



Update of Japanese CFP Project

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Today's topics



1. History of CFP in Japan 
2. What we have done so far?
3. What we are trying/going to do

History



- ✓ 2008 June:
 - Cabinet decision “Japan As a Low-Carbon Society”

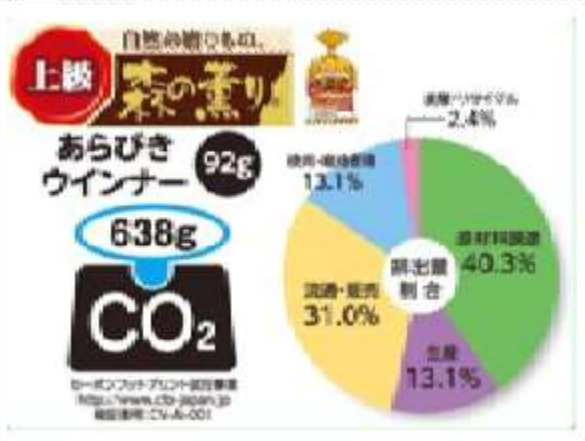
- ✓ FY 2009: 1st year
 - Pilot Project has started with government support
 - “Basic Guideline of the Carbon Footprint of Products” and “Guide of Establishing Product Category Rules” were established

- ✓ FY 2010: 2nd year
 - General instructions are revised
 - Additional rules are established

- ✓ FY 2011: 3rd year
 - Final year of government support.
 - Wrap up discussion for next step (privatization)

Current situation

- ✓ Certified PCRs: 57 (some of them are translated)
- ✓ Involved Companies for Certified PCR : more than 200
- ✓ Verified CFPs: 316 (from 70 companies)



* AEON Co., Ltd. sold these products for year-end gifts.



Couple of snack makers hold CFP sales campaign.

* Nippon Meat Packers, Inc. plans to sell the products labeled CFP from Feb. 1st.

For more information: <http://www.cfp-japan.jp/calculate/verify/permission.html>

Products



Carnation/flower
(JA Minabeinami)



Rose/flower
(Abiko-Engei)



Sunflower/flower
(JA Minabeinami)

Products



Fire extinguisher/bottle
(Hatsuta)



Felt tipped pen/pen
(Shachihata)

Products



追加表示

- ・ 想定洗濯回数：100回
- ・ 洗濯手法：家庭洗濯
(アイロン無)

School jersey
100 washes at home (no iron)
(Asics)



カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号：CV-A0-001

- 洗濯回数：20回
- 洗濯手法：
家庭洗濯・アイロン有

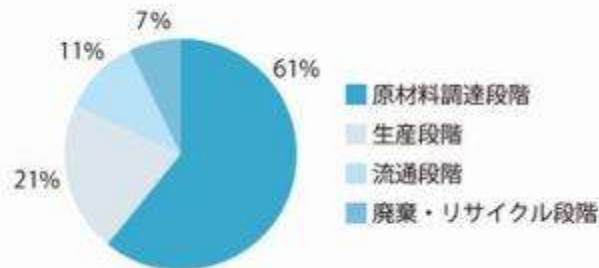
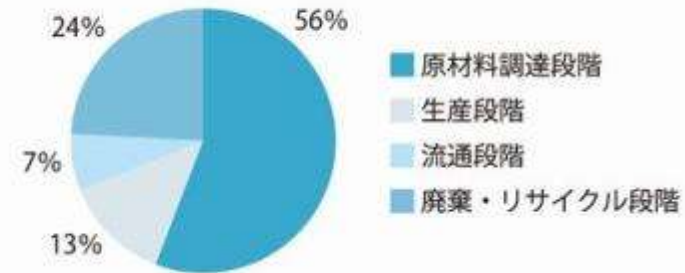
○ 本製品は使用後に回収し
リサイクルを実施することで
間接影響として約1.45Kgの
CO₂を減らすことができます。



NF4524 (5号/7号/9号/11号)

Office jacket
20 washes at home (iron)
(Chikuma)

Products



Business desk
(Itoki)

Business chair
(Itoki)

Detail information are on the web (Japanese only)
<http://www.cfp-japan.jp/calculate/verify/permission.php>

Translation project



- ✓ Translated PCRs are,
 - Flowers
 - Publicity Printings and Printing Products for Business Use
 - Publishing and Commercial Printing (Intermediate Goods)
 - Plastic Containers and Packaging
 - Metallic Containers and Packaging (Intermediate Goods)
 - Glass Containers and Packaging (Intermediate Goods)


- ✓ Now translating,
 - Wood, Wood Material (Intermediate Goods)
 - Vegetables and Fruits
 - Paper Containers, Packaging and Wrapping (Intermediate Goods)

More to come.

PDF files are available on <http://www.cfp-japan.jp/english/pcr/pcrs.html>

Today's topics



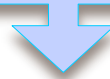
1. History of CFP in Japan
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Basic concept

- ✓ Purposes are
 - GHG information communication to consumer
 - Visualize supply chain information for industry, etc.
- ✓ Our pilot project is based on ISO14040/44 and ISO14025 for international consistency.
 - LCA methods, Programme based, PCRs and 3rd party verification
- ✓ Follows ISO14067 in the future.

Our Rules

Basic concept
LCA: ISO 14040 and ISO 14044
Environmental labels and declaration: ISO 14025



“Basic Guideline of the Carbon Footprint of Products”

This Guideline provides basic frameworks for CFP calculation, communication and other schemes regarding the project.

“Guide of Establishing Product Category Rules”

This Guide provides principles, criteria & process for establishing PCRs in accordance with the Guideline

3 operational guidances

- ✓ **“Rules Concerning the Registration of Draft PCR Development Plan and Approval of PCR”**
- ✓ **“Rules Concerning the Verification of CFP Calculation Results and Labeling Method”**
- ✓ **“Specifications of CFP Label and Displaying Other Information”**

Established in 2009, revised in 2010

“Application rules for reduction quantification (provisional)”

“Application Rules for referencing a existing PCR & CFP ”

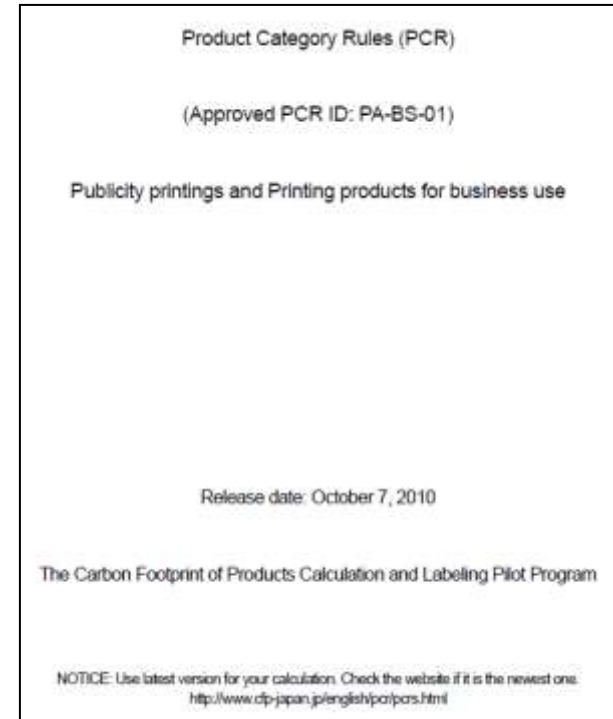
“Application Guideline for PCR & CFP of Services”

Established in the end of FY 2010

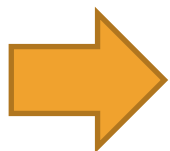
Necessity of PCR



- ✓ PCR: Communication tool.
- ✓ ISO14025, which is environmental declaration standard, prescribes the necessity of establishing PCR.
- ✓ PCR makes clear ” to consumers and businesses, “how the declaration quantified.



Some PCRs are translated into English.
Above is the PCR for “business printing”.



For transparent Type III communication, development of PCRs are crucial.

Procedures for developing PCRs

- ✓ PCR Registration
 - To begin the development of PCR, organization shall register the PCR plan, let the interested parties be involved in the discussion.
 - Range of the PCR is difficult to arrange. Sometimes, too narrow.

- ✓ PCR Certification
 - 5 days “public comments” for open consultation.
 - Review by independent reviewer, then examination by PCR review panel for certification.

 57 PCRs and more to come.

Verification

- ✓ ISO 14025: independent verification for BtoB communication, third party verification for BtoC communication.
- ✓ In our programme, PCR verification is conducted by third-party verifier (personnel), and then PCR verification panel examines.



As CFP based on LCA study on product, verification is different from ISO14064s'.

Verification of CFP

- ✓ Life cycle aspects: requires collect data from raw material extraction stage to end of life stage. This is over the one organization's boundary, possibly use "scenario" or "secondary data".
- ✓ Product based study: producing more than two products in a factory, but only total consumption data obtained. Then we conduct "allocation" by weight, area and etc,.



CFP verification checks evidences and validity of adopting the quantification methods. It strongly requires LCA expertise.

Establishment of database

- ✓ For fair calculation, generic database for basic materials are essential.
- ✓ Over 1000 GHG data for CFP were prepared by March 2011.
- ✓ Coverage:
 - agriculture, forestry, fishery, mining, food, chemical, oil industry, ceramics, machinery, utility supply, transportation etc..
- ✓ See web-site for more information (Japanese only)
<http://www.cfp-japan.jp/calculate/verify/xls/kokai-co2kasanryou-db20110331.xls>

Education

✓ Events for elementary, junior high and high school students and seminars for consumers and local leaders



Lecture at school

Eco-Products (2008 –)

- ✓ Biggest eco-exhibition in Japan, gathers more than 180,000 people in 3 days.
- ✓ CFP booth were crowded with businesses and consumers



Pamphlet
152g/leaf



CFP Booth

Eco-Product 2010

123g
CO₂



Hum
217g/package



Green pepper
0.5kg/package



Binder
1090g/file
2250g/file



Rice Koshihikari
7.7kg/package



Ice candy
630g/package



BBQ sauce
424g/bottle

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Application Rules: Reduction Quantification



- ✓ Application rules for reduction quantification has been established, as requested from participators.
- ✓ Basic concepts are based on ISO14044 and ISO14025.
 - Requirements are,
 - ✓ The same PCR shall be used for calculations.
 - ✓ Product from other company shall not be compared
 - ✓ The function shall be the same or similar. (less functional product, which is old, can be compared)
 - ✓ Data shall be collected in the same manner.
 - ✓ Comparison shall be done between verified results, and
 - ✓ Information on comparison shall be disclosed.

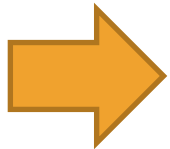
 Experiments for further detailed discussion in 2011

Experiment: verification scheme in 2010



To make verification's cost down, we had some experiments on verification scheme.

1. System certification: Management system including CFP quantification/ internal independent verification/ declaration.
 - System requirements for CFP quantification was developed.
 - Formats for system certification were developed.
- ✓ Possibility of this method's carrying credibility was found.
- ✓ Further experiments in 2011.

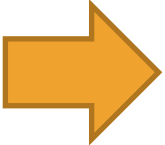


Experiment: verification scheme in 2010



2. Personnel certification

- Independent internal verifiers were brought up
- Some results insist that it can work, but others not.

- 
- ✓ We find that “experience” of the company and the personnel is the key aspect of this method.
 - ✓ Early to implement.

Experiment: verification scheme in 2011



In 2011, experiments will continue.

✓ Further experiments on “system certification scheme”

<Subject>

- What shall be done for keeping the same credibility compared to ordinal verification method?
- Is “system requirements for CFP” effective for all types of organization? ...etc.

✓ Experiments on product-by-product verification by verification bodies

<Subject>

- Can they verify CFP in adequate manner, which is based on LCA? (competence)
- How do we keep the verification of even quality between bodies?...etc.

FY2011 - Last Year of Pilot Project



2008 Trial year

2009
CFP Pilot Project 1st year

2010
CFP Pilot Project 2st year

2011 Last year of government support.

Apr.-Nov.
- Pilot project continues
-experiments go on

Dec.
Start to wrap up
"3 year project"

Jan. – Mar.
- Report on CFP pilot project
- Preparation for privatization



Visit our website



Carbon Footprint of Products

Identification of the quantity of greenhouse gas emissions of products

Japanese

Contact Site Map

HOME

About CFP

About CFP System

List of PCRs

List of CFP Products

Rules & Specifications



! WHAT'S NEW

News Archives



Press Releases

2011

27 May The list of approved PCRs is updated.

➤ English website of Carbon footprint Pilot Project in Japan

<http://www.cfp-japan.jp/english/>

Thank you for your attention!

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