Nature Positive Business Vision

May 28, 2026

For a Sustainable Society

Innovating a Sustainable Future for People and Planet

As a positive force for people and the planet, we focus on the needs of our customers and continuously drive dynamic innovation to create a more harmonious and prosperous future.

NTT Group's Core

Ensuring the positive coexistence of nature and humanity

Improving prosperity for all people and cultures

Maximizing well-being for all

NTT Group's Global Sustainability Charter

Background: Economy is Heavily Dependent on Natural Capital

almost half of global GDP

44 trillion USD

(Economic value generation dependent on natural capital)

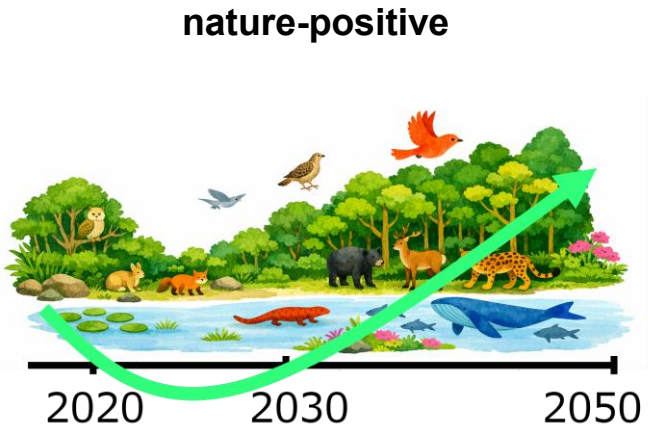
Source: Nature Positive Economy Transition Strategy, Ministry of Environment, Government of Japan(2024)

Nature dependencies by industry

Source: EXIOBASE, ENCORE data base, PwC analysis

Background: Importance of Nature Positive

Biodiversity is rapidly declining due to consumption of natural capital



Reverse the negative flow of biodiversity (loss) to positive flow (recovery)

Corporations and local governments need to take actions such as assessing the impacts of their business activities on nature and disclosing relevant information

NTT

- **Supports customers in solving their issues using AI, satellite data and other cutting-edge technologies**
- **Promotes initiatives in our own business activities**

Initiatives for Nature Positive

Business Vision in the Nature Positive Field

Making Nature Visible, Actionable and Valuable.

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Business for a Nature Positive Future

We envision an economy
where business and nature thrive together —
operating within planetary boundaries,
generating long-term prosperity,
and strengthening the resilience of
the ecosystems that sustain us all.

By applying AI, data, and advanced technology,
we turn environmental insight
into measurable action — enabling organizations to
make informed decisions, manage risk, and drive sustainable growth.

Through innovation, collaboration, and trusted expertise,
we create lasting impact for people,
for business, and for the natural world —
accelerating the transition to
a nature-positive economy.

Nature Positive Solutions

Consulting	● Nature Positive & Biodiversity Impact Advisory	NTT DATA
Visualization, value development	● Natural capital monitoring solutions ① ● Forest value creation platform (Morikachi) ● Forest analysis with satellite imagery (AW3D) ● Japanese oak wilt identification solution (AI tree disease detection)	docomo Business docomo Business NTT DATA NTT EAST
Action support	● Bird strike prevention system ② ● Agricultural support using next-generation greenhouse farming	docomo Solutions NTT AgriTechnology

① : Natural Capital Monitoring Solutions

Assessing state of nature is difficult and labor intensive

Estimating natural conditions remotely and efficiently

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AI-driven satellite analysis

(Patent pending)

BIOME

A largest biological bigdata in Japan

1. **Satellite imagery analysis by AI** to estimate vegetation distribution

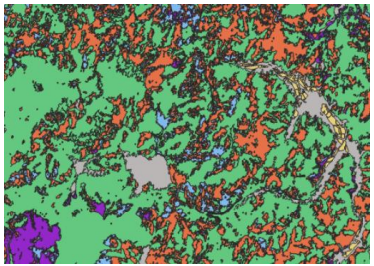
2. Integration and **mapping/visualization of vegetation/animal estimation data**

3. **Providing analysis reports**

① : Example in the Food and Beverage Sector

Implement ecosystem-conscious forest management to protect the waters around the factory

Estimating vegetation for forest facility planning



Mapping

Identification of **water-associated species to be conserved**



Organize **practices feasible during forest management**

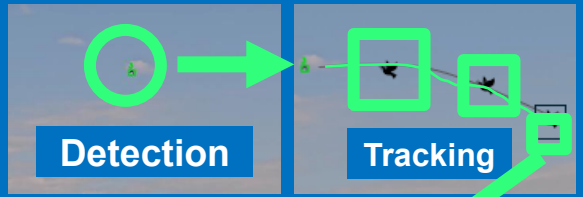
- ✓ Operation avoiding wetland areas to conserve habitats and other practices

- ✓ **Establishment of ecosystem-friendly forest management methods**
- ✓ **25 to 50% cost cut** compared to existing survey methods

② : Bird Strike Prevention System

Wind power operator

Customer



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Needed

To balance the stable operation of wind power generation with bird conservation

Provided

Automated a system to detect, track and identify birds approaching windmills and send alarms

(Patent pending)

Sustainable future opened by NTT

Bringing smiles to people and the planet

Innovating a Sustainable Future for People and Planet


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Reference: Nature Positive & Biodiversity Impact Advisory

Summary

Support clients in advancing Nature Positive strategies and meeting nature-related regulatory and disclosure requirements through a phased, end-to-end approach, leveraging deep strategy and advisory expertise.

Leveraging strategy and advisory expertise built on extensive experience

Scoping

- **Collection and processing of information** (environmental and organizational datasets)
- **Baseline characterization** (environmental, socioeconomic and legal)
- **Identification and prioritization** of impacts and dependencies on nature (ecosystem services)
- **Accounting** results in relation to business activity and interaction with **nature**

Strategy Design

- Identification of **business risks and opportunities** based on the scoping results
- **Benchmark** by industry, ambition / target
- **Design of Nature Positive goals**, in line with scoping, benchmark and existing regulation
- **Action/management plan definition.** Identification of measures to reduce impacts and dependencies, mitigate risks and leverage opportunities aligned with standards, market, and business vision

Strategy Execution

- **Design of positive actions** and /or **nature-based projects (NbS)**
- **Facilitate strategic alliances and partnerships** with regional or specific nature initiatives
- **Monitoring** of **actions** and/or **NbS projects** (economic and impact tracking)
- **Alignment with environmental markets** (in- and off-setting /Beyond Value Chain Mitigation (BVCM))

Governance

- **Monitoring of strategic actions** and their **outcomes**
- **Support in the reporting and disclosure** with digital solutions adjusted to regulatory and voluntary frameworks/standards (CSRD-ESRS, TNFD, SbTN)
- Development of **governance support tools** (third party or bespoke) **and processes** (change management, data governance training)

Customer issues

- Responding to disclosure and regulatory requirements (e.g. TNFD)
- Transitioning business activities toward Nature Positive

Solutions, values provided

- Support reporting and disclosure through digital solutions
- Provide analysis and decision-making support to define action plans, based on domain expertise and quantitative data

[Provider] NTT DATA

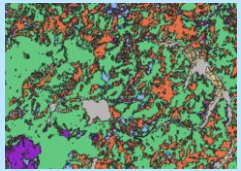
Reference: Natural Capital Monitoring Solutions

Summary

Estimation of vegetation and animal distribution information in the area specified by the customer. Generation of analytical report on the state of nature

Estimate state of nature remotely and efficiently using satellite imagery analysis, AI technologies, and biological big data

Estimation of vegetation and animal distributions



e.g., vegetation mapping

Identification of **species for conservation related to the business of customer**

(examples)

Rare species list

Organisms thriving in clear streams

Determination and implementation of actions to protect species to be conserved (Customer)

Customer issues

To promote nature-positive operation,

- Data on vegetation or animal are not up-to-date, if any
- Field surveys are labor intensive
- Areas outside own premise cannot be surveyed

Solutions, values provided

- Obtained ecological data from the areas including the surroundings using remote sensing
- Reduced field survey cost by 25–50%
- Formulated a conservation action plan tailored to business characteristics of the customer

[Provider] docomo Business

(Collaboration partner: Biome Inc.)

Reference: Forest Value Creation Platform (Morikachi)

Summary

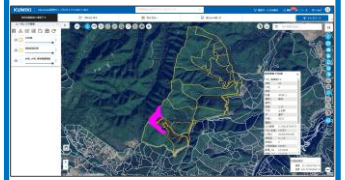
Service to comprehensively support creation, validation and trading of forest-derived J-Credits

Streamline credit creation and validation, promoting transparent trading, and revitalizing the entire forest-derived J-credit market

Support for application document preparation

Support for clear and seamless document preparation

Support for data management and validation



Centralized management of credit information on a map

Marketing website

Website that conveys the appeal of the project

Customer issues

- Credit creators: The system is complicated and the application process for issuing credits is burdensome
- Purchasers: Difficult to find right credits to purchase. Cannot determine the quality or fair price of the credits

Solutions, values provided

- Provided support for credit creation with Sumitomo Forestry. Streamlined the validation and data management using GIS technologies
- Made it possible to view and compare the features, quality, and prices of credits, such as creating regions, operator information, and forest maintenance status, before purchasing credits

[Provider] docomo Business

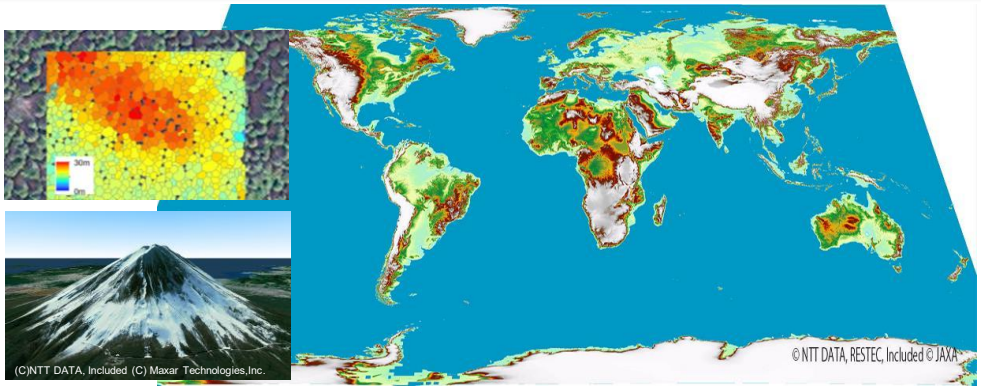
(Business owner/ collaboration partner: Sumitomo Forestry Co., Ltd.)

Reference: Forest Analysis with Satellite Imagery (AW3D)

Summary

High-precision data foundation that visualizes global terrain and surface features through satellite and 3D analysis

Enhance decision making on national land, forests and infrastructure with 3D data that are applicable for identifying forest resources and CO_2 absorption assessment



Customer issues

- Unable to obtain terrain and forest data in wide areas
- Data insufficiency in disaster prevention and infrastructure planning
- On-site surveys are burdensome and costly

Solutions, values provided

- 3D data with globally uniform accuracy
- Obtained data for forests, topography, and land use in wide areas
- Experience in over 4,000 cases in 130 countries
- Foundational data supporting policy and planning decision-making

[Provider] NTT DATA

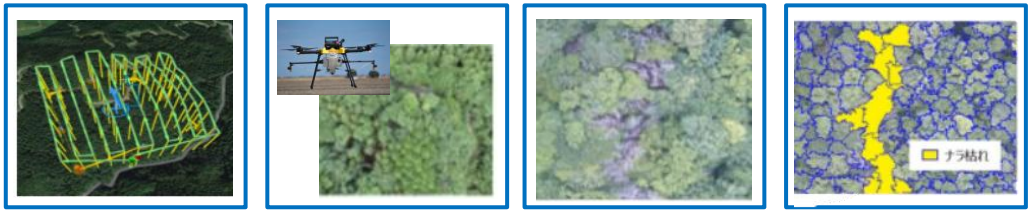
Reference: Japanese Oak Wilt Identification Solution

Summary

Support in organizing forest management plans by monitoring oak wilt with drone imaging and analysis technology

Oak wilt detection using drone-captured imagery and DF Scanner*

1. Flight planning
2. Drone flight, imagery generation
3. Imagery generation for the whole area
4. AI training, oak wilt detection



*DF Scanner: Forest analysis software provided by DeepForest Technologies Co., Ltd.

Customer issues

- Worsening of oak wilt causing widespread withering of oaks nationwide, and the accompanying loss of forest functions
- Shortage of successors in forest surveys and management

Solutions, values provided

Improved identification efficiency of oak wilt. Formulated a forest management plan

- Less labor-intensive Estimation of oak wilt incidence and spread
- Countermeasure planning at the right timing

[Provider] NTT EAST

(Collaboration partner: DeepForest Technologies Co., Ltd.)

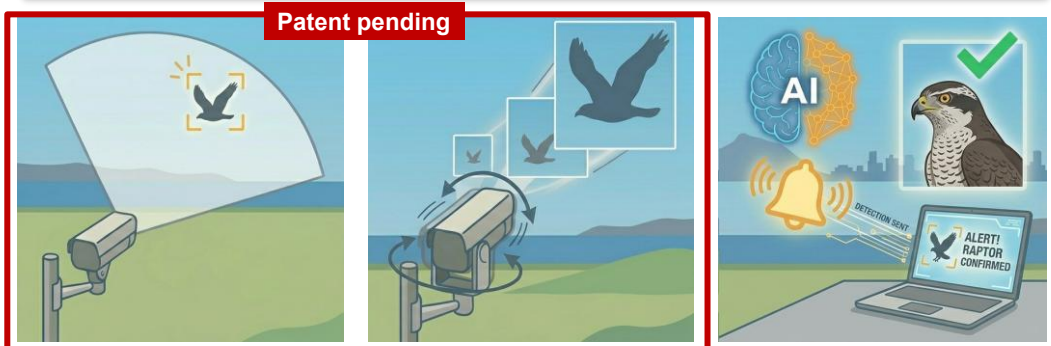
Reference: Bird Strike Prevention System

Summary

Solution that automates the motion detection, tracking, and zoom-imaging to monitor and analyze approaching bird species using our original AI technologies cultivated in the field

Monitoring and analysis tailored to actual environments realized by combining a patent-pending technology with bird species identification and notification

Patent pending



1. Motion detection

2. Tracking and zoom-imaging

3. Bird species identification and notification

Customer issues

For promotion of carbon neutral operation,

- Stable operation of wind power generation facilities
- Promotion of bird conservation by preventing accidental injuries

Solutions, values provided

- Supported the coexistence of wind power generation and the natural environment by providing our original AI technology customized for actual environments, along with bird species identification and notifications
- Reduced the risk of decrease in power generation operating rate and revenue by avoiding accident-induced shutdowns

[Provider] docomo Solutions

Reference: Agricultural Support Using Next-Generation Greenhouse Farming

Summary

Support for environmentally conscious farming using various cutting-edge technologies including integrated environmental control and remote farming

Precision and eco-friendly next-generation agriculture with integrated environmental control, data-driven approach, and AI

Customer issues

For realizing profitable agriculture and stable food supply,

- Increase in yield per unit area
- Environmental impact reduction by decreasing the use of water, fertilizers, and chemicals

Solutions, values provided

- Designed and constructed next-generation farming facilities
- Curved new land clearing and deforestation by increasing yields per unit area
- Reduced the use of fertilizer and chemicals. Suppressed soil runoff
- Implemented reuse of water. Reduced resource consumption

[Provider] NTT AgriTechnology