

Natural Capital

Integrating Nature into Strategic and Financial Decision-Making.

Natural Capital is an advanced analytics and decision-support platform designed to help organizations identify, quantify, and value their interactions with nature. Built on internationally recognized sustainability frameworks and powered by geospatial analytics and scientific methodologies, the platform enables companies, investors, and public institutions to integrate nature into strategic, operational, and financial decision-making.

The platform supports organisations across their Nature Positive journey, helping them move beyond climate-only approaches toward a holistic environmental strategy that incorporates biodiversity, ecosystem services, and natural capital valuation.



Insurance



Manufacturing &
Consumer Packaging Goods



Telco, Media & Technology



Automotive



Energy & Utilities



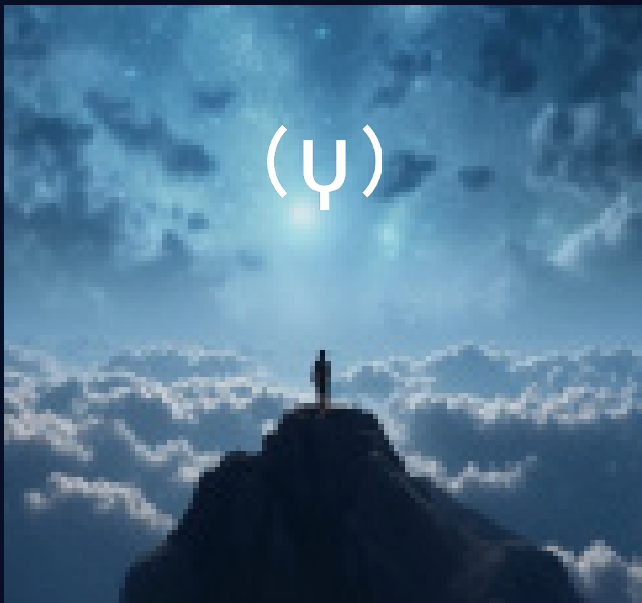
Healthcare, Life Sciences & Pharma



Retail

Why syntphony ?

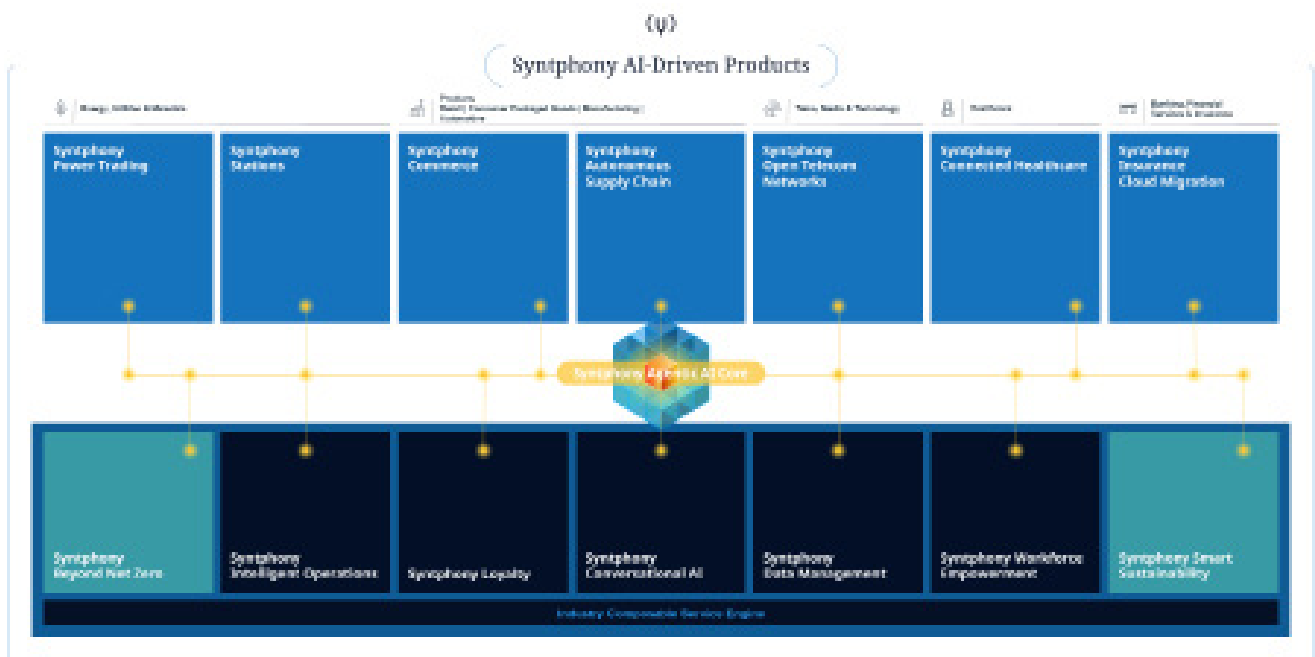
We develop products and solutions that are in tune with businesses



Syntphony is the composable platform of digital products and solutions from NTT DATA, created to help global organizations accelerate innovation, align business strategy with technology, and scale transformation initiatives with speed and efficiency.

Designed for enterprises that demand flexibility, modularity and integration, Syntphony offers a portfolio of ready-to-deploy, enterprise-grade digital products developed by NTT DATA's global talent network. By combining business consulting expertise, proprietary technologies and industry knowledge, the Syntphony ecosystem multiplies the value for clients, reducing time to market and unlocking synergies across multiple domains.

Syntphony is the AI-driven composable platform of NTT DATA, enabling clients to orchestrate scalable, resilient, and future-ready business solutions.



Syntphony Beyond Net Zero

Syntphony Beyond Net Zero is an advanced platform designed to provide end-to-end environmental impact calculation and reporting.

It enables organizations to measure corporate emissions, natural capital impacts, and carbon footprints while supporting the development of decarbonization initiatives to achieve net-zero targets.

This is achieved through scenario simulations and data-driven impact reduction proposals.

Carbon Insights

End-to-end carbon footprint calculation for devices, applications, cloud, data centers, networks and Real Estate, based on real-time data. Corporate carbon emissions reporting.

Environmental Markets

A secure and traceable blockchain system enabling ESG compliance and sustainable project funding through flexible environmental credit generation across carbon, water, energy and biodiversity assets.

Natural Capital

A digital tool that enables organizations to assess, value and manage their interactions with nature, supporting nature-positive strategies, regulatory alignment and science-based decisions through geospatial data and recognized sustainability frameworks.



Understanding the True Value of Nature for Your Business

The global economy is deeply intertwined with nature. Ecosystems provide essential services that support industries, supply chains, and economic stability.

Pollination sustains agriculture, forests regulate climate, wetlands purify water, and coastal ecosystems protect infrastructure and communities from extreme weather. Yet these services have historically been treated as externalities, rarely accounted for in business decisions.

This paradigm is rapidly changing.

In 2022, **188 countries endorsed the Global Biodiversity Framework at COP15**, committing to a transformative global agenda to halt and reverse nature loss. One of the most ambitious commitments within the framework is the **30x30 target**: protecting 30% of land and oceans and restoring 30% of degraded ecosystems by 2030.

The ultimate goal is clear: **reverse biodiversity loss by 2050.**

For businesses, this shift represents both a challenge and an opportunity.

More than **half of global GDP is moderately or highly dependent on nature and ecosystem services**. Industries such as agriculture, energy, manufacturing, infrastructure, and finance rely heavily on natural systems for raw materials, climate stability, and ecosystem resilience. As biodiversity declines and ecosystems degrade, these dependencies become increasingly visible as operational, financial, and systemic risks.

Research suggests that by 2050, the decline of ecosystem services — including pollination, water availability, coastal protection, and carbon storage — could lead to **global economic losses approaching 10% of GDP**.

At the same time, investors and regulators are demanding greater transparency around how companies interact with nature.

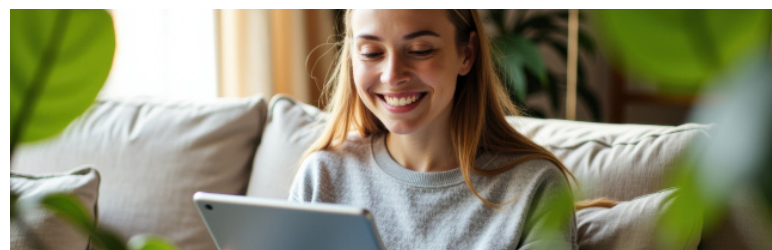
Financial markets are increasingly recognizing that environmental degradation can translate into material financial risk. It is estimated that **over 50% of the market value of publicly listed companies is exposed to ecosystem disruption risks**, highlighting the need for organizations to assess and manage nature-related dependencies more effectively.

Investor expectations are also evolving rapidly. Nearly **half of institutional investors now express strong concern about the financial implications of nature loss**, and financial institutions are beginning to integrate biodiversity risk into their investment frameworks.

This shift is further reinforced by emerging global standards. The **Taskforce on Nature-related Financial Disclosures (TNFD)** is gaining momentum, with more than **730 organizations publicly committed to adopting its recommendations**. In parallel, regulatory frameworks such as the **Corporate Sustainability Reporting Directive (CSRD)** in Europe are expanding disclosure requirements related to biodiversity and natural assets.

For organizations operating globally, this means that nature-related disclosures will soon become **mandatory, structured, and subject to scrutiny**.

Forward-looking organizations are recognizing that nature is not only a risk factor but also a strategic asset.



Natural Capital is an integrated analytical platform designed to help organizations understand, measure, and manage their relationship with nature across operations, assets, and supply chains.

At its core, the platform provides organizations with a structured methodology to identify how their activities impact ecosystems and how their operations depend on the services those ecosystems provide. By combining operational data, geospatial analysis, environmental datasets, and scientific frameworks, Natural Capital generates a comprehensive picture of the interactions between business activities and natural systems.

Unlike traditional environmental reporting tools that focus primarily on qualitative assessments, Natural Capital **enables organizations to perform both qualitative and quantitative analysis of nature-related impacts and dependencies**. The platform goes beyond descriptive insights by incorporating economic valuation models that translate ecosystem services into monetary terms.



This capability allows organizations to understand not only where environmental interactions occur, but also what they mean financially and strategically.

The platform supports the full lifecycle of natural capital analysis, from initial data digitization to advanced financial valuation.

Organisations can integrate multiple project sites, business activities, and operational datasets into the platform, creating a **unified digital representation of how their assets interact with surrounding ecosystems**. Each site is characterized using environmental, social, and legal information, providing a baseline understanding of the local context in which operations take place.

A Science-Based Platform Built for Strategic Decision-Making

One of the most important differentiators of the platform is its ability to connect environmental science with financial decision-making.

Rather than treating biodiversity as a purely environmental concern, Natural Capital integrates ecosystem valuation into business analytics, enabling organizations to understand how nature impacts operational performance, asset valuation, and long-term financial resilience.

Another key differentiator lies in the platform's ability to analyze nature interactions site by site and project by project.

Many sustainability tools operate at a high organizational level, making it difficult to identify specific operational hotspots or understand the local ecological context of business activities.

Natural Capital addresses this challenge by integrating geospatial data and environmental datasets that allow organizations to analyze each asset within its surrounding ecosystem. This site-level perspective enables organizations to identify where interventions will have the greatest impact and where environmental risks are most likely to materialize.

The platform also stands out for its ability to handle large volumes of complex data while maintaining clarity for decision-makers.

Natural Capital synthesizes these datasets into structured insights and visual dashboards, allowing organizations to move from raw environmental data to actionable strategic intelligence.

Another important dimension of the platform is its alignment with global sustainability frameworks and regulatory standards.

By embedding internationally recognised methodologies within the platform's analytical models, Natural Capital ensures that organizations can use the insights generated by the tool to support disclosure requirements and sustainability reporting obligations.

This alignment significantly reduces the complexity associated with compliance and allows organizations to respond more effectively to the rapidly evolving regulatory landscape.

Natural Capital positions organizations not only to manage risk but also to unlock the economic and strategic opportunities associated with a nature-positive future.



Driving Business Value Through Natural Capital Insights

Financial Materiality & Decision-Making

By assigning economic value to ecosystem services, Natural Capital enables organizations to translate environmental impacts and dependencies into financial metrics. This capability allows companies to integrate nature-related considerations into capital allocation, investment analysis, and asset valuation processes. Decision-makers gain clearer visibility into how environmental changes may influence revenues, operational costs, and long-term enterprise value.

Regulatory Compliance & Disclosure Readiness

Natural Capital provides structured, traceable, and auditable data that supports regulatory compliance and sustainability reporting. By aligning methodologies with frameworks such as TNFD, CSRD biodiversity requirements, and Science-Based Targets for Nature, organizations can streamline reporting processes, reduce legal and reputational risks, and ensure consistent disclosures across ESG and financial reporting channels.



Impact and Dependency Identification & Financial Exposure Management

The platform systematically identifies how business activities depend on and affect ecosystems. Through quantitative analysis and ecosystem service valuation, organizations can detect high-risk operational areas, assess supply chain vulnerabilities, and anticipate regulatory exposure. This insight enables companies to prioritize mitigation actions and strengthen enterprise risk management strategies.

Strategic Resilience & Business Adaptation

Understanding ecosystem dependencies allows organizations to anticipate environmental disruptions and adapt business strategies accordingly. Natural Capital helps companies identify operational hotspots, diversify sourcing strategies, and reduce reliance on degraded ecosystems. This leads to stronger supply chain resilience, improved business continuity, and more robust long-term sustainability strategies.

Value Creation & Competitive Advantage

Early adoption of natural capital analytics positions organizations as leaders in sustainability and responsible business practices. By demonstrating measurable progress toward nature-positive strategies, companies can strengthen investor confidence, enhance ESG ratings, and differentiate their brand in increasingly sustainability-focused markets. This positioning may also contribute to improved access to capital and stronger stakeholder trust.

Platform Capabilities for Nature Analysis and Management

Digitization & Data Integration

Natural Capital centralizes operational data, environmental datasets, and geospatial information into a single integrated platform. By linking business activities with their environmental context through GIS technology, organizations gain a holistic understanding of how operations interact with surrounding ecosystems, enabling more informed analysis and improved cross-functional collaboration.

Baseline Characterization

The platform establishes a comprehensive environmental, social, and legal baseline for each project site or asset. By integrating information from environmental impact assessments and authoritative external data sources, Natural Capital provides a structured foundation for understanding the ecological and regulatory context of operations.

Impact & Dependency Quantification

Natural Capital assesses how business activities influence ecosystems and how operations depend on ecosystem services. Through advanced analytical models, the platform quantifies nature-related impacts and dependencies using operational and geospatial data, enabling organizations to identify material environmental interactions and prioritize mitigation actions.

Ecosystem Services Valuation

One of the platform's most powerful capabilities is the economic valuation of ecosystem services. By translating environmental interactions into monetary terms, Natural Capital allows organizations to understand the financial implications of ecosystem degradation or restoration and incorporate these insights into investment decisions.





Agentic AI for Next-Generation Natural Capital Management

Traditional natural capital assessments require extensive manual data collection, framework interpretation and analysis. Syntphony Natural Capital combines geospatial intelligence, sustainability expertise and AI capabilities to accelerate nature-related assessments, reporting and decision-making at scale.

Framework reporting & alignment

Automatically maps client information to TNFD, CSRD, SBTN and other emerging nature frameworks, generating structured, audit-ready sustainability reports.

GIS & data integration intelligence

Accelerates integration of GIS layers, environmental datasets and project information, creating a unified view of assets, ecosystems, impacts and dependencies.

Natural Capital recommendations

Suggestions of site-level actions, mitigation opportunities and nature-positive improvement initiatives. Supports prioritization of investment and restoration decisions.

Benchmarking & insights

The platform compares organizational performance against internal and external datasets, identifying gaps, risks and improvement opportunities.

Sustainability Copilot

AI in-progress contextual AI assistant that helps users navigate methodologies, reports, ecosystem services valuation and regulatory requirements, accelerating adoption and improving decision-making.





From Manual Sustainability Management to Agentic Natural Capital Orchestration

From compliance-driven To value-driven natural capital management

Transform sustainability into a strategic lever for competitiveness, resilience and impact optimization.

From static analysis To continuous improvement

Organizations can continuously evaluate performance, identify risks and uncover improvement opportunities

From manual data processing To autonomous data ingestion & enrichment

AI agents automatically integrate GIS maps, documents and datasets, creating structured, usable information with minimal human intervention.

From framework complexity To intelligent framework orchestration

Seamless alignment across TNFD, CSRD and SBTN through AI-driven mapping and report generation.

From descriptive outputs To prescriptive recommendations

AI agents move beyond reporting to suggest optimal actions, improvements and strategies at site level.

Through agentic AI, Natural Capital Management transforms complex, data-intensive processes into autonomous, intelligent operations. By embedding AI agents that perceive, reason, and act, we enable clients to accelerate compliance, enhance decision-making, and unlock new strategic value. This approach positions sustainability not only as a regulatory requirement, but as a scalable driver of operational efficiency and competitive advantage.



Nature & Biodiversity Assessments

Organizations can use Natural Capital to evaluate how their assets and operations interact with ecosystems across their entire portfolio. The platform enables detailed biodiversity assessments, mapping impacts and dependencies while identifying opportunities to achieve biodiversity net gain or net positive impact targets.

Natural Capital Accounting

Natural Capital allows organizations to integrate ecosystem services valuation into financial and strategic planning processes. By incorporating natural capital into accounting frameworks, companies can better evaluate environmental risks and opportunities when planning investments, managing assets, or developing long-term sustainability strategies.

Sustainability Leadership & Strategic Positioning

By leveraging Natural Capital analytics, organizations can demonstrate measurable progress toward nature-positive strategies and position themselves at the forefront of emerging environmental markets. The platform supports alignment with frameworks such as TNFD and SBTN while strengthening transparency for investors and stakeholders.



About NTT DATA

NTT DATA - a part of NTT Group - is a trusted global innovator of IT and business services headquartered in Tokyo. We help clients transform through consulting, industry solutions, business process services, IT modernization and managed services. NTT DATA enables clients, as well as society, to move confidently into the digital future. We are committed to our clients' long-term success and combine global reach with local client attention to serve them in over 50 countries.