

## **One Carbon Bio platform for sustainable industrial chemicals**

A fossil-fuel-based economy emits 1 billion tons of CO<sub>2</sub> annually to produce industrial chemicals. To achieve net-zero goals by 2050 and limit the global temperature rise to 1.5 °C, we need to redefine the production of industrial chemicals.

To address these challenges, Acies Bio developed a One Carbon Bio, a powerful synthetic biology platform that can leverage and improve the power of microbes' ability to convert CO<sub>2</sub> derived feedstock into value-added chemicals. Using C1 feedstock, a significant reduction of CO<sub>2</sub> emissions and usage of arable land for biological production of industrial chemicals is achieved. One Carbon Bio is leveraging the existing fermentation capacities and thus reducing the time and Capex investment to produce sustainable industrial chemicals.

The platform consists of patented chassis strains, industrial, high-cell density fermentation solutions, and a powerful genetic toolbox to generate strains producing different classes of biological molecules, from plastic monomers to aminoacids.