



Takeda's Position on Biodiversity

Summary

As a science-driven company, Takeda recognizes that biodiversity is critically important to the environment, for human health, and the economy. Mankind depends on healthy ecosystems to provide the air we breathe, the food we eat, the water we drink, and the medicines on which we rely.¹ Without a suitably wide range of diverse plants, animals, fungi and microorganisms, ecosystems become less resilient and may be degraded or completely disrupted.² As a global biopharmaceutical company committed to providing better health for people and a brighter future for the world, Takeda:

- Recognizes the clear link between human health and environmental health;
- Recognizes that thriving ecosystems and biodiversity are essential for maintaining the “natural capital”, the habitats and natural processes, that support all life on earth;
- Is committed to assessing and addressing the potential impacts of our business on the natural environment and supporting efforts to promote biodiversity.

Background

Biodiversity refers to the variety of living species on earth, including plants, animals, fungi and microorganisms. In nature, organisms interact symbiotically with each other and the non-living environment to create ecosystems that provide many of the goods and services on which humanity

¹ WHO. (2015, June 2). Retrieved from Our lives depend on a healthy planet: https://www.who.int/health-topics/climate-change#tab=tab_1

² IPBES. (2019). *Global Assessment Report on Biodiversity and Ecosystem Services*. Retrieved from <https://ipbes.net/global-assessment>

and all other species heavily rely.³ It is estimated that over half of the world's combined gross domestic product (GDP) is moderately or highly dependent on nature.⁴

Biodiversity is currently under severe pressure. According to the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, biodiversity and the health of ecosystems is declining globally at rates unprecedented in human history. This is eroding the foundations of our economies, food supply, security, health, and quality of life worldwide. These losses, while being accelerated by climate change, are considered to be driven mainly by habitat destruction, pollution, over-exploitation of resources, and introduction of invasive species. The scientific community is united in stating the need for immediate action to slow, halt, and reverse biodiversity loss, and to restore nature.⁵

Takeda's Perspective

Environmental stewardship is embedded in our corporate philosophy and guides our actions. Biodiversity loss will have profound consequences for human health if impaired ecosystems can no longer provide clean water, food, recreation, and other services that contribute to human health and well-being. The private sector benefits from healthy biodiversity and vibrant ecosystems, and it shares responsibility for biodiversity loss and the declining health of ecosystems. Takeda therefore believes that the private sector has an important role to play in the preservation and restoration of nature. We are committed to understanding and minimizing the potential impacts of our business on biodiversity and to supporting efforts to promote biodiversity throughout our operations.

Takeda has taken meaningful actions, which include:

- Performing biodiversity risk assessments across all Takeda manufacturing sites globally. The assessment included a screening of risks based on the potential presence of threatened or protected biodiversity areas in proximity to our facility locations, as well as the potential pressures on biodiversity from our site activities.
- Caring for Takeda's Garden for Medicinal Plant Conservation⁶ which is home to over 3,000

³ IPBES. (2019). *Global Assessment Report on Biodiversity and Ecosystem Services*. Retrieved from <https://ipbes.net/global-assessment>

⁴ WEF. (2021, June 21). *Future of the Environment*. Retrieved from New report shows why fighting climate change and nature loss must be interlinked: <https://www.weforum.org/agenda/2021/06/new-report-shows-biodiversity-key-to-fighting-climate-change/>

⁵ IPBES. (2019). *Global Assessment Report on Biodiversity and Ecosystem Services*. Retrieved from <https://ipbes.net/global-assessment>

⁶ Takeda. (2022). *Safeguarding Plant Diversity for Future Generations*. Retrieved from <https://www.takeda.com/our-stories/caring/Safeguarding-Plant-Diversity-for-Future-Generations/>

species of plants, some of which are endangered. The garden was established over 80 years ago to help safeguard biodiversity and ensure that scientists have the opportunity to study these medicinal plants and potentially identify new ways of promoting good health and fighting illnesses.

- Promoting local initiatives to preserve and restore biodiversity, such as an employee vegetable garden and beehives at our site located in Neuchâtel, Switzerland, insect hotels and beehives at our site in Vienna, Austria, maintaining a natural pond, wildflower garden, and insect hotel at our site in Linz, Austria, maintaining a community garden at our site in Orth, Austria, and planting 240 trees at our site in Lessines, Belgium.

Moving forward, we will continue to increase our understanding of biodiversity and the interaction of our operations with critical ecosystems. Our efforts will continue to align with the widely accepted mitigation hierarchy of avoidance, minimization, restoration, and offsetting.

Conclusion

Takeda recognizes the critical link between healthy biodiversity, with vibrant ecosystems, and the health of all life on our planet. Biodiversity loss is a threat that must be slowed, halted, and reversed. We are committed to pursuing a better understanding of the holistic impact of our business operations and value chain on biodiversity and to taking appropriate action that will ensure the responsible and respectful stewardship of the natural environment.

About Takeda

Takeda is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to discover and deliver life-transforming treatments, guided by our commitment to patients, our people, and the planet. Takeda focuses its R&D efforts on four therapeutic areas: Oncology, Rare Genetics and Hematology, Neuroscience, and Gastroenterology (GI), with expertise in immune and inflammatory diseases. We also make targeted R&D investments in Plasma-Derived Therapies and Vaccines.

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