

# Let's Think About SDGs

## Issue 4 Goal 13 Climate Action

Carrying on from issue 2, we are looking at SDGs related to Nippon Paper Group business. This issue deals with Goal 13 "Climate Action".

Hi there again!  
Wow, climate change!  
That's a BIG question.  
What can WE do about it?



Hey - remember  
to check the  
QR Code!



For the SDG 13 goals  
and targets. See ...  
<https://bit.ly/2UionJS>



See Panel 1

13

CLIMATE  
ACTION



### Goal 13 "Climate Action" and its Background

(Goal)

- Take urgent action to combat climate change and its impacts

#### Targets (SDG 13 targets related to our group)

- 13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters
- 13.2 Integrate climate change measures into national policies, strategies and planning

#### Background

Climate change, due to increased emissions of carbon dioxide (CO<sub>2</sub>) and other greenhouse gases, will have a serious impact on our lives, such as severe droughts, frequent typhoons, abnormal weather and rising sea levels.

For these reasons, efforts to both suppress greenhouse gas emissions and to adapt to extreme weather due to climate change are required worldwide.

Look at Panel 1  
for more about  
adapting to  
climate change



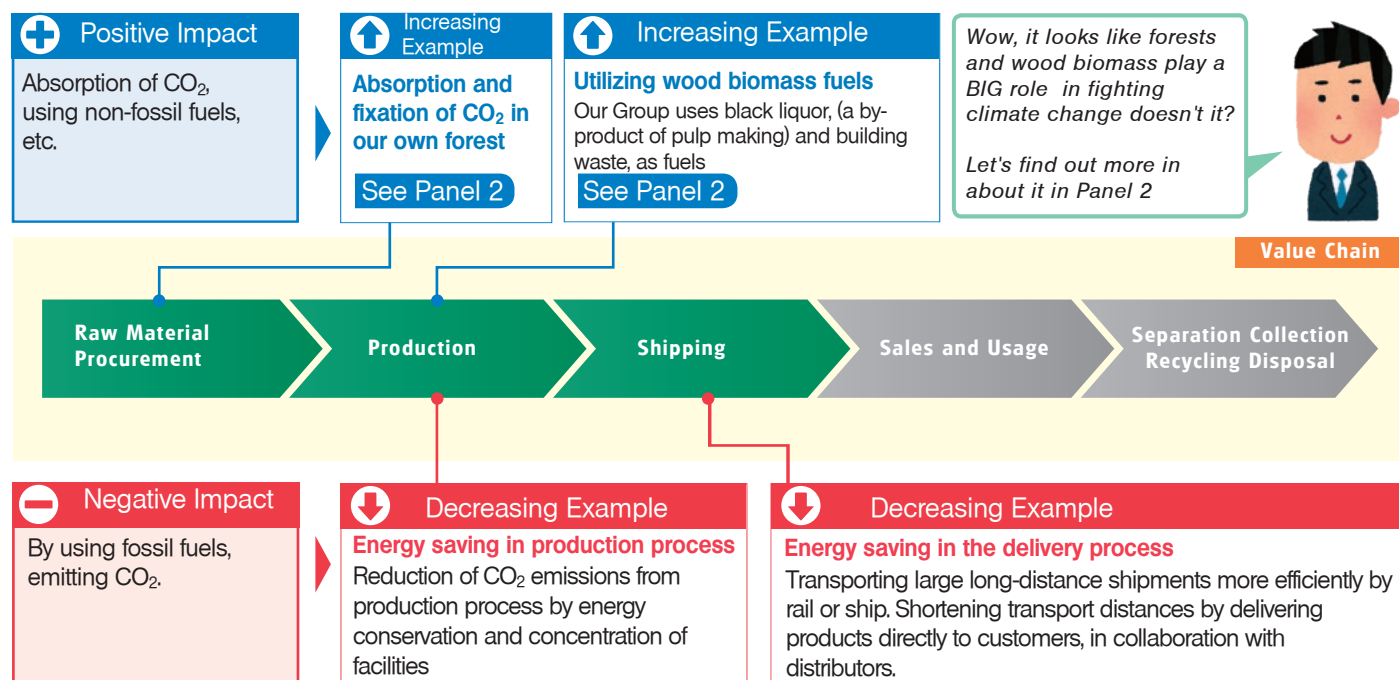
### Nippon paper group and Goal 13

Our Group's environmental charter clearly states a commitment to "Act to counter global warming". Specifically;

- converting to non-fossil energy
- conserving energy in each of our production and logistics processes
- managing proprietary forests properly to ensure CO<sub>2</sub> absorption/sequestration.

See our value chain\* below for examples of our Group's initiatives.

\* Value chain: the entire sequence of activities or parties that provide or receive value in the form of products or service



### Panel 1

### Countermeasures against climate change: Mitigation and adaptation

There are two major measures to cope with climate change: mitigation and adaptation.

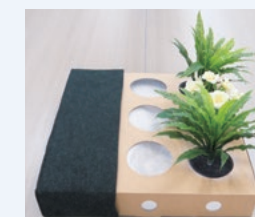
- Mitigation measures:** To suppress emission of greenhouse gases that cause global warming
- Adaptation Measures:** To adjust society's activities to tolerate the effects of global warming

Here we introduce examples where our products are useful for adapting to climate change.

#### Dealing with urban temperature rise (including measures against heat islands)

#### Sale of materials for greening walls (13.1)

Our Company, together with seed and seedling company, Sakata Seed Co., Ltd. makes wall surface greening materials which protect\* concrete-walled city buildings against heat, based on highly water-resistant paper (Sikra Pak), which can be recycled after use. It is becoming popular as a lightweight and easy-to-process material.



Wall base greening  
by Sikra Pak

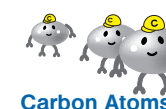


Wallpaper greening system  
by Sakata Seed

\* by blocking direct sunlight from reaching the concrete and by cooling the wall due to the transpiration effect of plants.

### Panel 2

### Working with forests and woods against climate change



Carbon Atoms

Hi!  
We combine with oxygen in the atmosphere and make CO<sub>2</sub>, which causes climate change.  
But forests absorb CO<sub>2</sub>, and that leads to the prevention of climate change.



During photosynthesis, CO<sub>2</sub> is absorbed and oxygen is released. The carbon stays in the tree.



Carbon Dioxide (CO<sub>2</sub>)  
(Gray for Carbon, Light Blue for Oxygen)

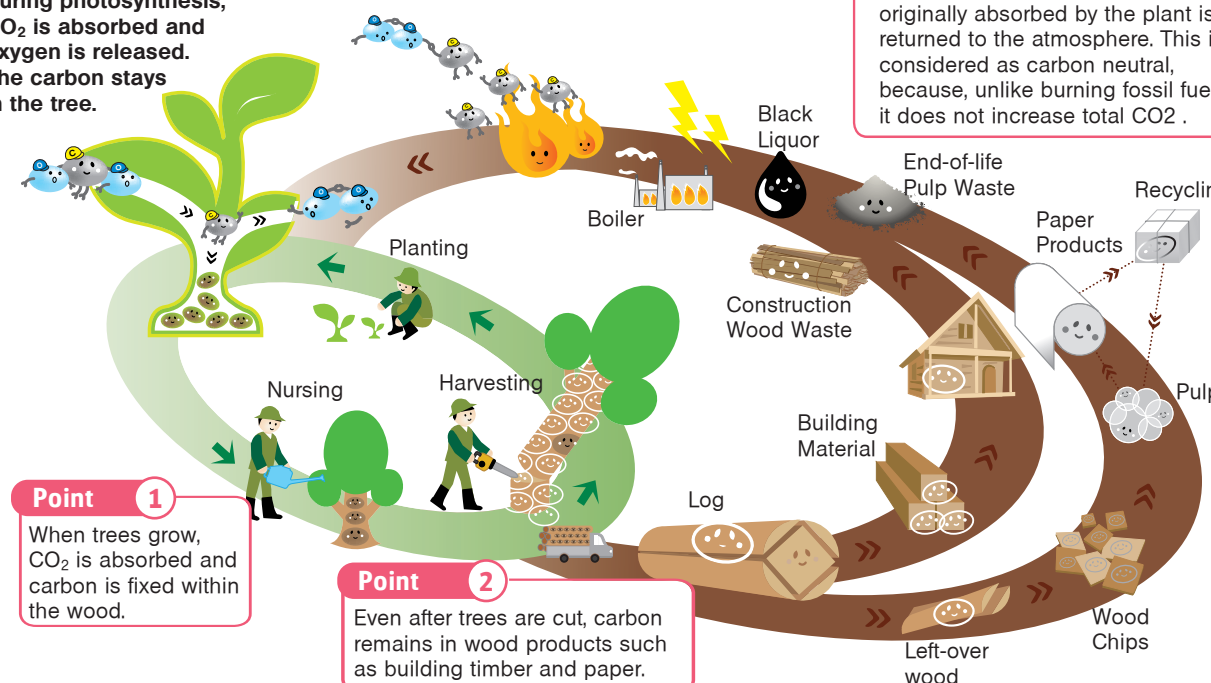
If carbon atoms could talk...

Listen, as they tell the story of forests, trees, wood, and climate change!!



Point 3

Discarded products and byproducts are used as fuel. When wood products are burned, the CO<sub>2</sub> originally absorbed by the plant is returned to the atmosphere. This is considered as carbon neutral, because, unlike burning fossil fuels, it does not increase total CO<sub>2</sub>.



Remember!!! In order to contribute to SDGs, it is important to think about how we can **strengthen our positive effects and reduce our negative effects!** We'd love to hear your ideas and opinions - so, please complete the WEB questionnaire. >>>



<https://bit.ly/2CNaXzG>