

Activities related to the "Conservation of Biodiversity"



Our three promises

PATIENT

For all patients

PEOPLE

For colleagues who work together

PLANET

For the planet that nurtures life

Takeda's efforts to conserve biodiversity

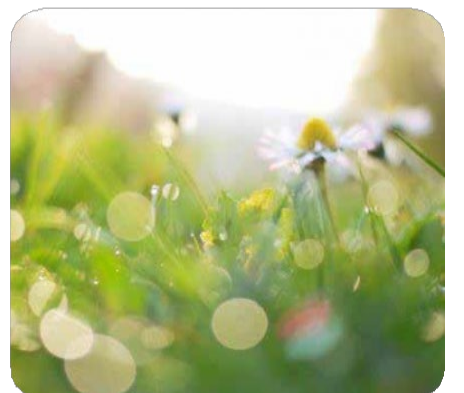
▶ Why Takeda strives to preserve biodiversity

There are still a lot of **unmet medical needs for diseases for which there are no effective treatments**

There are reportedly **as many as 50,000 to 70,000 types of plants that contribute**^{*1} to components of medications that support medical treatment

In the "Living Planet Index (LPI)" released in 2024, **wildlife populations were estimated to have declined by an average of 73% between 1970 and 2020**^{*2}

To protect the planet's ecosystem and human health, Takeda will harness our cutting-edge technologies and **lead the world with a strong awareness of environmental issues.**



What can Takeda Garden for Medicinal Plant Conservation, Kyoto do to "conserve biodiversity?"



Harnessing plant genetic resources that have been conserved for over 90 years

Three actions to promote the
"conservation of biodiversity"



"CONSERVE"

Protect plant-based genetic resources and also protect the regions and traditional cultures deeply connected to these plants



"CONNECT"

Collaborate with other institutions to pass on the plant species and techniques that have been passed down for at least 90 years to the next generation and the world



"COMMUNICATE"

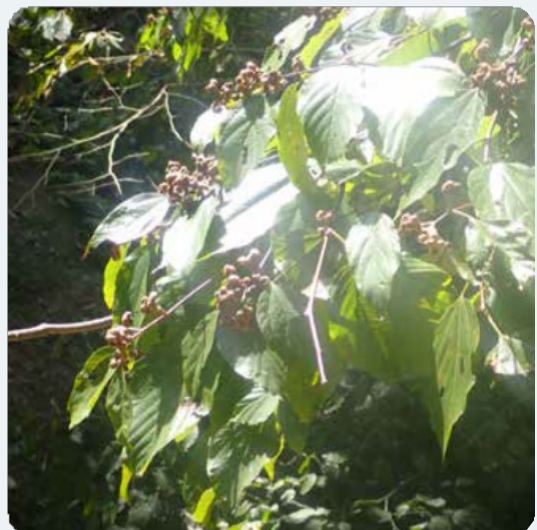
Effectively impart high-quality information on a variety of topics encompassing plants to an even broader range of generations

Promoting the Global Seed Exchange Program in collaboration with Kamigamo Experimental station, Field Science Education and Research Center, Kyoto University

The Global Seed Exchange Program, which began in 1955, promotes the conservation of biodiversity through the exchange of medicinal and wild plant seeds with botanical gardens around the world, thereby dispersing risks

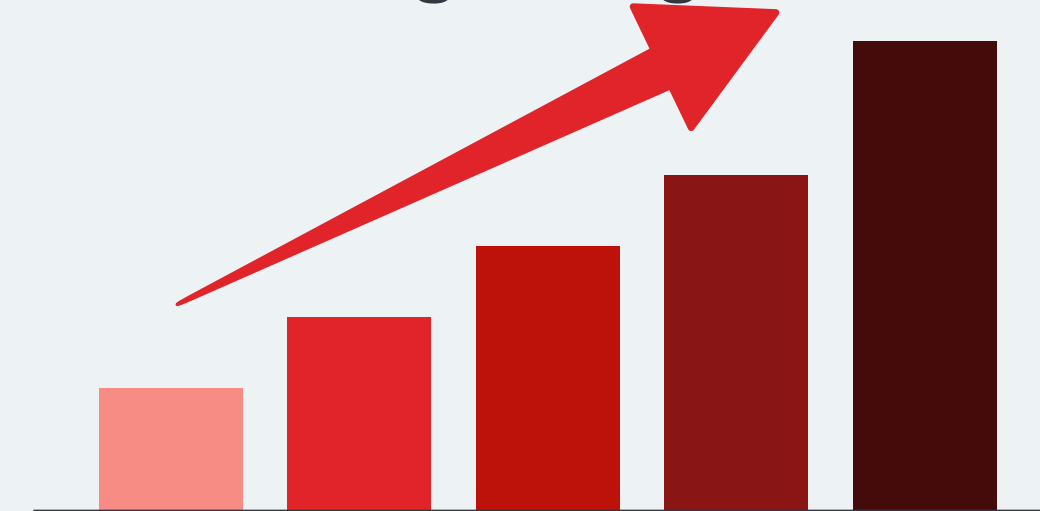
Achievements to date

- Destination of exchange:
67 countries, **400** institutions
- Species on the seed list: **176** species
- Number of requests received:
25 countries, **78** institutions



Future goals

- Strengthen the collaboration with Kamigamo Experimental station, Field Science Education and Research Center, Kyoto University
- Expand exchange destinations to six continents across the world
- Disseminate information on the Global Seed Exchange Program



► Strengthen global efforts through seed exchange programs

Conservation and promulgation activities for rare species in collaboration with Kyoto Aquarium

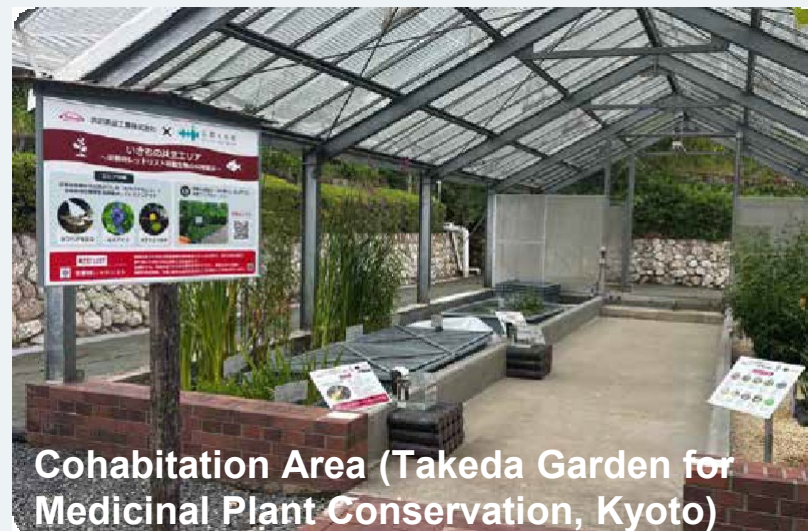
Takeda Garden for Medicinal Plant Conservation, Kyoto and Kyoto Aquarium exchange endangered plants and fish owned and raised by each institution, and these are exhibited in Takeda Garden for Medicinal Plant Conservation, Kyoto's "**Cohabitation Area**" and Kyoto Aquarium's "**Kyoto Satoyama area**."

Achievements to date

- Trade of organisms on the **Kyoto Prefecture Red List**
- Area development by expert staff from both institutions
- Exhibition of genetic resources from both institutions in the same area
- Holding promotional outreach events utilizing the area



Kyoto Satoyama area (Kyoto Aquarium)



Cohabitation Area (Takeda Garden for Medicinal Plant Conservation, Kyoto)

Future goals

Promote the conservation and promulgation of species listed on the Ministry of the Environment's Red List by participating in the Ministry of the Environment's "Ayumodoki Conservation and Breeding Program"



- ▶ Provide visitors to both institutions with an opportunity to think about biodiversity and the environment surrounding endangered species

We believe that passing on the traditions and culture rooted in Kyoto can also be an approach to conserving biodiversity and are promoting numerous projects in this regard.

Kamigamo Jinja Shrine Offerings to the Aoi Festival (Matsuri)



Help to preserve and propagate *Asarum caulescens*, a species endemic to Japan and an essential plant in the Aoi Festival (Matsuri), one of Kyoto's three major festivals.

Preserving the lineage of Kyoto's traditional vegetables (Kyo no Dento Yasai)



Collaborate with Kyoto City's Agriculture and Forestry Division that has jurisdiction over Kyoto's traditional vegetables ("Kyo no Dento Yasai") to preserve their lineage



Takeda Garden for Medicinal Plant Conservation, Kyoto will continue to work together with the local community to conserve biodiversity through a variety of projects, with an aim of leading to a better future.