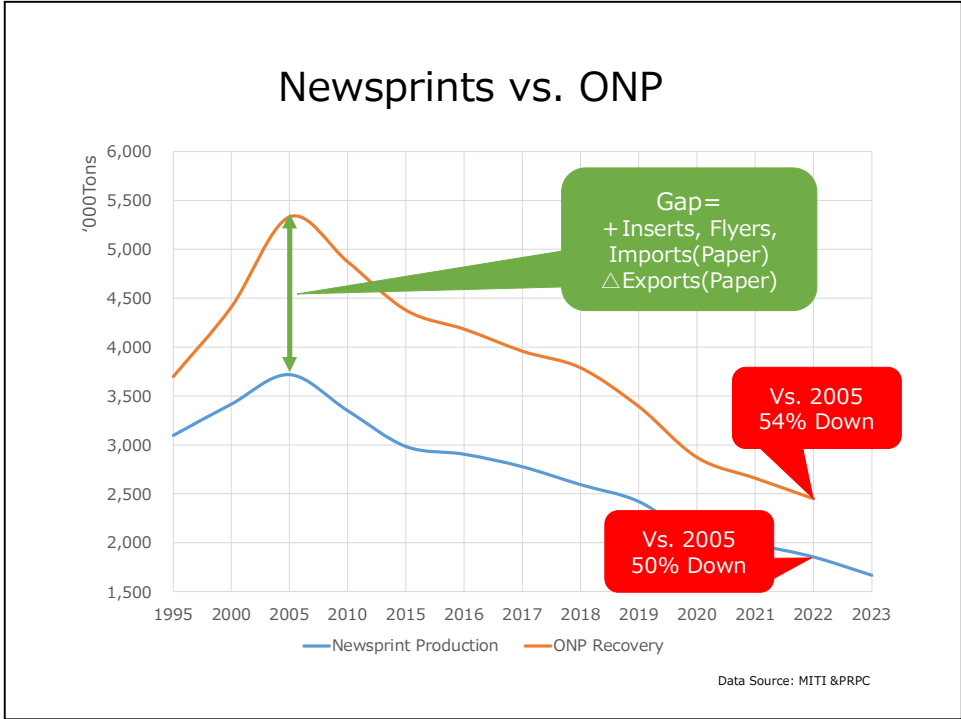


Measure to Secure Fiber

Discussion Paper for IPPTA

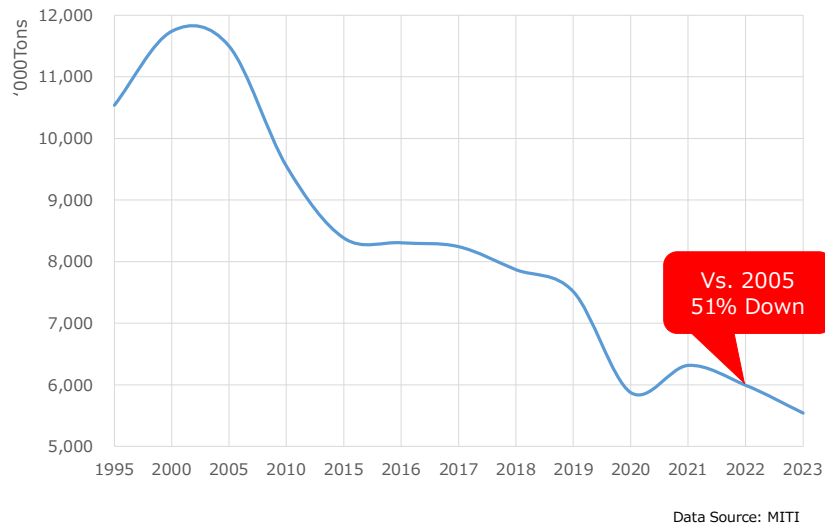
March 7, 2024
Rengo Co., Ltd.
<https://www.rengo.co.jp/english/index.html>

1



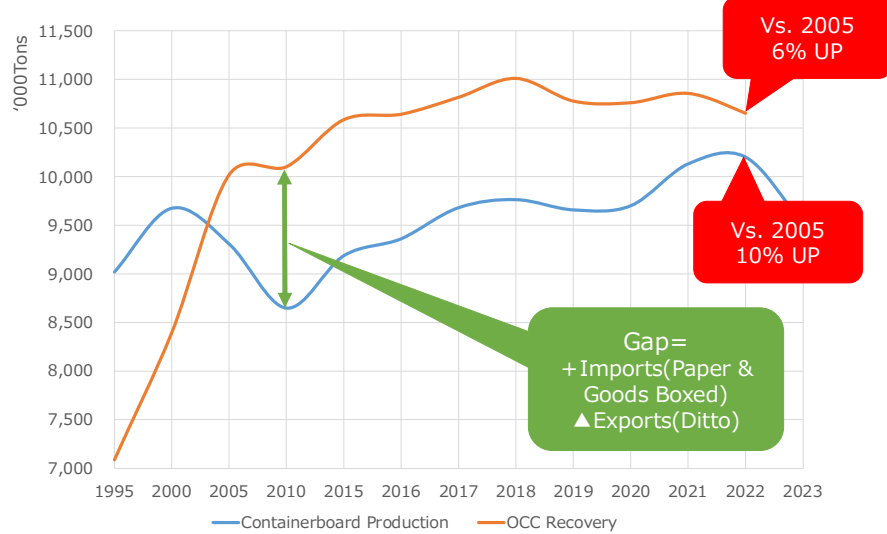
2

Printing & Communication Paper Production Statistics

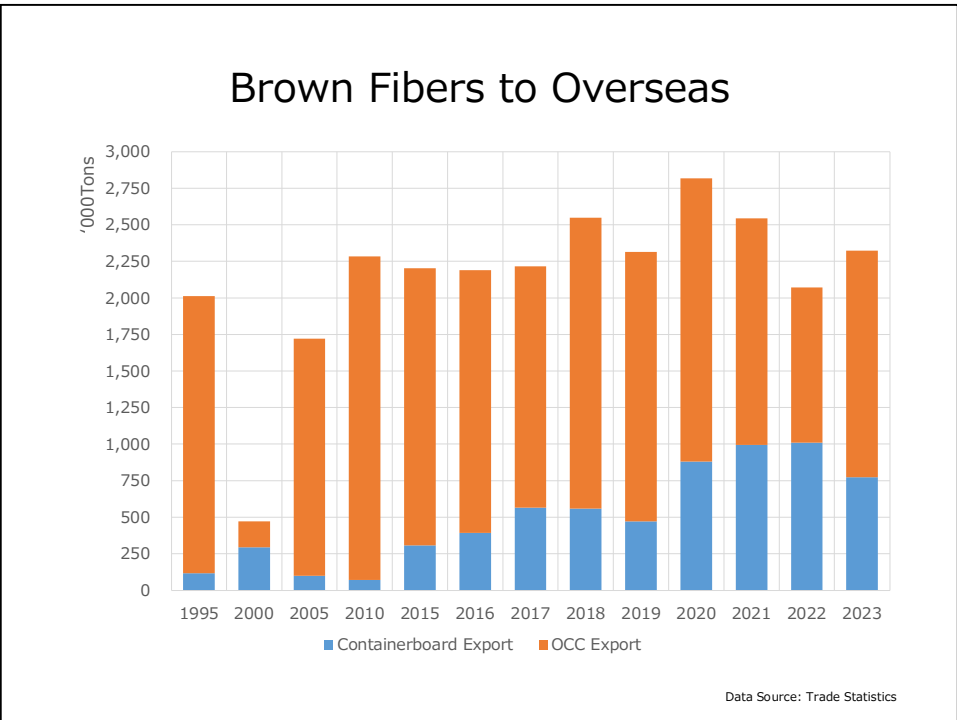


3

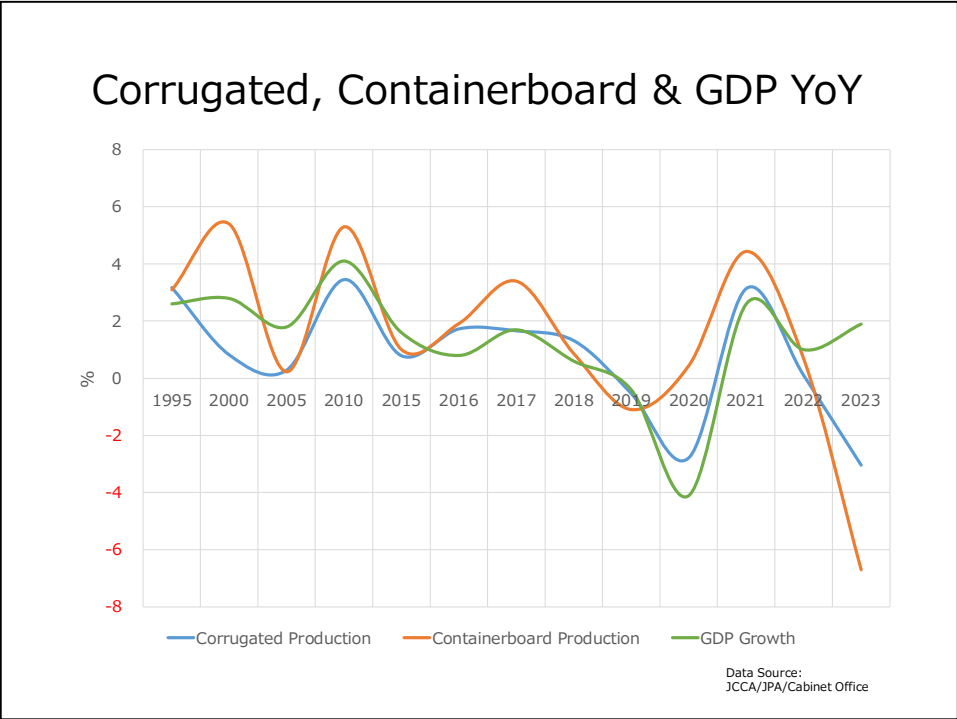
Containerboard vs. OCC



4



5



6

E-Commerce, Example from U.S.A.

Growing E-Commerce



More wastepaper from Household



Single Stream collection



Unsorted, commingled SINGLE STREAM wastepaper



Poor OCC Quality (Contamination, Odor, etc.)

7

If **commingled**, it's just **WASTE**.
If **well separated**, it become **resources**.

Restaurants



Household

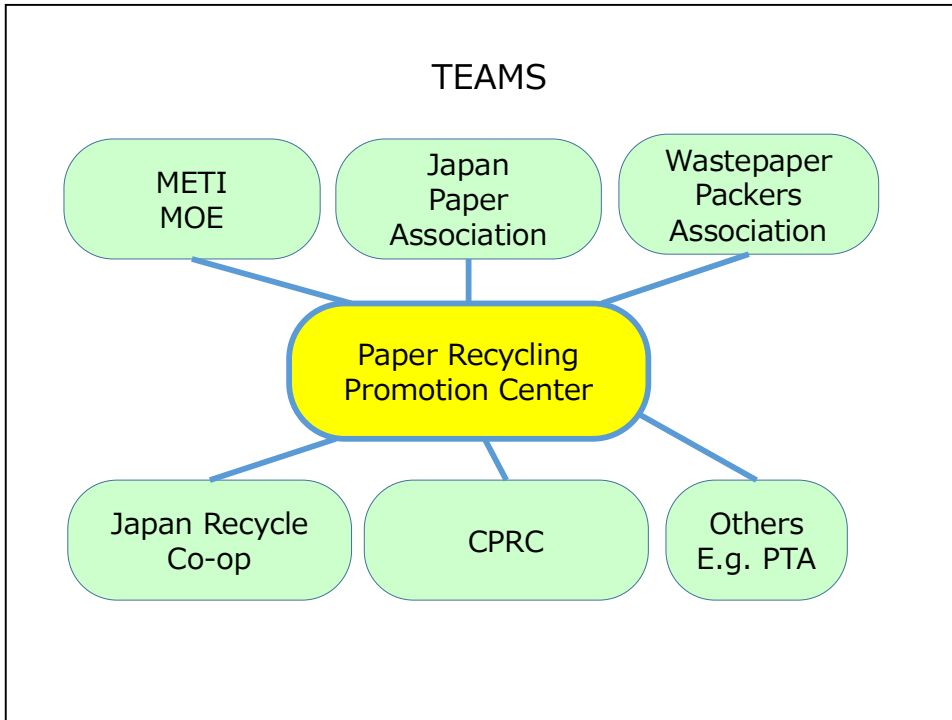


Recyclers

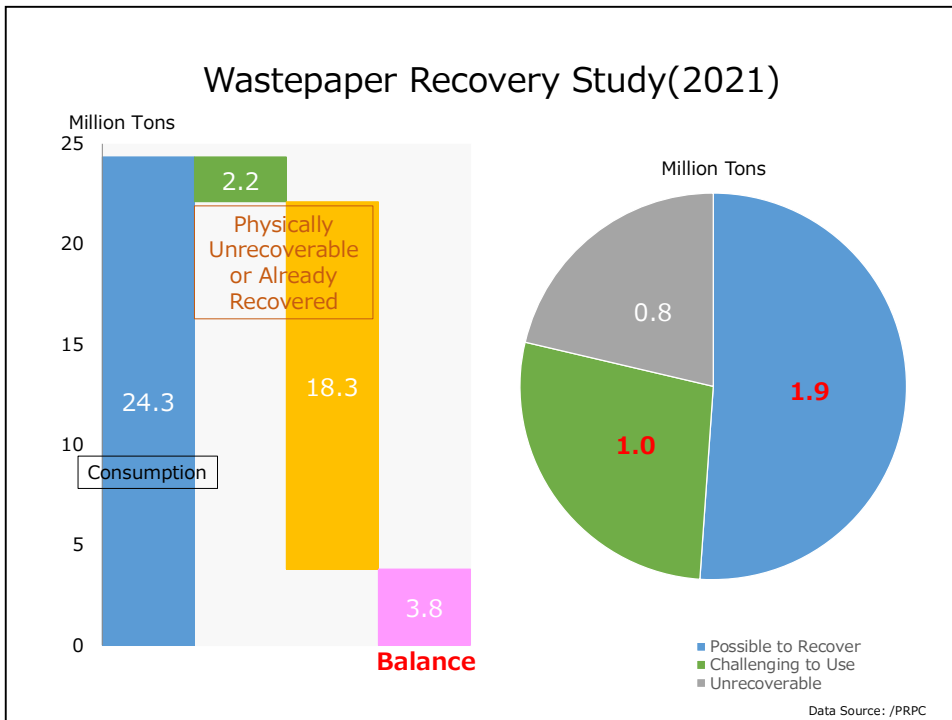


8

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10

How to Secure Fibers

NUMBERS:

- From INDUSTRIAL WASTE
0.8Mil Tons of Wastepaper are landfilled in 2022
- From HOUSEHOLD WASTE
1.6Mil Tons were recovered as raw material in 2022

CHALLENGES:

- Technical Development and establishing recovery system for CHALLENGING TO USE FIBERS
E.g.: Laminated paper, KCB, Stickie, Waterproofed, Food plate, paper cups………

Data Source: Ministry of Environment

11

One More Thing……

Well Trained ODOR DETECT DOG at Yashio Mill



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