

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. We manage these environmental impacts through our integrated Health, Safety and Environment (HSE) strategy which helps us ensure a prioritised and coordinated effort. All our HSE activities are coordinated via our ISO 14001-certified HSE management system that covers research, development and manufacturing sites globally, as well as our headquarter functions.

Strategic Objectives

For a number of years, the strategy and the HSE system has yielded a number of significant results. It has enabled us to safely manufacture pharmaceuticals while using less energy and emitting less CO₂ than ever before.

Environmental considerations are integrated already when developing new products and processes. We seek to apply green chemistry and circular economy principles and optimise our synthesis to have high process yield and to use the least harmful substances and apply processes that pose the lowest risk to the environment. In the production phase, regeneration of solvents is a way to gain both environmental and financial benefits. This has allowed us to eliminate the need for thousands of tons of virgin materials and reduced resources for production, transportation and waste management.

Based on an Environmental Risk Assessment Lundbeck also monitors the environmental effects of the active pharmaceutical ingredients in our new medicinal products. The knowledge which is gained is applied to the design and manufacturing process resulting in the least possible 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 are established.
- Continuously minimising the use of raw materials and reducing air emissions and generation of waste by recovery of solvents, process optimisations and circular economy.
- 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*.

- Participating in the Environmental Protection Agency task forces, aiming to develop Best Available Technology regulation.
- Keeping an open and honest dialogue with our stakeholders e.g. by reporting our performance in our Sustainability Report and Carbon Disclosure Project (CDP).