

CFP Quantifications and Carbon-offset Certification for Printed Materials and Events

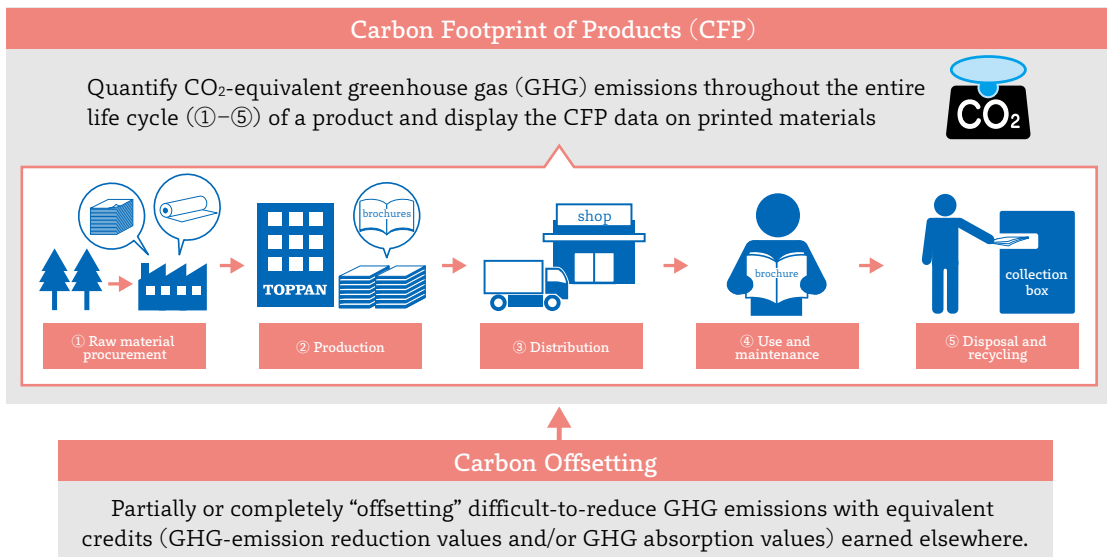
The Toppan Group has been visualizing CO₂ emissions associated with printed materials and events through carbon footprint of products (CFP) and carbon offsetting initiatives. The Group's one-stop service for client companies covers every step from CFP quantification to carbon-offset certification for printed materials and events. This procedure has also been applied to the Group's own products and events. In fiscal 2019 the Group conducted CFP quantifications for a total of 28 products, services, and events.

In self-initiated activities, CO₂-equivalent greenhouse gas (GHG) emissions associated with printed materials issued by Toppan are offset by a J-VER credit generated by a subsidiary and a credit linked to the SDGs (a credit originating from power generation using Forest Stewardship Council [FSC®]-certified wood refuse in the Amazon basin, Brazil) provided by the Gold Standard Foundation under the United Nations Clean Development

Mechanism (CDM). The carbon-offsetting mechanism using the Gold Standard CDM allows Toppan to address relevant global development agendas such as climate security and stable power supply.

The Group has also offset the CO₂-equivalent GHG emissions associated with in-house educational events focused on biodiversity and the various meetings Toppan holds on environmental issues in Japan, such as the National Eco-protection Meeting and the Toppan Group Environmental Meetings. Toppan has used the carbon-offsetting initiatives for these events and meetings to support the recovery of Kumamoto from the earthquake disaster of 2016 by applying a J-VER credit, a credit originating from GHG (CO₂) absorption using lumber from thinning operations in forests owned by Kumamoto Prefecture.

■ Framework for CFP and Carbon Offsetting



■ CFP information on the printed Japanese version of the *Toppan Integrated Report 2019*

https://www.cfp-japan.jp/common/pdf_permission/001740/CR-BS05-19007.pdf



Toppan Integrated Report 2019
(back cover of the printed Japanese version)