Biodiversity

Basic Approach

Approach

The Toppan Group positions the conservation of biodiversity as a critical challenge for management. As a guide to drive conservation initiatives, the Group established a Basic Policy on Biodiversity in April 2010. A set of Paper Procurement Guidelines for the Sustainable Use of Forest Resources was also formulated in September 2011 to avoid or minimize the impacts on biodiversity during raw material procurement operations. For intensified biodiversity efforts, Toppan undertakes community activities to conserve local environments through preventative and adaptive approaches formulated from long-term perspectives. These activities focus on cooperation with community members and various other stakeholders with links to biodiversity. The Group believes that biodiversity conservation and the sustainable use of biodiverse resources help mitigate global warming and enhance environmental security.

Required Actions

Policy

A list of actions required for biodiversity conservation throughout the Toppan Group is shown on the above right.

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

Activity results, performance data

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 treated. 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.” The Toppan Group surveys the legality of lumber as a raw material for paper production, as a means of promoting the sustainable use of forest resources (see page 44).

2) Thorough paper recycling

Toppan believes that maximum paper resource circulation discourages new use of forest resources. The Group thoroughly recycles paper materials that have not been processed into products.

The Group also collects used Cartocans (Toppan’s paper-based beverage containers) within Group sites and processes them into toilet paper for use in Toppan offices and plants.

3) Green purchasing

Toppan has been engaging in green purchasing for paper products based on the Group’s in-house standards for stationery and office goods. The Group applies various measures 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 (Cartocan-recycled toilet paper) Purchasing

	Number of Cases
Fiscal 2021	2,585

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

Green Purchasing of Stationery and Office Goods

	Level of Fulfillment
Fiscal 2021	74.0%

Consideration of Land-use

1) Use of site green space

Toppan's land-use practices support biodiversity in green spaces across Group sites. 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 Group sites (as of the end of fiscal 2021) and applied land-use self-assessments using the ABINC's Land Use Score Card. The Toppan Technical Research Institute (an ABINC-certified site in Sugito, Saitama Prefecture) has reproduced a living space for native plants found on the waterfronts and banks of the Edo River flowing through the Kanto Plain. This nature space has been created in the water-cycle biotope within the site premises, with help from the Ecosystem Conservation Society-Saitama. Toppan has also been a qualified member of the 30by30 Alliance for Biodiversity, a platform established by the Ministry of the Environment and other organizations in Japan, since April 2022. Group sites take steps to preserve native species and rare plants within their premises. They also work to conserve green spaces for habitats for assorted creatures through various green initiatives, such as nest boxes for birds and plant spaces 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 their 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 other natural surroundings in Toppan site neighborhoods. Before activities were suspended with the spread of COVID-19, Group sites across Japan invited nature experts to lead "creature-discovery" events where kids learned about biodiversity around rivers and in natural parks. The children taking part in these events had seminal experiences with nature as future protectors of biodiversity.

The Group has also been cooperating with a project to grow flowers along the Arakawa River with support from the Kanto Regional Development Bureau of the Ministry of Land, Infrastructure and Transport of Japan. In July 2022, the Sakado Plant in Saitama Prefecture began setting planters to preserve agrimony and motherwort, two native species grown in the Arakawa basin. In the years to come, Sakado Plant personnel will plant the agrimony and motherwort seeds and seedlings in their original habitat, the Mitsumata-numa Biotope extending through Ageo, Kawagoe, and the town of Kawajima in Saitama Prefecture.



Biotope at the ABINC-certified Toppan Technical Research Institute


Receiving nursery plants from the Ecosystem Conservation Society-Japan


Nursery agrimony and motherwort plants


Growing plants at the Sakado Plant

Pro-biodiversity Products and Services

The Toppan Group promotes the sound nurturing of forests and strives to develop products and services that alleviate the overuse of forest resources.

1) Nurturing sound forests—Forest-thinning paper product

The paper-based Cartocan beverage container exemplifies the Group's ongoing product development efforts to make preferential use of paper made partially from lumber harvested from forest-thinning operations conducted to encourage a sounder forest cycle.



2) Alleviating overuse—Recycled composite décor materials

Toppan Material Wood is a composite wood substitute that can be molded for use in various types of décor. It is produced by mixing waste plastics of no value with powderized waste wood from factories and construction sites.



Associated Data

Activity results, performance data

Forest Management Certification

FSC® and PEFC Certification (As of July 5, 2022)

FSC: Forest Stewardship Council
PEFC: Programme for the Endorsement of Forest Certification Schemes

Operational Site (Division or Group Company)	Country	FSC	PEFC
Information & Communication Division (Toppan Inc.)	Japan	✓	
Environmental Design Subdivision (Living & Industry Division, Toppan Inc.)	Japan	✓	
Toppan Cosmo, Inc.	Japan	✓	
Satte Plant (Toppan Decor Products 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	✓	
Toppan Forms Co., Ltd.	Japan	✓	✓
Takiyama Plant (Toppan Forms Central Products Co., Ltd.)	Japan	✓	
Fussa Plant (Toppan Forms Central Products Co., Ltd.)	Japan	✓	
Nagoya Center (Toppan Forms Tokai Co., Ltd.)	Japan	✓	
Fukuroi Plant (Toppan Forms Tokai Co., Ltd.)	Japan	✓	
Osaka Sakurai Plant (Toppan Forms Kansai Co., Ltd.)	Japan	✓	
Hiroshima Plant (Toppan Forms Kansai Co., Ltd.)	Japan	✓	
Kyushu Plant (Toppan Forms Nishinihon Co., Ltd.)	Japan	✓	
Toppan Infomedia Co., Ltd.	Japan	✓	
Living & Industry Division (Toppan Inc.)	Japan	✓	✓
Kansai Living & Industry Subdivision (Nishinihon Division, Toppan Inc.)	Japan	✓	
Chubu Division (Toppan Inc.)	Japan	✓	
Mito Plant (Toppan Prosprint Co., Ltd.)	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	✓	
Tosho Printing Co., Ltd.	Japan	✓	✓

Operational Site (Group Company)	Country or Region	FSC	PEFC
Pennsylvania Plant (Toppan Interamerica Inc.)	USA	✓	
Toppan Interamerica Inc.	USA	✓	
INTERPRINT, Inc.	USA	✓	
INTERPRINT do Brasil Indústria de Papéis Decorativos Ltda.	Brazil	✓	
Toppan Europe GmbH	Germany	✓	
INTERPRINT GmbH	Germany	✓	
INTERPRINT Polska Sp. z o.o.	Poland	✓	
Decotec Printing S.A.	Spain	✓	✓
Barcelona Office (Toppan Europe GmbH)	Spain	✓	
London Office (Toppan Europe GmbH)	UK	✓	
Toppan Leefung Packaging & Printing (Dongguan) Co., Ltd.	PRC	✓	✓
Toppan Leefung Printing (Shanghai) Co., Ltd.	PRC	✓	
Toppan Win Label Printing (Dongguan) Co., Ltd.	PRC	✓	
Toppan Leefung Advertising (Shanghai) Co., Ltd.	PRC	✓	
Toppan Excel (Hong Kong) Company Limited	Hong Kong	✓	
Toppan Win Label Company Limited	Hong Kong	✓	
Toppan Yau Yue Paper Products Limited	Hong Kong	✓	
Toppan Leefung Printing Limited	PRC	✓	✓
Toppan Forms (Hong Kong) Ltd.	PRC	✓	
Toppan Merrill IFN Limited	PRC	✓	
Toppan Merrill Limited	Hong Kong	✓	
INTERPRINT Decor (Malaysia) Sdn. Bhd.	Malaysia	✓	
Toppan Security Printing Pte. Ltd.	Singapore	✓	
Siam Toppan Packaging Co., Ltd.	Thailand	✓	
InterFlex Group	UK	✓	
Toppan (Shanghai) Management Co., Ltd.	PRC	✓	
New Jersey (TOPPAN Merrill LLC)	USA	✓	