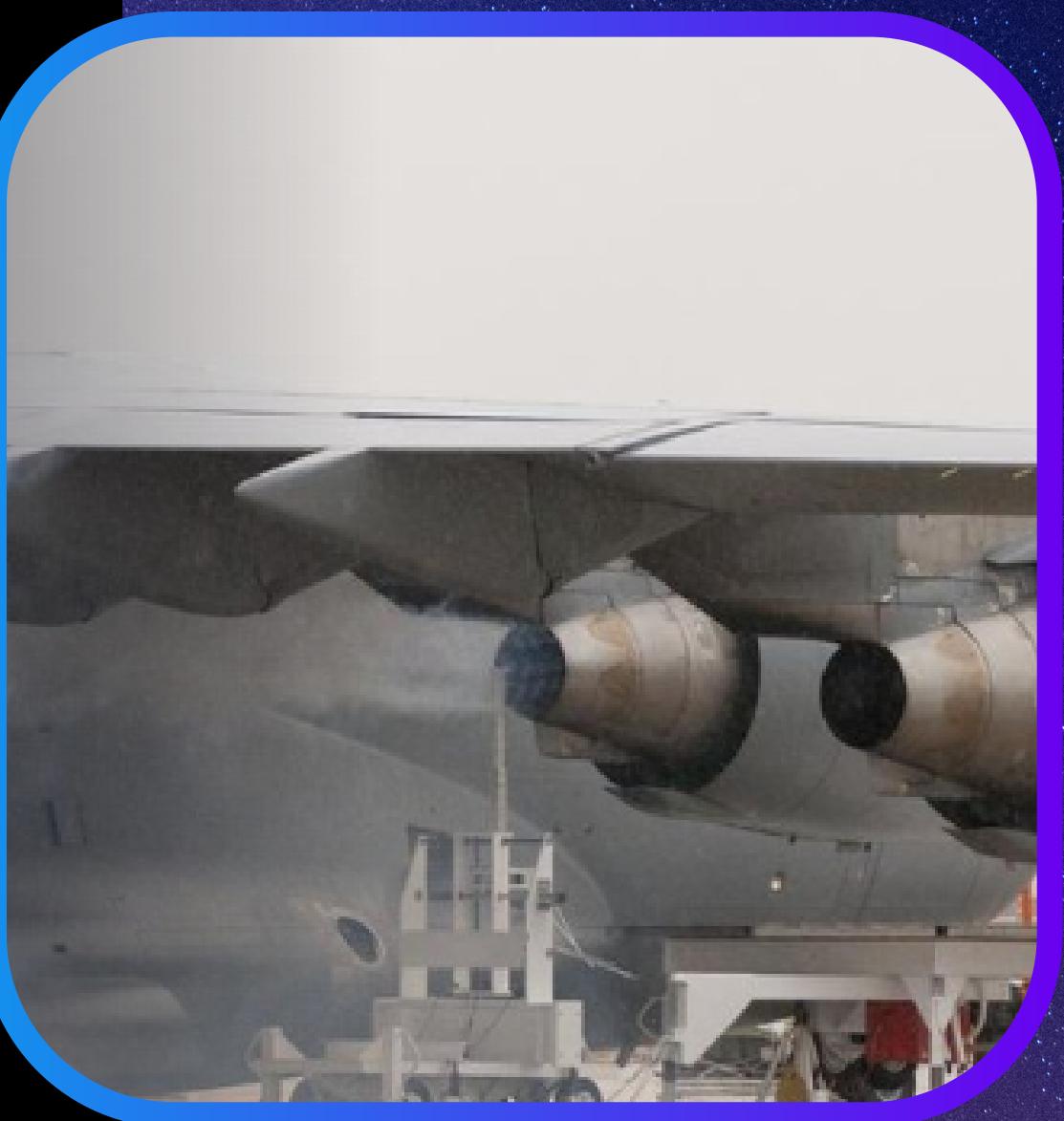
Global Challenge

Methane is 86 times more potent than CO₂ over a 20-year period.



contributing

Climate Change



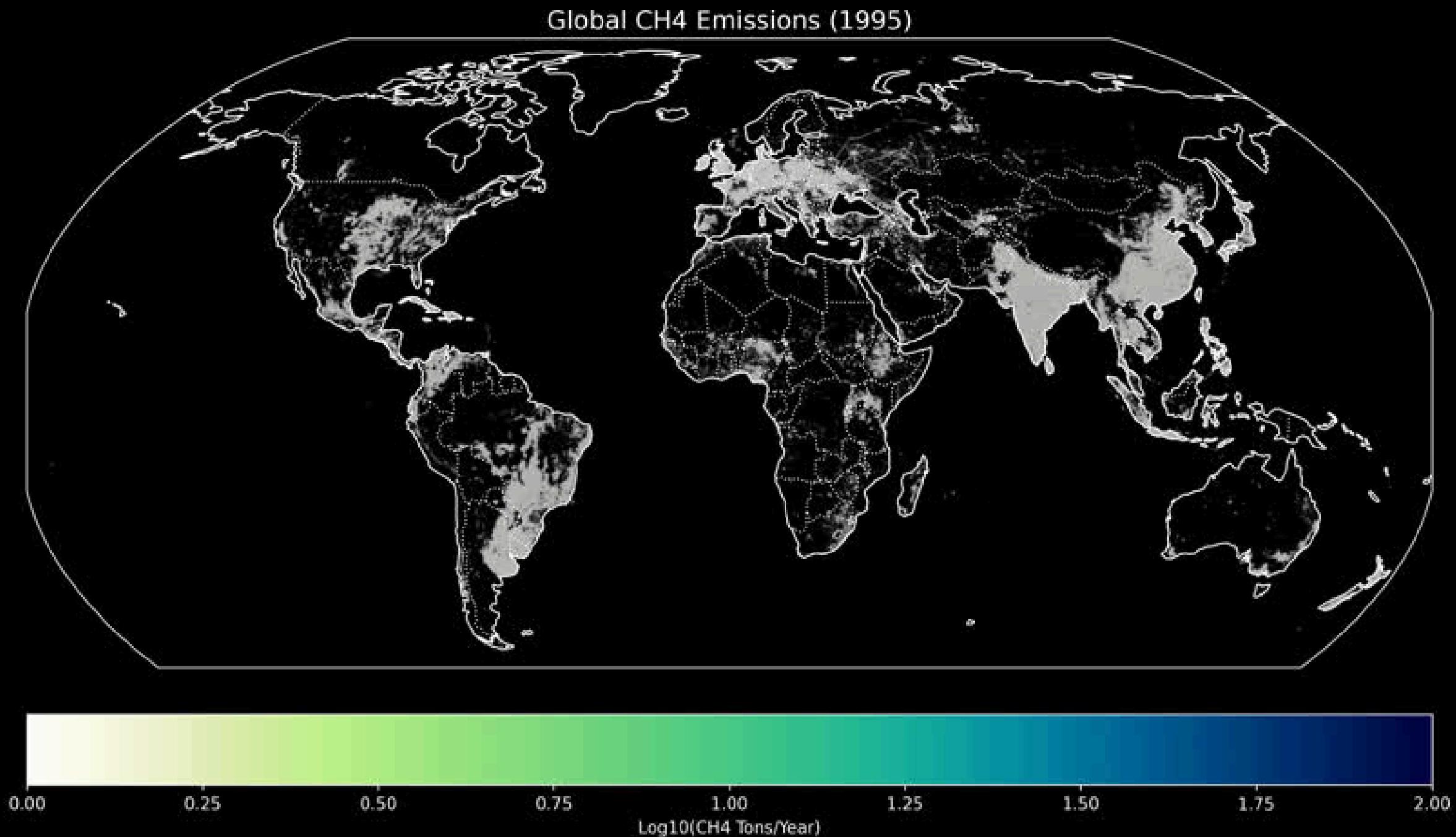
Metharion Solution

Metharion is a biotechnology technology that captures methane using genetically modified bacteria and converts it into methanol, a useful resource. Our approach combines innovation with environmental sustainability.



Spatial Technology and Open Data

We use NASA satellite data to identify the areas with the highest methane emissions in order to prioritize the most critical areas and install our bioreactors.



Operation of the Project

Metharion operates through modular bioreactors that house *Methylosinus trichosporium* bacteria, which oxidize methane to methanol.

It is efficiently separated and used in various industries.



Impact and Benefits



Environmental impact

Significant reduction in methane emissions.



Economic impact

Methanol production for chemical and biofuel industries.

Metharion
turns a
problem
into an
opportunity

Metharion: Capturing the Future

Our next step is to expand Metharion globally, starting in critical areas such as agriculture, landfills and waste management. With each bioreactor installed, Metharion captures methane, converts it to methanol and creates a cleaner, more efficient world.

In the long term, our goal is for Metharion to be a global standard in greenhouse gas capture and conversion, helping to transform emissions into valuable resources for the industries of the future.

Together we can transform methane into a solution to climate change. Metharion doesn't just capture methane, it captures the future!

