# Toward realizing a carbon neutral society

docomo

# The power consumed by a smartphone is surprisingly large.



Base station operation

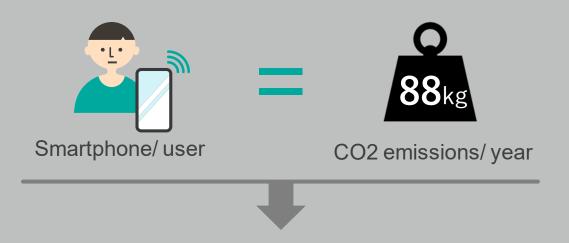


**Battery charging** 



Manufacturing and delivering to sales locations, etc.

# The telecommunications industry as a whole emits vast amounts of CO2.



Some 180 million mobile devices are currently used in Japan.

The total CO2 emission/ year is equivalent to what is produced by



\*Based on the amount of CO2 emitted by a private family car in one year from driving.



## The telecommunications industry has

a great responsibility.

DOCOMO will tackle CO2 emission reduction by applying cutting-edge technologies for improved energy efficiency and procuring clean renewable energies.

## DOCOMO's Initiatives for Carbon Neutrality

R&D

IOWN

Develop next-generation network and information processing platforms to realize higher-speed and lower-power communications.

Implementation

Network energy efficiency improvement

Promote technical
development and introduce
equipment
that helps reduce power
consumption of network

**Procurement** 

Renewable energy

Develop and procure renewable energy

## Network energy efficiency improvement

- Enhancement of base station sleep function
- Rollout of 5G low-power consumption equipment, etc.
- Equipment integration through density enhancement of base station equipment (High-density BDE\*)
- Direct power supply from high-voltage direct-current equipment to reduce transmission loss
- Active rollout of intelligent air conditioning control system

<sup>\*1</sup> Base station Digital processing Equipment

## Active use of renewable energies

In cooperation with NTT Anode Energy
Corporation, DOCOMO procures renewable
energy from various resources including
photovoltaic power plants.



# Initiatives for carbon neutrality of value chain

docomo Shop

# Promotion of green energy

Promoting green initiatives through installation of solar panels at docomo Shop, etc.

Supplier

# CO2 emissions reduction

Actively pursuing the procurement of eco-friendly products from suppliers of mobile devices and communications equipment, etc.

# DOCOMO will achieve carbon neutrality by 2030

\*Reduction of CO2 emissions generated through our business activities (covering scope 1 & 2 of GHG protocols) \*Including the amount of real renewable energy through Non-Fossil Certificates (NFCs) for renewable energy.





## High-Speed and Green 5G

5G offers improved energy efficiency compared to previous generations.

On top of it, DOCOMO's 5G is powered by green energy.

Let's start doing good for our planet with Green 5G!



\*The images above are for illustrative purposes only and the actual service/product may look different.

# ドコモでんき

### Green

docomo Denki Green

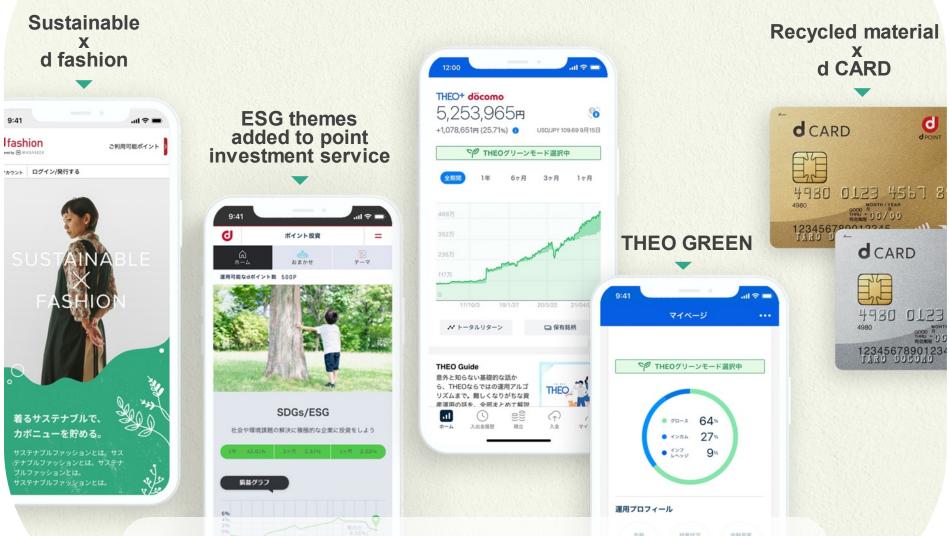
Electricity you use in everyday life to be derived 100% from green energy

Because electricity is an essential necessity for our lives, we have been thinking about how we can offer an environment-friendly solution that can serve your daily needs and lessen the impacts on the earth.

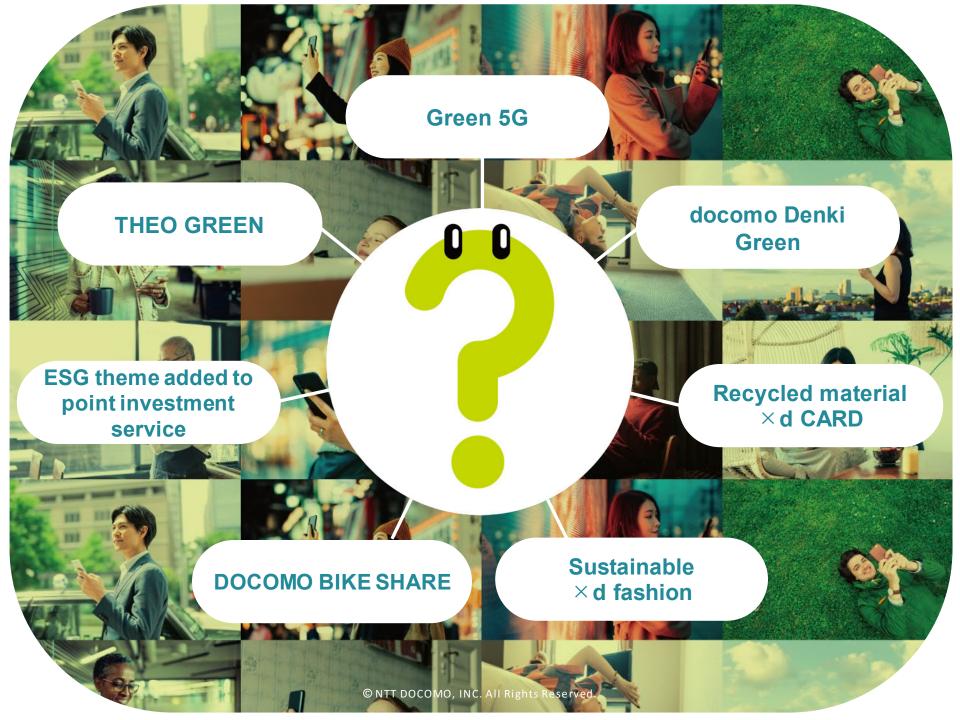


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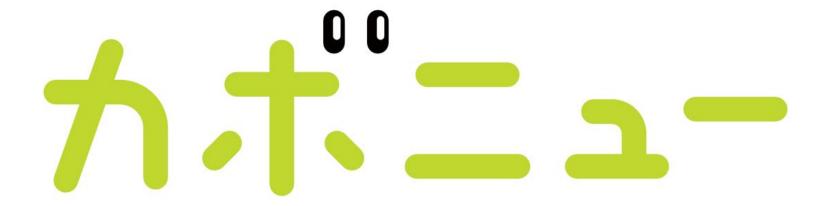
### Earth-friendly initiatives launched/in the pipeline!



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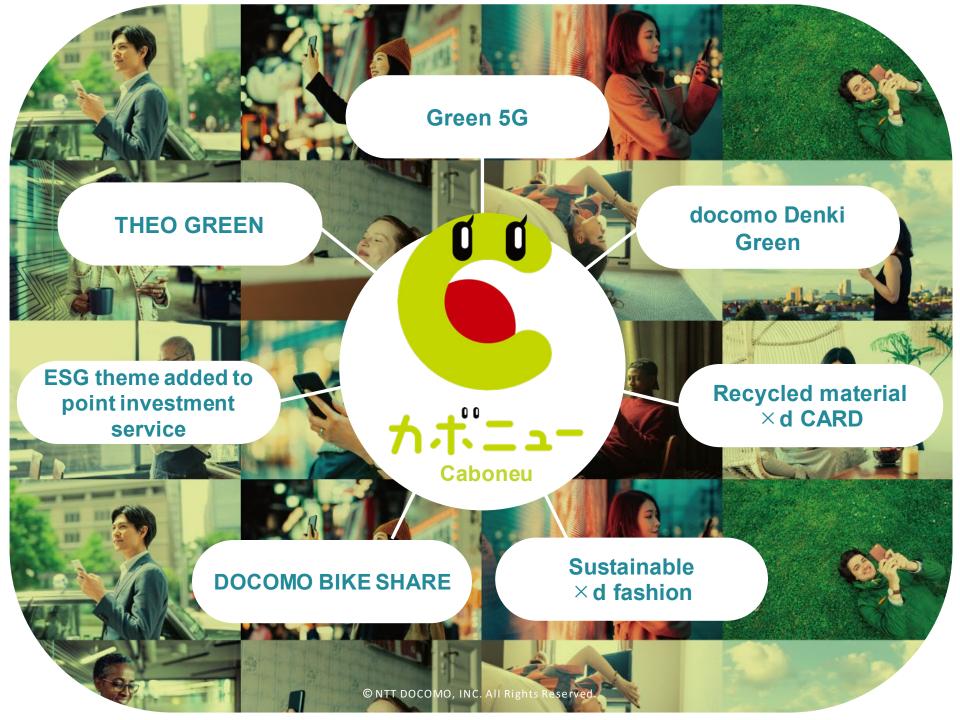


## Play kind for our planet. "Caboneu"



# Created a new character, "Caboneu," who eats CO2 to communicate our carbon neutrality initiatives in an easy-to-understand way



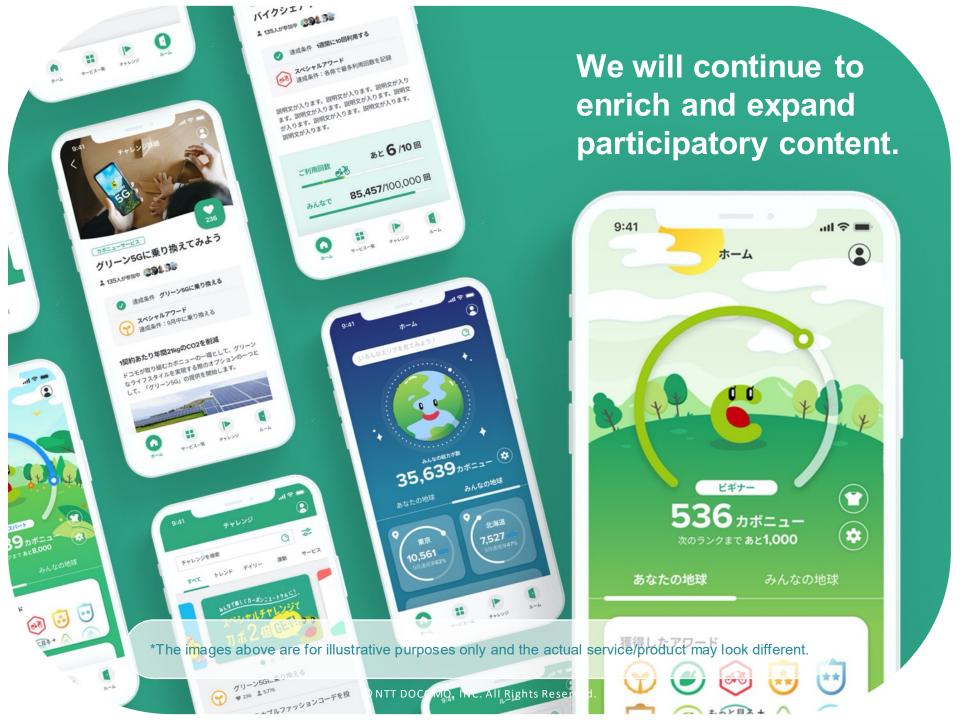


# Caboneu Platform

A platform that connects you with DOCOMO and our partners for playful carbon neutral actions and visualizes your contribution.



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## Caboneu cycle to save our planet together

Increase participants

Customers

Through participation to the platform, enjoy carbon neutrality actions as an everyday habit.

DOCOMO

OO

Develop a platform for greater collaboration with customers and partners.

Promote Cooperation



**Our Partners** 

**Expand Services** 

Work with partners to <u>promote</u> <u>services/ actions</u> that will lead to the achievement of carbon neutrality.

# Changing worlds with you.

Saving our planet with you.

# appendix

# THEO GREEN®

# Choose THEO GREEN to support green companies

Support companies that will build our future by selecting stocks of ESG-orientated corporations that are friendly to both our planet and society!!

Planned for launch: September 28, 2021



\*THEO GREEN is a feature that can be accessed by users of THEO+docomo service. With THEO Green, of the three functional portfolios provided by THEO, the Growth Portfolio will be composed primarily of ESG-related ETFs. Customers can switch to THEO GREEN at their own discretion (up to 10 times a year.) THEO+docomo is a service provided by Money Design Co., Ltd. in collaboration with NTT DOCOMO Inc., and NTT DOCOMO handles THEO+docomo as an intermediary of financial instruments.

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# ESG themes added to point investment service

# Start investing for the future using d POINTs

Invest in ESG-concious themes for earth-friendly and smart fund management

Planned for launch: Mid- October 2021



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## Sustainable × dfashion

# The standard "going forward"

Let's start from what we can do,

e.g., fashion suggestions that incorporate "sustainability" into our everyday life.

Launch: September 27, 2021



The images above are for illustrative purposes only and the actual service/product may look different.



# A new d CARD made of eco-friendly materials

By using recycled material sourced from waste plastic for d CARDs, we will reduce CO2 emissions generated in the manufacturing process

Planned for launch: 2023 or later



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This document is a translation of the Japanese original. The Japanese original is authoritative.

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- \* "E" in this material represents that the figure is a plan or projection for operation.
- \*\* "FY" in this material indicates the fiscal year ending March 31 of the succeeding year.
- "1Q" in this material represents the three-month period beginning on April 1 and ending on June 30, "2Q" represents the six-month period beginning on April 1 and ending on September 30, "3Q" represents the nine-month period beginning on April 1 and ending on December 31, and "4Q" represents the twelve-month period beginning on April 1 and ending on March 31.