

Novozymes and the Sustainable Development Goals

Novozymes is the global market leader in biological solutions, producing a wide range of industrial enzymes and microorganisms. The intrinsically sustainable nature of Novozymes' products enables us to contribute to many of the Sustainable Development Goals (SDGs) adopted by the UN General Assembly.

Novozymes' purpose, business strategy and targets are inspired by the SDGs because our solutions enable us to contribute to one or more of the SDGs every single day. All projects in our innovation pipeline are assessed in relation to their potential impact on the SDGs. This enables us to advance solutions that could have a highly positive impact on the SDGs.

In 2019, as part of our strategy review process, we identified new business areas that directly address the societal needs outlined in the SDGs. We believe in the power of partnerships and most of our contributions are driven through collaboration. SDG 17 (Partnership for the goals) is therefore a guiding principle for our company and the way we do business. In addition, we believe Novozymes' technologies and actions can contribute significantly to six of the seventeen SDGs:



See also [Novozymes and the global goals](#) for more details about how we contribute to the SDGs



GLOBAL GOAL 2: ZERO HUNGER

The world needs to provide enough healthy, affordable and sustainably produced food for a growing population. Many of our products help farmers around the world increase their crop productivity using products containing naturally occurring microbes. Many of our Food & Beverages solutions contribute to reducing food waste and making food production systems more sustainable. Novozymes is an active partner of the Sustainable Food Platform, an initiative under the P4G partnership that aims to rethink market-based solutions for food and nutrition security in Africa.

In 2019, the partnership developed its first product idea for a healthy, nutritious and affordable biscuit, in which Novozymes' enzymes enable the addition of protein-rich flours.



GLOBAL GOAL 7: AFFORDABLE AND CLEAN ENERGY

Novozymes actively promotes the development and increased use of renewable energy. Our solutions enable the development of low-carbon fuels in transportation, which represents a significant share of the global energy mix and related GHG emissions. Novozymes is an active member of the UN Sustainable Energy for All (SE4All) initiative. In collaboration with the World Business Council for Sustainable Development and other partners, we helped launch below50 – a partnership to promote the use of more sustainable low-carbon transportation fuels.

In 2019, Novozymes launched Fortiva®, an alpha-amylase product that converts more starch to useable sugars, resulting in 1% higher ethanol yields for sustainable biofuels.



GLOBAL GOAL 4: QUALITY EDUCATION

Education is a high priority for Novozymes. We believe that raising awareness about biology, biotechnology and the environment will lead to more people adopting and developing sustainable solutions in the future. Since 2015, Novozymes has helped more than 941,000 people learn about biology and how it enables a sustainable future, by engaging with local schools, universities and communities.

In 2019, we conducted several educational activities aimed at external audiences. One example is “The Little Biologists” program in China, which is run by Novozymes in partnership with DoItTogether. The program engages with communities and schools to teach people about biobased solutions in everyday life.



GLOBAL GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION

Unsustainable consumption and production behaviors are pushing the planet's ecological systems beyond its limits. Food systems, in particular, are linked to global environmental, social and economic challenges. Many of Novozymes' solutions, for example in BioAg, baking, and animal health and nutrition, enable more efficient production, reduce the use of resources, and minimize losses across food systems.

In 2019, Novozymes launched Frontia® Jade, a new enzymatic solution for the corn milling industry that enables an increase in starch output by 2% and corn gluten meal by 3%, resulting in increased food production while also enabling energy savings.



GLOBAL GOAL 6: CLEAN WATER AND SANITATION

Over two billion people live in countries experiencing high water stress caused by water scarcity or pollution. There is a growing need for solutions to ensure clean and efficient water use.

Novozymes' water platform provides solutions that can prevent pollution by replacing chemicals and make wastewater treatment more efficient. We are also exploring ways to remove nitrogen from both drinking water and wastewater. Many of Novozymes' solutions help our customers reduce their consumption of water and reduce wastewater. In addition, we enable more innovation in water through our open innovation platform HelloScience.



GLOBAL GOAL 13: CLIMATE ACTION

Climate change has always been an important topic for Novozymes. We are committed to helping the world limit global warming increase to 1.5°C by 2030 and achieve the goal of the Paris Agreement. For many years, we have enabled our customers to reduce their CO₂ emissions by applying our solutions. In 2019, Novozymes supported the implementation of the Renewable Energy Directive (RED II) in Europe. In partnership with industry organizations, Novozymes focused on maintaining direct dialogue with influencers and policy makers to advocate for the use of renewable fuels.

We focus on helping reduce emissions in the transport sector by enabling the production of low-carbon fuels. We also work towards reducing the impact of our own operations. In 2019, we supported the campaign "Business Ambition for 1.5°C – Our Only Future" as one of its first signatories.