

Living in Harmony with Nature (Conservation of Biodiversity)

Vision and Short- to Mid-term Targets

Together with climate change, the loss of biodiversity is seen as a serious and urgent problem, and the delivery of nature-positive outcomes is considered essential to its resolution. At the G7 Summit, held in June 2021, we agreed on a G7 2030 Nature Compact, which includes a commitment to “halt and reverse biodiversity loss by 2030”. During part 2 of the 15th Conference of the Parties to the UN Convention on Biological Diversity (CBD-COP15) - held in December 2022 - the Kunming-Montreal Global Biodiversity Framework, which includes international targets for 2030, was adopted. The framework establishes “23 Global Targets for 2030” aimed at the 2030 Mission “To take urgent action to halt and reverse biodiversity loss to put nature on a path to recovery for the benefit of people and planet” (excerpt).

Committed to delivering nature-positive outcomes, in 2022 the Fujitsu Group formulated its vision for 2050, its 2030 Mid-term Target, and its 2025 Short-term Target (Environmental Action Plan Stage XI) in line with international targets (Kunming-Montreal Global Biodiversity Framework). Achieving the vision will contribute to satisfying the Fujitsu Group’s stated purpose to “Make the world more sustainable by building trust in society through innovation.”

Vision (2050)	Create a world in harmony with nature, where "nature and biodiversity," which are fundamental to a sustainable society, are fully restored through digital technology
Mid-term Target (2030)	Reduce negative impacts on biodiversity by at least 25% (Base year : FY2020) in the area of company's corporate activities, including supply chain, and promote activities to increase positive impacts on it.
Short-term Target (2025)	Reduce negative impacts on biodiversity by at least 12.5% (Base year : FY2020) in the area of company's corporate activities, including supply chain, and promote activities to increase positive impacts on it.

Response to the Taskforce on Nature-related Financial Disclosures (TNFD)

The Fujitsu Group will implement disclosures in accordance with the TNFD Framework going forward. In addition to comprehensive evaluations of corporate activities as a whole using ecological footprint as an indicator, we will conduct an evaluation of regional characteristics with reference to the TNFD Guidelines, etc. In terms of the evaluation pertaining to regional characteristics, the Group will first evaluate the use of land and water resources at its own sites, and then expand the scope of evaluation to include other corporate activities and value chains. The results of these evaluations will be disclosed as appropriate. The Group will comply with all disclosures in accordance with the TNFD framework by FY2025.

Biodiversity Conservation Activities

The Fujitsu Group is undertaking various biodiversity conservation activities to achieve its vision and targets.

Activity Example 1: Complying with the Environmental Action Plan Target to “Visualize and reduce the impact of corporate activities on ecosystems and on biodiversity”

As one of the targets of Stage X of its Environmental Action Plan, the Fujitsu Group has set a target for conserving nature and biodiversity, and has commenced activities to evaluate and reduce the dependence on and impact of the Group’s corporate activities on nature and biodiversity.

- [Living in Harmony with Nature \(Conservation of Biodiversity\)](#)

Activity Example 2: Contributing to 30by30 (*1) (Ministry of the Environment: Activity to Gain Certification for Conserved Areas Living in Harmony with Nature)

Just under 80% of the approximately 53 ha site occupied by the Fujitsu Numazu Plant is given over to green space to nurture the precious biodiversity of the region. The factory manages the green space with the aim of preserving the natural environment, maintaining the landscape, and providing a place for employees and local residents to learn about the natural environment. In 2022, Numazu Plant’s green space program participated in the screening process of a trial scheme to test a system established by the Ministry of the Environment (MOE) to certify conserved areas identified as Living in Harmony with Nature. The MOE trial deemed the Numazu Plant green space “equivalent to Certified”. If certified as a Living in Harmony with Nature site, the certified area (excluding overlaps with protected areas) will be registered in the international database as an OECM area (*2), thereby contributing to the achievement of the 30by30 target. The Fujitsu Numazu Plant aims to acquire Living in Harmony with Nature certification during FY2023.

- *1 30by30: A target which aims to effectively conserve 30% of land and sea areas as healthy ecosystems by 2030 with the goal of halting and reversing biodiversity loss by 2030 (nature-positive outcome)
- *2 OECM (Other Effective area-based Conservation Measures): Areas, other than Protected Areas such as company-owned forests and mountain villages and the woodlands around them, that contribute to biodiversity conservation

- [Outline of sites participating in the early trial phase of Areas Living in Harmony with Nature \(working title\) \(MOE website\) \(Japanese text only\)](#)
- [Fujitsu Numazu Plant is awarded the 2023 Prime Minister’s Commendation for Meritorious Service to the Greening Promotion Campaign \(Japanese text only\)](#)

Activity Example 3: Supporting Biodiversity Conservation by Providing Funds, Technology, and Talent

The Fujitsu Group supports the activities of organizations that implement biodiversity conservation. These activities are ranked as activities that will increase the positive impact on biodiversity in the Group’s short- and mid-term targets.

1. Blakiston’s Fish Owl Call Recognition Project
The Fujitsu Group has provided the Wild Bird Society of Japan with call recognition software, developed for use in habitat surveys of the endangered Blakiston’s fish owl. Implementing measures based on habitat survey results is important for the conservation of the species. Surveys are conducted by analyzing sound data recordings, but the main problem for the Wild Bird Society was that playing and replaying the recorded sounds to identify the Blakiston’s fish owl was enormously time-consuming. By providing the call recognition software, we helped streamline the surveys to enable the automatic extraction of the owl’s cries, thus greatly reducing the time required for analysis.
- [Blakiston’s Fish Owl Call Recognition Project](#)
2. Supporting the Harapan Rainforest (Forest of Hope)
We continually provide support to a project launched by BirdLife International Tokyo for reforestation activities in the Harapan Rainforest (Forest of Hope) on the Indonesian island of Sumatra. Dealing with forest fires and illegal logging is an urgent issue in the Harapan Rainforest. This activity contributes to forest conservation by implementing ICT to greatly improve the efficiency of forest patrol operations.

- [Providing support for the Harapan Rainforest \(Forest of Hope\) in Indonesia](#)
- [Activity Brochure here](#)

3. Coastal cleanup activities on Tsushima, An Island Seriously Contaminated by Marine Plastics
 To deepen employees' awareness of the global environmental issue of marine plastic pollution, and link this to action to deal with the problem, Fujitsu Limited held a hands-on eco-tour of Tsushima for Fujitsu Group employees in collaboration with the Japan Environmental Action Network (JEAN). The project involved a beach cleanup, and an ideathon to come up with solutions to the island's marine plastics problem.

- [Tsushima, an island seriously contaminated by marine plastics](#)

Activity Example 4: Promoting Initiatives in Collaboration with External Organizations (Keidanren, WIPO, JBIB)

The Fujitsu Group collaborates with various external organizations to promote initiatives for conserving biodiversity. For example, we support The Declaration of Biodiversity by Keidanren and participate in the Initiative based on the Declaration of Biodiversity by Keidanren. A further example is the promotional video for the Business for GBF Project launched by MOE and Keidanren, featuring our case study Blakiston's Fish Owl Call Recognition Project. Fujitsu also participates as a partner in WIPO GREEN, a matchmaking platform operated by the World Intellectual Property Organization (WIPO) for transferring environmental technologies and services. This led to the conclusion of IP licensing agreements with academic institutions for the use of technologies for conserving natural assets and biodiversity. In addition, Fujitsu participates in the Japan Business Initiative for Biodiversity (JBIB), hosting activities together with enterprises for the purpose of research and practice in biodiversity conservation.

- [Initiative based on The Declaration of Biodiversity by Keidanren \(Keidanren website\)](#)
- [Business for GBF Project \(MOE website\)](#)
- [Promotional video for Business for GBF Project \(MOE video\)](#)
- [Conclusion of IP licensing agreements through WIPO GREEN activities](#)
- [Japan Business Initiative for Biodiversity \(JBIB\) \(JBIB website\)](#)

Activity Example 5: E-learning for Employees

The Fujitsu Group provides environmental education through e-learning programs for all employees to improve their environmental engagement. The programs include content on global trends in biodiversity and the relationship between corporate activities and biodiversity, the intention being to deepen their understanding of how their work relates to biodiversity.

Global Trend Related to Nature (Biodiversity) FUJITSU

- **Biodiversity loss** is the third most serious risk according to the **Global Risk Report 2022** published by the **World Economic Forum**.
- Dealing with risk: **Nature-Positive**
 - ◆ G7 2030 Nature Compact: commit to the global mission to **halt and reverse biodiversity loss by 2030**.
 - ◆ Fifteenth meeting of the Conference of the Parties to the Convention on Biological Diversity (Part One), Kunming Declaration **reverse the current loss of biodiversity and ensure that biodiversity is put on a path to recovery by 2030 at the latest**.
 - ◆ "A Nature-Positive World: The Global Goal for Nature": Announcement of **Goal for Nature-Positive**.
- **A portfolio of actions to reduce loss and restore biodiversity**
 - ◆ Achieving nature positives requires all of the following actions
 - 1 **Enhanced conservation and restoration of ecosystems**
 - 2 **Climate change mitigation**
 - 3 **Action on pollution, invasive alien species and overexploitation**
 - 4 **More sustainable production** of goods and services, especially food
 - 5 **Reduced consumption and waste**

Biodiversity loss is a global risk. Nature-positive is essential.

Relationship Between Corporate Activities and Nature (Biodiversity) FUJITSU

Corporate activities **depend on** and **influence nature**

Corporate value chain: Procurement, Production, Distribution, Sales, After-sales, Recycle

Corporate activities: Agriculture, Forestry, Fishery, Mining; Transportation, Manufacturing, Wholesale, Retail, Consumer, Medical services etc.; Energy, Gas, Water supply, Real estate, Construction, Finance, Service, Medical services etc.

Supplementary Explanation: Human society is supported by benefits from natural ecosystems (ecosystem services), such as food and water supplies and climate stability.

Provisioning services	Regulating services	Habitat services	Cultural services
- Agricultural crops - Non-timber forest products - Seafood - Freshwater - Raw materials	- Climate - Air quality - Water - Soil - Disease mitigation - Biological control	- Provision of habitat - Conservation of genetic diversity	- Religion / Festivals - Education - Landscapes - Traditional arts & crafts - Tourism / Recreation

Source: The Global Biodiversity Outlook 6 (GBO6) (https://www.gbo6.net/gbo6)

Source: Guidelines for private sector engagement in Biodiversity (Japan's Ministry of the Environment)

- ◆ **Targets and Rules for Nature-Positive** related to corporate activities
 - ◆ **Post-2020 global biodiversity framework** (2030 International Target): Decision expected at COP15 Part2
 - ◆ **TNFD** (taskforce on Climate-related Financial Disclosures): During the formulation of the framework
 - ◆ **SBTs for Nature** (Science-Based Targets for Nature): Development of target setting method
 - ◆ **Declaration of Biodiversity of the Japan Federation of Economic Organizations**: 236 companies participated

Fig. Image of environment e-learning materials

Fujitsu Group Biodiversity Action Principles

In October 2009, the Fujitsu Group established its "Biodiversity Action Principles" to explicitly address biodiversity.

- [Fujitsu Group Biodiversity Action Principles](#)