

Environmental footprint

Lundbeck's research, development and manufacturing activities are largely based on chemical synthesis, meaning we use considerable amounts of organic solvents and energy, generating waste and air emissions.

Our commitment

Lundbeck is committed to reducing consumption, emissions, and waste across our value chain. We take our environmental responsibilities seriously and manage our impacts through our integrated Health, Safety, and Environment (HSE) strategy, supported by our ISO 14001-certified HSE management system. This framework encompasses our operations in research, development, manufacturing, and headquarters functions.

Our ongoing commitment to environmental sustainability is reflected in our significant achievements over the years. We have successfully manufactured pharmaceuticals while minimising energy consumption and CO₂ emissions, alongside continuous improvements in chemical and general waste recycling.

We have also made progress by integrating environmental considerations into the development of new products and processes. We prioritise the use of green chemistry and circular economy principles, optimising our synthesis to achieve high process yields while utilising the least harmful substances. In our production phase, we focus on recycling organic solvents, which not only benefits the environment but also provides financial advantages. This approach has allowed us to eliminate the need for thousands of tons of virgin materials, significantly reducing the resources required for production, transportation, and waste management. All these initiatives also have a significant impact on reducing the overall pollution levels by the company.

Moreover, Lundbeck actively monitors the environmental effects of active pharmaceutical ingredients in our new medicinal products. Through comprehensive biological and physical/chemical studies as part of our Environmental Risk Assessment process, we assess the impact on various aquatic organisms. The knowledge gained from these assessments informs our manufacturing processes, ensuring minimal environmental impact.

Our future challenges and opportunities

- Contributing to the development of environmentally sound technologies e.g. implementation of continuous processes in the production.
- Systematically performing risk assessments prior to new facilities, buildings and processes.
- Continuously minimising the use of raw materials and reducing pollution, air emissions and generation of waste by recycling of organic compounds, process optimizations and circular economy, enabled by eco-design and product stewardship in new medicine development.
- Supporting initiatives to improve data quality and to minimise the presence and effects of pharmaceuticals in the environment. See our *Position on Biodiversity*.

- Developing and maintaining the environmental principles in the Lundbeck Supplier Standards.
- Continuously reducing our CO₂ emissions. See our *Position on Climate Change*.
- Continuously reducing our water consumption. See our *Position on Water*.
- Keeping an open and honest dialogue with our stakeholders e.g. by reporting our performance in our Annual Report and in [Carbon Disclosure Project](#) (CDP).

In our latest Annual Report, you can read more about our activities and performance.

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