Biodiversity

Basic Approach

The TOPPAN Group positions the conservation of biodiversity as a critical challenge for management. As a guide to drive conservation initiatives, a Basic Policy on Biodiversity was established in April 2010. A year later, in September 2011, a set of Paper Procurement Guidelines for the Sustainable Use of Forest Resources was formulated to avoid or minimize the impacts on biodiversity during raw material procurement operations. We have identified our impacts and dependencies on biodiversity and ecosystem services and assessed associated risks. In areas where intensified biodiversity efforts are needed, TOPPAN takes assertive approaches to conserving local environments based on preventative and adaptive strategies formulated from a long-term perspective. Our conservation activities focus on cooperation with community members and various other stakeholders with links to biodiversity. We believe that biodiversity conservation and the sustainable use of biodiverse resources help us enhance environmental security and decarbonize society.

TOPPAN is intensifying supply chain management, environmental initiatives, and cooperation with local communities throughout Group operations. These activities will enable us to achieve our commitment to restoring natural ecosystems over the 20-year period from 2030 to 2050. We will take urgent steps to halt and reverse biodiversity loss in order to put nature on a recovery track by 2030 and beyond, as called for under the Kunming-Montreal Global Biodiversity Framework (GBF).

Basic Policy on Biodiversity (in Japanese) >

https://www.holdings.toppan.com/library/japanese/csr/files/pdf/2013/biodiversity.pdf

TOPPAN Group Paper Procurement Guidelines for the Sustainable Use of Forest Resources (in Japanese) >

https://www.holdings.toppan.com/library/japanese/about-us/files/sustainability/2025/ppgsufr.pdf

Required Actions

The actions required for biodiversity conservation throughout the Group are shown below.

Required Actions

1. Sustainable raw material procurement
   1) Sustainable paper procurement
   2) Thorough paper recycling
   3) Green purchasing
2. Consideration of land-use
   1) Use of site green space
   2) Conservation and restoration of site neighborhoods
3. Pro-biodiversity products and services

Activities

Sustainable Raw Material Procurement

1) Sustainable paper procurement

The TOPPAN Group Sustainable Procurement Guidelines (version 3) set out requirements and recommendations for forest conservation. The guidelines state the following: "When using resources derived from forests, oceans, or living organisms, etc., Business Partners should avoid the use of resources that have been illegally extracted, cultivated, or traded. Business Partners are also expected to take resource conservation into consideration when using raw materials, including from the perspective of controlling deforestation and forest degradation." We survey the legality of lumber as a raw material for paper production, as a means of promoting the sustainable use of forest resources (see page 80).

2) Thorough paper recycling

We believe that maximum paper resource circulation discourages the new use of forest resources. Paper materials that have not been processed into products are thoroughly recycled.

Cartocans (our paper-based beverage containers) used within Group sites are collected and processed into toilet paper for use in our offices and plants.

3) Green purchasing

We have been engaging in green purchasing for paper products based on our in-house standards for stationery and office goods. Various measures are applied to avoid the purchase of virgin wood-pulp products, such as the preferential purchasing of paper products composed of higher ratios of recycled pulp.

ECO-GREEN Purchasing

	No. of Cases
Fiscal 2024	2,577

Note: ECO-GREEN is a toilet paper composed of about 50% used Cartocan (paper-based beverage container) paper.

In-house Green Purchasing Standards and Levels of Fulfillment

Product	Standard	Fiscal 2024 Results
Copy machines and printers	Configured to automatically revert to low-power mode or off mode	94.1%
Stationery and office goods	Products listed in eco-friendly product catalogues of manufacturers	73.7%

Consideration of Land-use

1) Use of site green space

Our land-use practices support biodiversity in green spaces at Group sites across Japan. To bolster biodiversity efforts, TOPPAN has received third-party certification from the Association for Business Innovation in harmony with Nature and Community (ABINC)* for two sites (as of March 31, 2024) and applied land-use self-assessments using the ABINC's Land Use Score Card.

Group personnel also take steps to preserve native species and rare plants within their premises. They conserve green spaces for habitats for assorted creatures through green initiatives, such as nest boxes for birds and greenbelts to grow host plants for butterfly larvae.

*A certification program for evaluating and accrediting biodiversity-friendly initiatives to be planned and managed in line with the principles stated in the Guidelines for Sustainable Business Site Management® using the Land Use Score Card. The guidelines and score card were established by the Japan Business Initiative for Biodiversity (JBIB).

2) Conservation and restoration of site neighborhoods

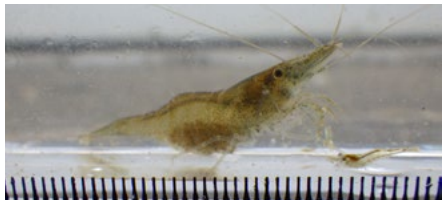
TOPPAN employees and families take part in biodiversity conservation activities organized by environmental NPOs and local governments. Many of the activities focus on the cleanup of rivers and natural surroundings in site neighborhoods, with Group sites across Japan holding in-person gatherings where kids can experience and learn about nature and biodiversity.

Since fiscal 2022 we have joined a project to plant flowers along the Arakawa River in the Kanto Plain, with support from the Arakawa-Joryu River Office of the Ministry of Land, Infrastructure and Transport of Japan. In an activity conducted at the Sakado Plant in Saitama Prefecture, the seedlings of agrimony and motherwort preserved and grown onsite were replanted in their original habitat, the Mitsumata-numa Biotope adjoining the Arakawa basin extending from Kawajima town to Ageo and Kawagoe cities. The Sakado Plant also donated the seeds obtained from the activity to elementary schools collaborating in the project to conserve more of the plants native to Saitama.

The Asaka Site, also located in Saitama, engages in similar activities to conserve native plants and fish, with indigenous species of kinbuna crucian carp and Japanese eight-barbel loach in its biotope. In fiscal 2024, it began ex-situ conservation of the Nuka shrimp, a species designated as near threatened in Saitama Prefecture, following an introduction from the Ecosystem Conservation Society-Japan.

In the leadup to Expo 2025, in partnership with the companies behind the Shoji Kawamori-Produced Pavilion, we held the "Live Earth Journey! Future Co-Creation Program—Mitsumata-numa Biotope Exploration! - Learning Biodiversity Conservation in Nature" at Mitsumata-numa Biotope in Ageo City, Saitama Prefecture in October 2024, involving a nature observation and conservation experience with guidance from the Ecosystem Conservation Society-Japan. TOPPAN Holdings Inc. is also cooperating in conservation activities at the Mitsumata-numa Biotope.

Among the various pollutants stressing the global environment, marine plastics are known to have a tremendous impact on marine ecosystems. Communities around the world have been active in campaigns to reduce the release of plastics into the environment. Since 2021, TOPPAN Inc. has participated in an initiative to reduce marine plastic waste along the coast of Hokkaido, organized by the Hokkaido SDGs Promotion Platform, and conducted further coastal cleanup activities in May 2024.



Nuka shrimp (near threatened species in Saitama Prefecture)

Live Earth Journey! Future Co-Creation Program

Ocean cleanup initiative in Hokkaido

Values, Results, and Evaluation of Environmental Targets for Fiscal 2024

			Fiscal 2024			
	Performance Target	Performance Indicator	Target Value	Result	Achievement Rate	Evaluation
Preservation of Biodiversity	Prevent illegal deforestation	Confirm the legality of raw materials procured for paper production	100%	79.7% (by weight) 50% (by number of companies)	79.7%*	B*
	Contribute to a society that coexists in harmony with nature	Area of land in which humans coexist in harmony with nature	Increase by 1% (23,000 m²) relative to the total area of manufacturing sites	0% (0 m²)	0%	C

Evaluation criteria
S: Results achieved far surpass the targets (achievement rate [%] ≧ 105)
A: Targets achieved (100 ≦ achievement rate [%] < 105)
B: Activities fully carried out, but targets unachieved (70 ≦ achievement rate [%] < 100)
C: Activities insufficient (achievement rate [%] < 70)
Achievement rate: (values actually achieved / target values) x 100 [%]

*Only by weight is recorded for achievement rate and evaluation.

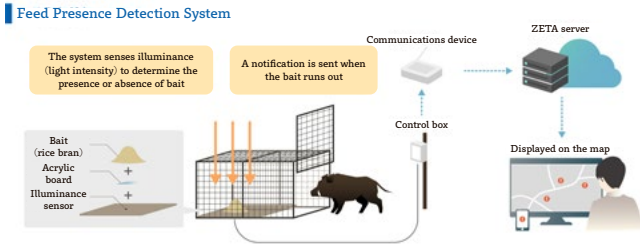
Pro-biodiversity Products and Services

The TOPPAN Group combines various printing technologies to develop products and services geared to achieve nature-positive outcomes across the value chain.

1) Nurturing sound forests—Forest-thinning paper product
The paper-based Cartocan beverage container exemplifies our ongoing product development efforts to make preferential use of paper made partially from lumber harvested from forest-thinning operations performed to encourage a sounder forest cycle.

2) Pilot of IoT system for wild animal damage control
Omuta City in Fukuoka Prefecture and TOPPAN Digital Inc. conducted a pilot of an IoT system for controlling the increasingly serious problem of damage caused by wild boars for about three months from October 2024.

As the workload for patrols has become higher due to the aging population and a shortage of successors, the animal damage control support service Rimowana™ provided by TOPPAN Digital has been enhanced with additional functions. In this pilot, the system monitored bait availability and automated capture functions for cage traps, aiming to reduce damage caused by animals.



3) Development of compact sorting machine capable of detecting water cored apples, flesh browning, and sugar content
This sorting machine developed by TOPPAN Digital Inc. works with an app to automatically determine apple quality, a task conventionally performed manually by apple farmers, thereby reducing workload and improving accuracy in apple sorting operations. A pilot test was also conducted over a period of about one month from December 2024 to January 2025 with apple farmers in Iizuna Town, Nagano Prefecture, to verify the usability and accuracy of the sorting machine.

Compact sorting machine for apples (prototype)

Associated Data

● Forest Management Certification

FSC® and PEFC Certification (as of June 9, 2025)

FSC: Forest Stewardship Council

PEFC: Programme for the Endorsement of Forest Certification Schemes

Division, Company, or Site	Country	FSC	PEFC
Information & Communication Division (TOPPAN Inc.)	Japan	✓	
Living & Industry Division (TOPPAN Inc.)	Japan	✓	✓
Environmental Design Subdivision (Living & Industry Division, TOPPAN Inc.)	Japan	✓	
Chubu Site (Environmental Design Subdivision, Living & Industry Division, TOPPAN Inc.)	Japan	✓	
Nishinihon Site (Environmental Design Subdivision, Living & Industry Division, TOPPAN Inc.)	Japan	✓	
Takamatsu Office (Environmental Design Subdivision, Living & Industry Division, TOPPAN Inc.)	Japan	✓	
Kansai Living & Industry Subdivision (Nishinihon Division, TOPPAN Inc.)	Japan	✓	✓
Chubu Division (TOPPAN Inc.)	Japan	✓	✓
Higashinihon Subdivision (Higashinihon Division, TOPPAN Inc.)	Japan	✓	✓
Hokkaido Subdivision (Higashinihon Division, TOPPAN Inc.)	Japan	✓	✓
Kyushu Subdivision (Nishinihon Division, TOPPAN Inc.)	Japan	✓	✓
Chugoku & Shikoku Subdivision (Nishinihon Division, TOPPAN Inc.)	Japan	✓	✓
Takiyama Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Fussa Plant [including CP Production Department] (TOPPAN Communication Products Inc.)	Japan	✓	
Takino Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Joto Center (TOPPAN Communication Products Inc.)	Japan	✓	
Asaka Securities Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Nagoya Center (TOPPAN Communication Products Inc.)	Japan	✓	
Fukuroi Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Osaka Sakurai Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Hiroshima Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Tamana Plant (TOPPAN Communication Products Inc.)	Japan	✓	
Satte Plant (TOPPAN Decor Products Inc.)	Japan	✓	
TOPPAN Edge Inc.	Japan	✓	✓
TOPPAN Colorer Inc.	Japan	✓	✓
TOPPAN Cosmo Inc.	Japan	✓	
TOPPAN Infomedia Inc.	Japan	✓	
Livretech Co., Ltd.	Japan	✓	

Division, Company, or Site	Country or Region	FSC	PEFC
Siam Toppan Packaging Co., Ltd.	Thailand	✓	
Interflex Group	UK	✓	
Toppan Europe GmbH	Germany	✓	
Toppan Europe GmbH Barcelona Office	Spain	✓	
Toppan Europe GmbH London Office	UK	✓	
Toppan Interamerica Inc.	USA	✓	
Toppan Interamerica Inc. Pennsylvania Plant	USA	✓	
INTERPRINT GmbH	Germany	✓	
IP Decor Spain, S.A.U	Spain	✓	✓
INTERPRINT, Inc.	USA	✓	
INTERPRINT Polska Sp. z o.o.	Poland	✓	
INTERPRINT Decor (Malaysia) Sdn. Bhd.	Malaysia	✓	
INTERPRINT (CHINA) DECORATIVE MATERIALS CO., LTD.	PRC	✓	
INTERPRINT do Brasil Indústria de Papéis Decorativos Ltda.	Brazil	✓	
TOPPAN EDGE (HONG KONG) LIMITED	PRC	✓	
TOPPAN Merrill LLC	USA	✓	
Toppan Nexus Limited	Hong Kong	✓	
TOPPAN LEEFUNG PRINTING LIMITED	PRC	✓	✓
TOPPAN LEEFUNG PRINTING (BEIJING) CO., LTD.	PRC	✓	
TOPPAN Leefung Printing (Dongguan) Co., Ltd.	PRC	✓	✓
TOPPAN NEXT ADVERTISING (SHANGHAI) CO., LTD.	PRC	✓	
TOPPAN Leefung Packaging (Dongguan) Co., Ltd.	PRC	✓	✓
TOPPAN LEEFUNG PACKAGING (SHANGHAI) CO., LTD.	PRC	✓	
TOPPAN Leefung Label Printing Limited	Hong Kong	✓	
TOPPAN Leefung Label Printing (Dongguan) Co., Ltd.	PRC	✓	
TOPPAN Leefung Paper Products Limited	Hong Kong	✓	
TOPPAN YAU YUE PAPER PRODUCTS (DONGGUAN) CO., LTD.	PRC	✓	
TOPPAN Excel Printing Limited	Hong Kong	✓	
TOPPAN Excel (Dongguan) Printing Company Limited	PRC	✓	
TOPPAN Next Tech Pte. Ltd.	Singapore	✓	
Toppan (Shanghai) Management Co., Ltd.	PRC	✓	