



CASE STUDY | SUSTAINABLE BIOTECHNOLOGY

## CO<sub>2</sub> & Methane Conversion

Enzymes and proteins are indispensable for developing sustainable processes to remove carbon dioxide and methane from our atmosphere and manufacturing high-value products. While some carbon dioxide and methane-metabolizing enzymes are already investigated, or IP protected, many more are here to be discovered. As part of the InnCO<sub>2</sub>Search program, supported by the Austrian FFG funding agency, we aim to compile a database of carbon dioxide and methane-converting and -binding enzymes in one platform. Important building blocks in this endeavor are the search and identification of new and previously unknown

enzymes based on our Catalophore™ technology combined with an automatic expansion with AI and Deep Learning. This creates the opportunity to explore entirely new biotechnological processes while regaining the freedom to operate free from patent restrictions.

The database will become available by the end of 2023. Innophore is already conducting preliminary discussions with potential users to better tailor the setup and the subsequent benefits to the user. If you are interested, don't hesitate to get in touch with us *via* email, LinkedIn, or social media.

