

# Introduction

International Paper (IP) is a global leader in sustainable packaging solutions, employing more than 65,000 team members and serving customers around the world from operations in more than 30 countries. With a long legacy of forestland ownership, and as one of the world's largest users of wood fiber, we are deeply connected to the natural world and forest ecosystems. We know that working forests support biodiversity conservation by providing diverse habitats that support a wide range of plant and animal species. Water and forest resources are essential not only for production processes but also for maintaining the broader ecosystem. This is why nature is a key element of our Vision 2030 framework as part of our Healthy and Abundant Forests goal.

Our sustainability reports have been prepared in accordance with the Global Reporting Initiative (GRI) standards and have consistently tracked our progress toward these goals and targets since 2019.

On January 31, 2025, we welcomed DS Smith into the International Paper family. It's important to note that this report does not include data from DS Smith. In 2025, we plan to analyze and consolidate our sustainability data and roadmaps and develop a new framework that reflects our current and future identity.

This report aligns our reporting practices with the Taskforce on Nature-related Financial Disclosures (TNFD) framework, enhancing transparency in communicating our ongoing actions to protect nature. The TNFD framework provides a comprehensive approach for organizations to assess, report, and act on nature-related dependencies, impacts, risks, and opportunities. As an early adopter of this framework, we pledged to make our first disclosure for the 2024 financial year, a commitment announced at the World Economic Forum in Davos in January 2024.

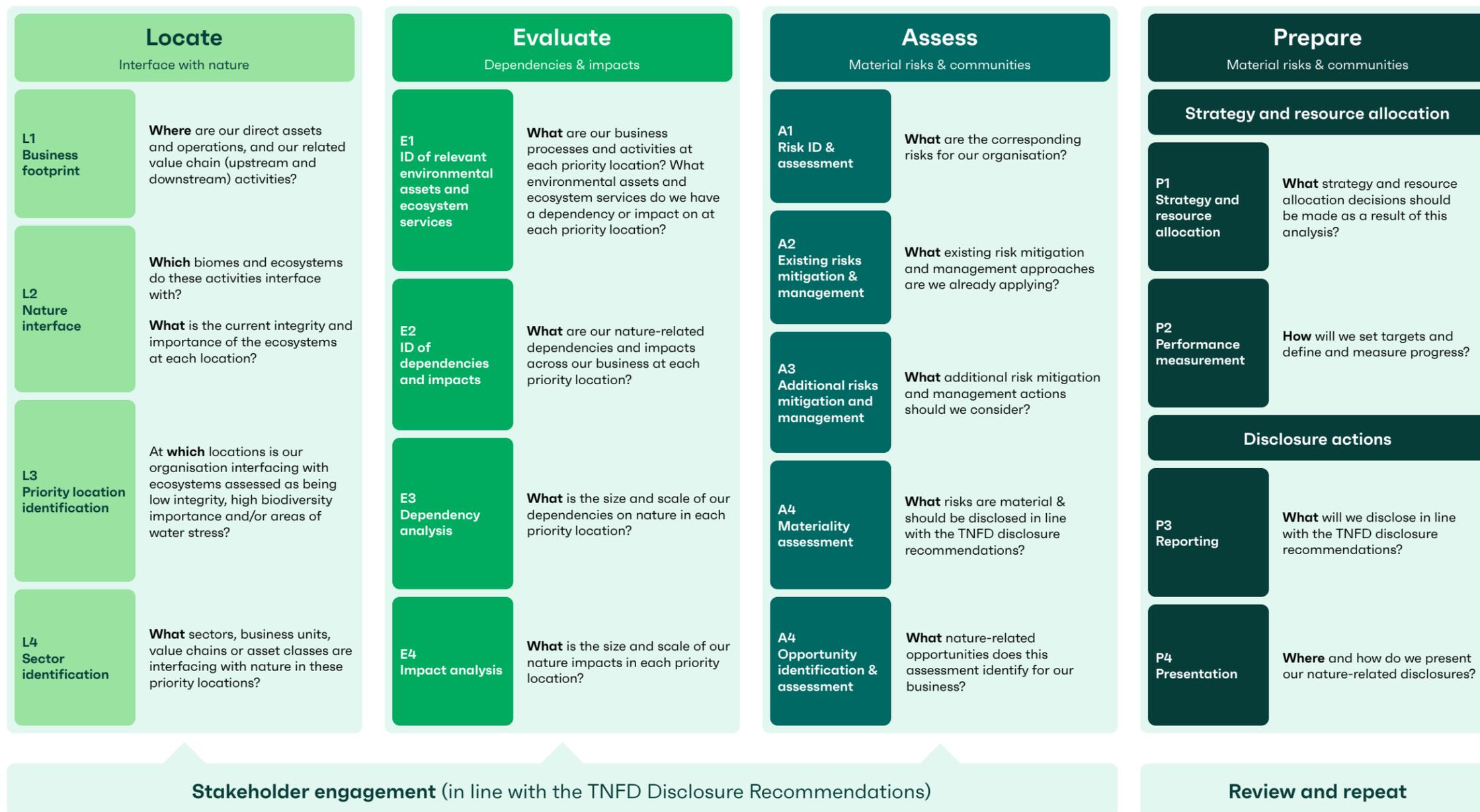
To learn more about sustainability at IP, visit [our website](#).



# The LEAP approach

This TNFD report discloses information on IP’s nature-related interface and initiatives. Aligned with the TNFD framework recommendations, our inaugural TNFD report was prepared following the Locate, Evaluate, Assess, Prepare (LEAP) approach to identify dependencies, impacts, risks, and opportunities related to our business and nature. We also draw on additional TNFD sector guidance for forestry, pulp and paper.

In our first TNFD report, we focus our efforts on key areas identified during the scoping phase as having the highest potential impact: our upstream activities and operational footprint. While we did not cover every aspect of the LEAP process this year, we made significant progress by conducting a double materiality assessment (DMA), which broadens the traditional view of materiality to include both financial and non-financial impacts. The recent completion of the DMA will inform future steps. As we continue to refine and enhance our nature-related disclosure practices, we plan to continue our use of the LEAP approach which may include other areas in future reports.



Source <https://tnfd.global/publication/additional-guidance-on-assessment-of-nature-related-issues-the-leap-approach/>

# The nature imperative

Healthy forests are crucial for planetary health, mitigating climate change by sequestering carbon, cleaning water and conserving biodiversity. IP is committed to responsible forest stewardship, balancing production with sustainable resource management to protect these essential global ecosystems. We are committed to producing the products our customers need while being responsible stewards of the world’s natural resources. Climate change and risk management have long been core issues in our enterprise strategy, as evidenced by our reporting to the Task Force on Climate-related Financial Disclosures (TCFD) framework, now incorporated in our [ISSB IFRS S2 Climate-related Disclosure](#). By adding nature-related disclosures to our existing sustainability reporting, we aim to be better stewards of the natural resources upon which both our business and the planet depend.

## How we promote healthy and abundant forests

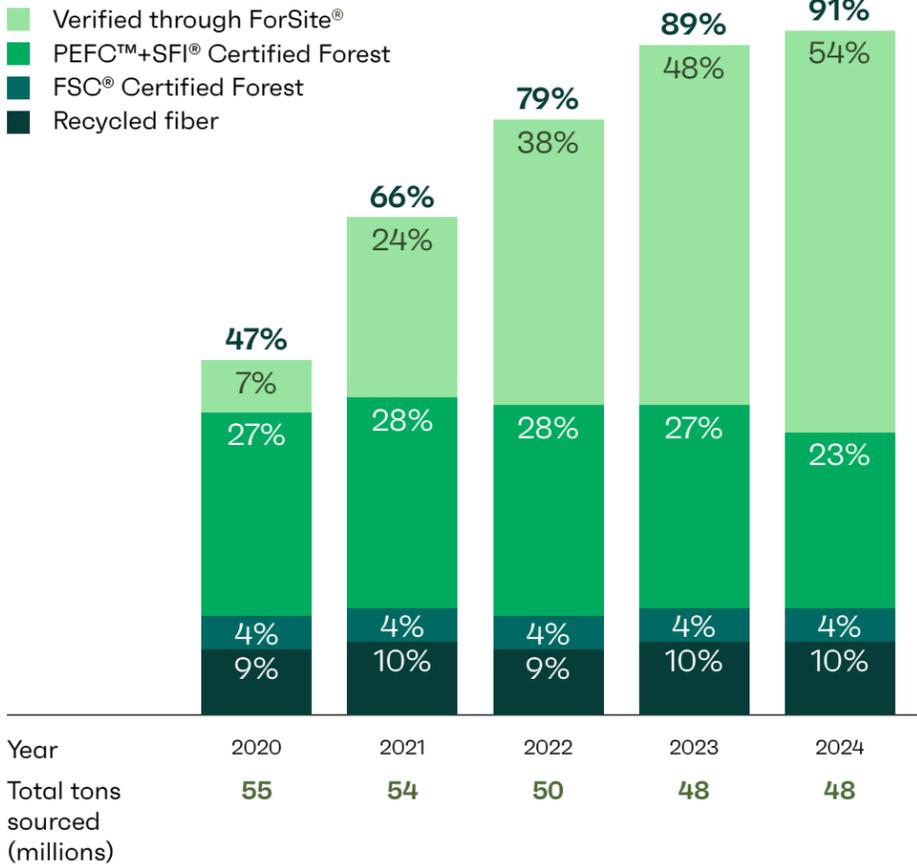
Healthy forests are essential to a healthy future for our planet: they mitigate climate change through carbon sequestration, clean our water and provide habitat that wildlife populations need to thrive. And at International Paper, forests are at the heart of everything we do.

Our Vision 2030 goal is to lead forest stewardship efforts globally by meeting the following two targets:

- Source 100% of fiber from sustainably managed forests or recovered fiber while safeguarding forests, watersheds and biodiversity
- Conserve and restore 1 million acres (400,000 hectares) of ecologically significant forestland

In 2024, IP exceeded its conservation goal—restoring over 1,158,000 acres of ecologically significant forestland. This milestone advances biodiversity, carbon sequestration, and sustainable land management—reinforcing our commitment

## Our fiber procurement



to climate resilience. Building on this success, we plan to develop new conservation targets as we fully integrate with DS Smith, ensuring continued impact and alignment with evolving sustainability priorities.

In 2024, 91% of fiber was verified as derived from sustainably managed forests. The remaining 9% of fiber volume complies with International Paper’s Global Fiber Procurement Policy; we plan to continue increasing verification efforts toward our Vision 2030 goal.

## Water management

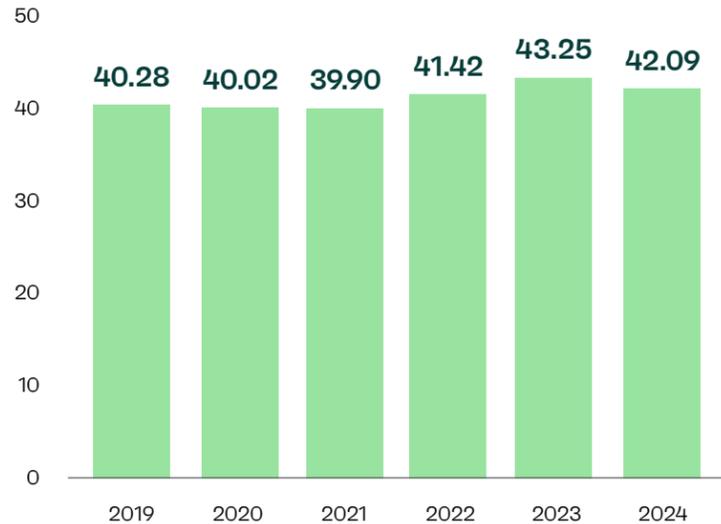
Our Vision 2030 target is to advance water stewardship by meeting the following target:

- Reduce our water use intensity by 25% and implement context-based water management plans at all mills

In 2024, we continued to make progress in reducing water use intensity. Our water use intensity decreased by 2.7% compared to 2023, although it increased by 4.5% over 2019. This improvement from the previous year was primarily driven by an increase in overall volume of production without increasing water use in the manufacturing process.

From 2024, our water stewardship activities are more closely aligned with our manufacturing objectives, focusing on water risk and meeting regulatory needs. We will continue to focus on context-based water management plans that reduce water use risk and improve water basin health.

## Water use intensity in m3/metric ton



To learn more, read our [2024 Sustainability Report](#).

# Our interface with forestland in our upstream value chain

## L4 Interface with nature

All wood fiber and water used by IP for production originates from the United States (96.5%) and Canada (3.5%). Since 2018, we have mapped the locations of all uncertified direct fiber sourcing to our mills. While we've made strong progress in mapping and managing our resource sourcing, we have not yet assessed areas with high ecosystem service delivery importance. Looking ahead, we plan to analyze these areas — where nature provides critical benefits to indigenous peoples and Local Communities — across our entire procurement footprint.



### Our 2024 fiber sourcing in context

100% direct sourcing from uncertified forests traceable to origin

100% meets the Forest Stewardship Council (FSC) Controlled Wood Standard

100% direct sourcing verified no conversion of High Conservation Value Forests (HCVFs)

100% indirect sourcing traceable to a country and county level or origin

100% Suppliers monitored to meet IP's Global Fiber Procurement Policy

0% sourcing from peatlands or High Carbon Stock (HCS) forest

0% sourcing from Intact Forest Lands (IFLs) and old growth forests (HCV 3)

ForSite® has been 3rd party verified by Preferred by Nature<sup>1</sup>

<sup>1</sup> Preferred by Nature has conducted a tailored independent evaluation of International Paper's ForSite® fiber sourcing system. The system has been verified to comply with Preferred by Nature's Due Diligence and System Requirements Standards and selected sustainability criteria from the Sustainability Framework. The scope of the evaluation criteria can be viewed on [Preferred by Nature's website](#).

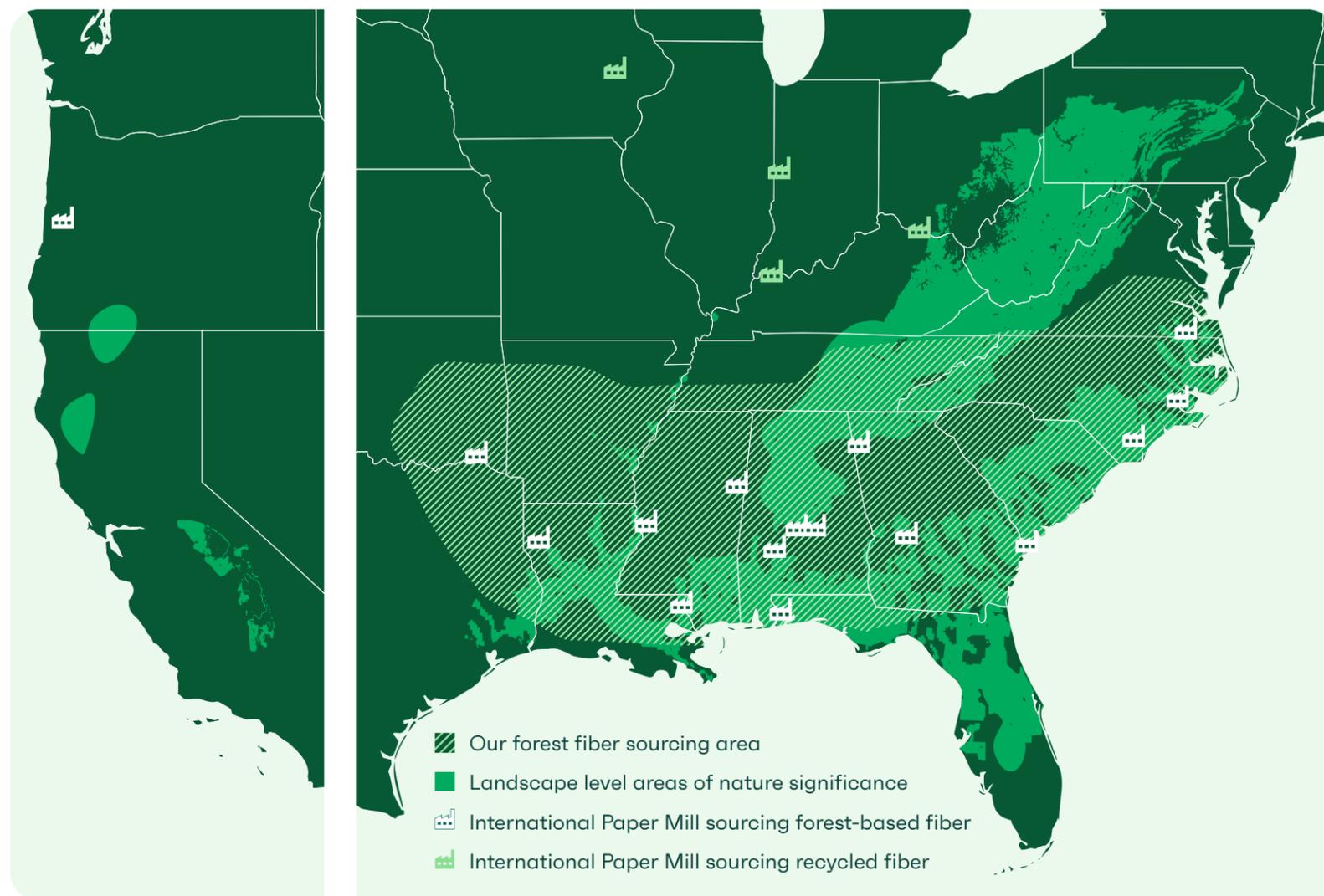
# Our dependencies and impacts on forestland

To locate and evaluate the interface between IP’s operations and nature, we first plot the locations of our U.S. mills and their respective sourcing areas compared to landscape level areas of nature significance following the Forest Stewardship Council (FSC) US High Conservation Value Forest (HCVF) Framework and Controlled Wood National Risk Assessment (Figure 1). The map in Figure 1 highlights IP’s interface with nature via our forest fiber sourcing footprint overlaid on significant biodiversity areas following the FSC US HCVF framework and Controlled Wood National Risk Assessment.

Because nature is important at both a local and landscape level , we use ForSite® to examine the state of nature at locations where we source fiber. Our assessment includes data on rare, threatened and endangered species from NatureServe Global Conservation Status Ranks (G1/G2, S1/S2) as seen in (Figure 2). Based on our assessment, approximately 7% of our procurement area is located in or near sensitive locations. For this area, we implement additional due diligence procedures at the forest management unit level to mitigate potential nature risks as described in our [ForSite® Due Diligence process](#).

A key part of our approach is supplier engagement and technical capacity building. We provide training on risk mitigation techniques to suppliers operating in sensitive locations, strengthening their ability to identify and address nature-related risks through forest management practices. Additionally, we collaborate with local communities and experts to promote sustainable forest management.

Beyond sensitive areas, we engage other wood fiber suppliers, such as sawmills producing residual chips, through questionnaires on their due diligence processes. This broader effort promotes our aspirations to achieve our Vision 2030 target of sourcing 100% of our fiber from sustainably managed forests and also helps as we prepare for compliance with other upcoming regulations such as EU Deforestation Regulation.



**Figure 1:** Map of our wood fiber sourcing footprint for manufacturing mills within landscape-level biodiversity areas identified in the Locate phase of the LEAP assessment. See recommended disclosures for data referenced.

**Figure 2:** Local level high conservation value attributes present both inside and out of key biodiversity areas.

	% High Conservation Value identified at a local level
Threatened and endangered species inside and outside key landscapes	6.33%
Priority forests and key characteristics indicating higher levels of biodiversity and landscape connectivity	0.70%
Both local level High Conservation Value types	0.12%

# Our interface with water in our own operations

As a sustainable packaging solutions company deeply connected to natural systems, we recognize that water-related risks pose significant challenges to our operations, supply chain, and the communities we serve.

**L4 Sector identification**

In alignment with the LEAP approach, we have conducted a comprehensive assessment of the water-related risks and opportunities throughout our operations, focusing on our manufacturing operations. In 2024, we used the World Resources Institute’s (WRI) Aqueduct 4.0 Water Risk dataset (baseline water stress), as recommended by the TNFD, to identify our physical water risk. This analysis spanned our entire operational footprint, including all global containerboard mills and cellulose fiber mills.

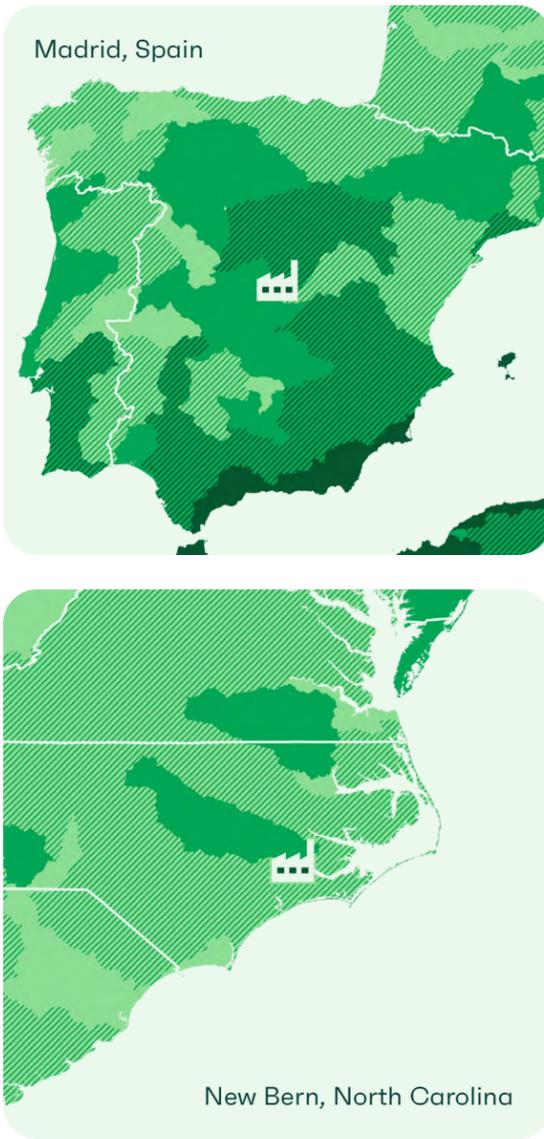
**A2 Existing risk mitigation and management**

Our current focus is on water usage at our containerboard and pulp mills, as these operations are essential to production and represent our most significant water consumption. We believe our converting operations have minimal water resource use. The assessment revealed that three of our U.S. mills are located within high or extremely high water stress areas. As new data has become available, the results of our risk analysis have changed for some of our mills.

Recognizing the unique challenges water stress presents, we have adopted local, context-based approaches to water management at our sites. For instance, we are undertaking a project that aims to reduce potable water consumption at the Madrid Mill, which resulted in an 18% reduction in water use since 2019.

**Figure 3:** The maps show our Madrid and New Bern mill locations. Other mills overlapping with high water stress areas will be assessed to determine what water challenges they may face.

Overall Water Risk score from World Resources Institute “Aqueduct” data.



Low	No data
	0.000000 – 1.000000
Medium	1.0000001 – 2.000000
	2.0000001 – 3.000000
High	3.0000001 – 4.000000
	4.0000001 – 5.000000
	IP Manufacturing Facility

There are three US mills in areas of high water risk located along the U.S. Southeastern Atlantic coast including our pulp mill in New Bern, North Carolina. This mill has experienced minor water supply challenges this year which the mill is addressing. Where new sites have been identified as overlapping with sensitive locations, we will revisit and reassess our context-based approach to water stewardship in those areas.

**Advancing water stewardship**

Since forests are the source of most of the world’s freshwater, we extend our water stewardship efforts beyond our manufacturing operations. By promoting responsible forestry practices – including management, conservation, and restoration – we are actively supporting critical water resources.

Our approach to water stewardship aligns with cross-sector best practices, such as the Alliance for Water Stewardship standard. We are also part of a working group of leading companies, governments, and foundations supporting WRI’s Aqueduct Water Risk Atlas tool, where we exchange practices and research on water stewardship.

We intend to continue monitoring how our sites interface with sensitive, water-stressed locations. This assessment will inform our future water management strategies and help us respond to changing environmental conditions.

# Using ForSite® to identify sensitive locations

ForSite® is the primary tool in our responsible sourcing efforts. This innovative mapping system is used by our Fiber Supply Team to verify and track the fiber we source. ForSite® guides our responsible fiber procurement on non-certified forestland in the U.S., helping maintain high environmental standards across our entire sourcing portfolio. It follows the framework and protocol of an HCVF Assessment.

ForSite® uses geographic information system mapping technology to display and organize diverse geospatial data—critical information that our Fiber Supply Team uses to make conservation-informed decisions prior to fiber entering our supply chain. ForSite® data includes an array of environmental and spatial attributes, including:

- Rare, threatened and endangered species by NatureServe Global Conservation Status Ranks (G1/G2, S1/S2)
- Priority forest types and landscapes (e.g. bottomland hardwood)
- Forest/wildlife conservation priority areas
- Soil types, topography and hydrology
- Satellite imagery updated weekly
- Land ownership data
- Critical biodiversity areas

By pinpointing the exact location of direct fiber purchases, ForSite® helps ensure sustainable sourcing and optimizes delivery to the most cost-effective facilities.

Using ForSite® technology across our United States sourcing area, we have:

- Identified 23M acres where pre-harvest due diligence can be applied
- Facilitated on-the-ground improvements to over 35,000 acres to contribute nature positive outcomes
- Mapped every non-certified location of purchased open-market fiber
- Monitored sensitive and high-priority locations

## L4 Interface with sensitive locations

We take our interface with nature seriously and continue to invest in due diligence and monitoring processes. The ForSite® tool, which is a cornerstone of our daily operations, incorporates data layers that are used in our due diligence process for every wood fiber purchase. These layers effectively identify potentially sensitive locations, including areas of high biodiversity importance and ecosystem integrity.

ForSite® is an innovative GIS mapping system that guides our fiber procurement on non-certified forestland, maintaining high environmental standards across our entire sourcing portfolio. In contrast to a one-time assessment for disclosure purposes, this is an integral part of our ongoing operational practices that is applied on every direct fiber purchase at the forest management unit level.



# The ForSite® due diligence process

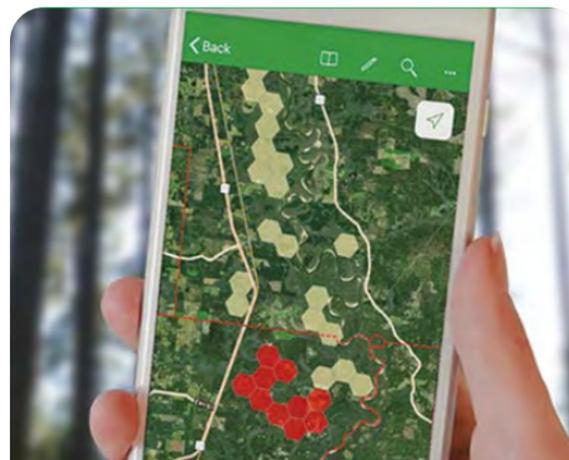


# ForSite® in action at the local level

Our ForSite® system employs a hexagonal grid network, to analyze and visualize complex environmental data across our operational landscapes. This system integrates multiple data sources to provide a comprehensive view of potential nature-related risks and opportunities, which aligns with TNFD methodology and enable us to make informed decisions that support both our business objectives and environmental stewardship goals.

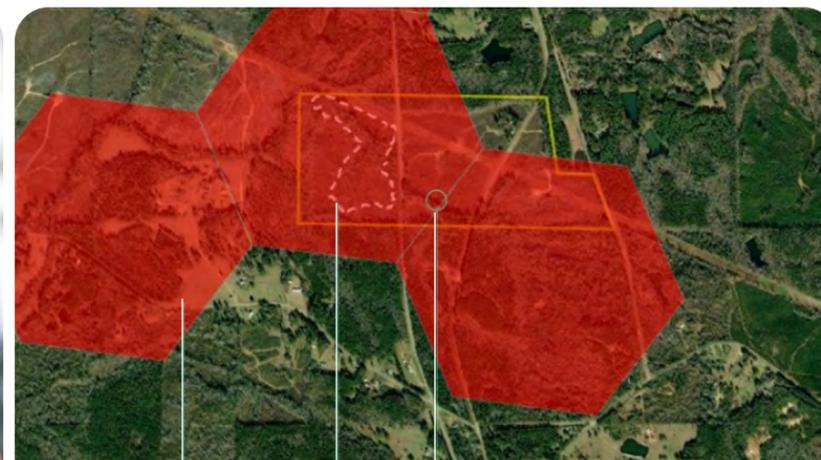
## E2 Identification of dependencies and impacts

We acknowledge the responsibility that comes with our large-scale fiber sourcing, specifically in mitigating and avoiding land degradation and advancing sustainable forest practices. As a component of our due diligence, we use ForSite® to help us take context-appropriate actions throughout our upstream value chain. By tailoring our approach to our supplier relationships, local conditions and ecosystems, we promote procurement practices that are environmentally sustainable and responsive to the unique challenges and opportunities presented by different geographical areas.



### ForSite® in Use

IP recognized that our industry needed to improve our practices to help assure consumers and customers that active forest management is sustainable. The implementation of ForSite® has changed IP's procurement strategy. We now screen every non-certified tract through ForSite® prior to purchase to determine whether additional due diligence is required before we accept timber from that tract. Our staff has access to this data both in the office and in the field.



Location of fiber purchase point

Path where we inspected the tract

Red hexagon = identified areas of environmental risk (in this case a threatened species — American burying beetle)



### Outcome

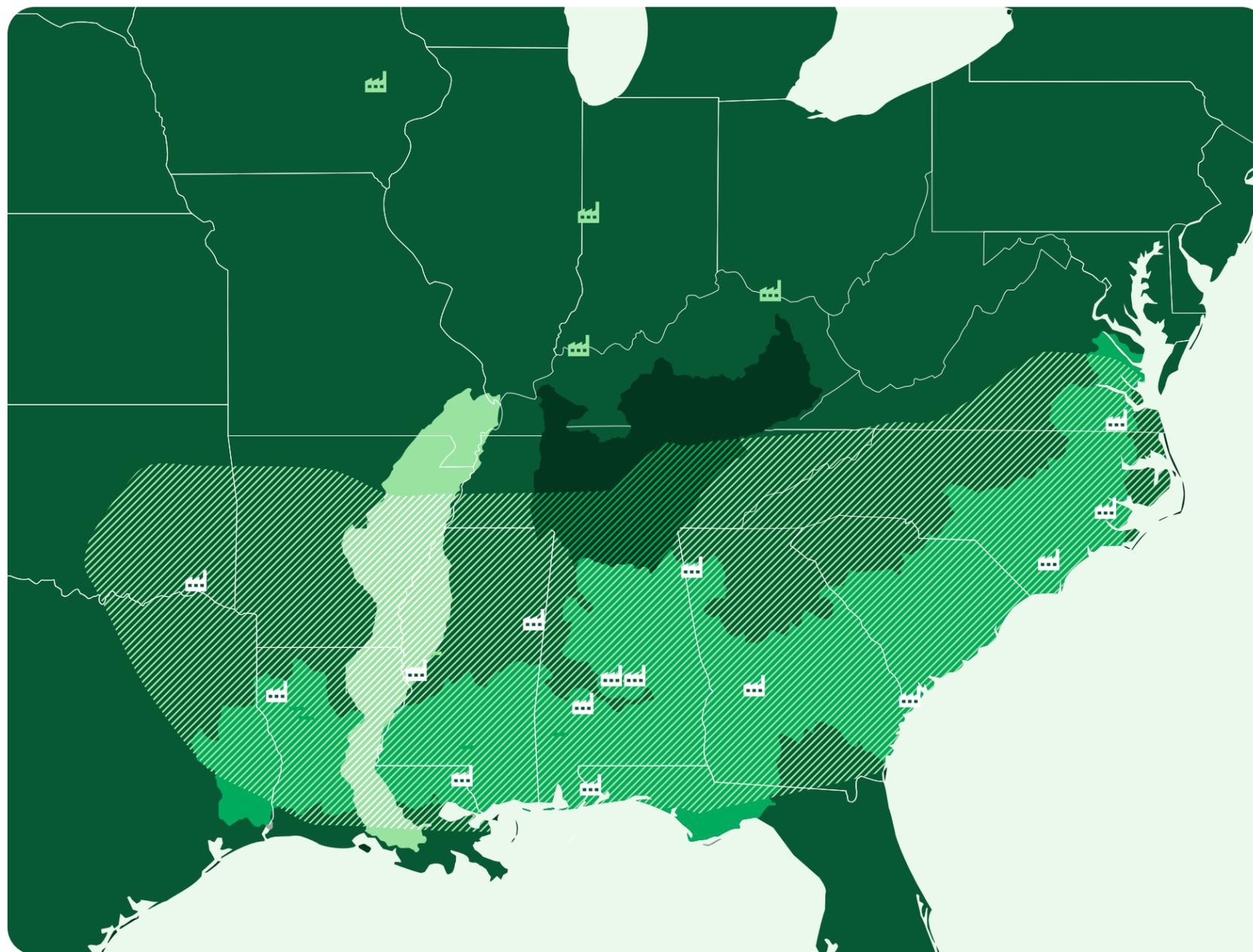
Through close collaboration with the supplier before harvest, the logger preserved residual trees, distributed coarse woody debris, and minimized ground disturbance from machinery. These actions helped maintain habitat for the federally threatened American Burying Beetle.

# Landscape-level action with conservation partners

As one of the world’s largest users of wood fiber, we amplify our positive impacts on forests through conservation and restoration activities both within and outside our own supply chains. We work collaboratively with forest conservation organizations to aid their efforts and address critical regional and global forestry issues.

Since 2013, we have collaborated with the National Fish and Wildlife Foundation (NFWF) through the Forestland Stewards Partnership, focusing on conservation projects in three priority geographies: the Lower Mississippi Alluvial Valley, the Cumberland Plateau, and the Southern Coastal Plain and Piedmont (see Figure 4 at right). These areas were chosen due to their ecological significance and alignment with our sustainability targets. The projects supported by this partnership aim to conserve land both within and outside of our value chain, helping to ensure broader environmental benefits. In 2024, our dedication to sustainable forestry through the Forestland Stewards Partnership was recognized with an American Forest & Paper Association (AF&PA) award.

Figure 4 shows how the areas of our Forestland Stewards Partnership engagement overlap with our fiber sourcing footprint.



**Figure 4:**

Our sourcing footprint and NFWF partnership engagement areas

-  Our forest fiber sourcing area
-  Lower Mississippi Alluvial Valley
-  Southern Coastal Plain and Piedmont
-  Cumberland Plateau
-  International Paper Mill sourcing forest-based fiber
-  International Paper Mill sourcing recycled fiber

# Engaging with indigenous people, local communities and affected stakeholders

We recognize that indigenous people, local communities, and affected stakeholders all play a role in protecting nature. As such, we have made it a priority to engage in meaningful discussions and partnerships with stakeholders to identify and assess our nature-related impacts. In so doing, we foster a shared sense of responsibility and help build resilient communities that are economically and environmentally connected to forests.

Within our U.S. sourcing operations, we consult with indigenous people and local communities as part of the certification process through our internal FSC® forest management group, Certified Forest Management (CFM). These consultations occur in actively managed forests across 13 states. It is important to note that the majority of forestland properties from which we source non-certified wood fiber in the Southeastern U.S. are privately owned. Additionally, we engage with local, state, and federal wildlife experts as needed to advise our due diligence process on species risk mitigation. We will continue to assess where we can engage with these communities in the future across our entire sourcing footprint.

We continually seek opportunities to [interact with these stakeholders](#) related to our sourcing.



# Governance

## Disclose the organization's governance of nature-related dependencies, impacts, risks and opportunities.

### A. Describe the board's oversight of nature-related dependencies, impacts, risks and opportunities.

In 2024, our company embarked upon a transformational journey, including the announcement of a new CEO and a comprehensive organizational restructuring.

At the operational level, our Chief Sustainability Officer leads the sustainability strategy, coordinating activities across the company to achieve our Vision 2030 targets. This strategy plays a crucial role in integrating sustainability into our day-to-day operations and long-term planning.

During 2024, we initiated a company transformation and are reconfiguring our internal governance. Through these organizational changes, our commitment to sustainability remains unwavering. Our executive leadership team and business lead teams continue to be responsible for corporate sustainability strategy and leadership, helping to ensure that our initiatives remain a top priority throughout this transition period.

#### P4 Presentation

IP has an integrated Board of Directors and executive-level governance structure that oversees sustainability topics, including nature. The IP Board of Directors (Board) has primary oversight of IP's enterprise risk management (ERM) program, which includes nature-related risks and opportunities. The Board reviews certain resiliency and nature-related dependencies, impacts, risks and opportunities when guiding corporate strategy.

Our Board of Directors also conducts periodic reviews of components of the sustainability strategy and performance and reviews material key sustainability-related developments and issues. They receive updates on sustainability issues at their briefings on identified dependencies, impacts, risks and opportunities from our Chief Sustainability Officer (CSO) and additional members of management. Two standing committees, Public Policy and Environment (PPE) and Audit and Finance, share responsibility on sustainability.

Our Board believes a broad range of backgrounds, tenures and skills enhances the quality of its deliberations and decisions, including those pertaining to nature-related issues. The skills and experiences of our Board members provide valuable perspectives on nature-related issues as they pertain to our business. For instance, the PPE committee is chaired by a climate scientist and former Administrator of the National Oceanic and Atmospheric Administration, who brings experience in natural resource conservation.

### B. Describe management's role in assessing and managing nature-related dependencies, impacts, risks and opportunities.

At the management level, ownership and governance of sustainability matters is embedded in the organization from the top down. Our CEO and Executive Leadership Team (ELT) are responsible for corporate strategy and leadership including incorporation of our sustainability goals and standards into our daily operations and long-term business strategy. Our ELT, which is comprised of leaders who oversee critical functions and business units within the Company, evaluates sustainability issues based on input from function-specific councils that report to the ELT.

Our CSO leads IP's sustainability team and has responsibility for developing our sustainability strategy. We leverage expertise and best practice guidance from trusted consultants like the National Council on Air and Stream Improvement (NCASI). We are also a member of the Forest Solutions Group (FSG), part of the World Business Council for Sustainable Development (WBCSD). We endorse their Forest Sector SDG Roadmap, are a project leader for their first-ever Forest Sector Nature-Positive Roadmap, and are FSG-TNFD working group members. At the operational level, our mill-based water experts are leading day-to-day efforts at our large manufacturing facilities to identify opportunities, implement projects and track progress on water use reduction in our operations.

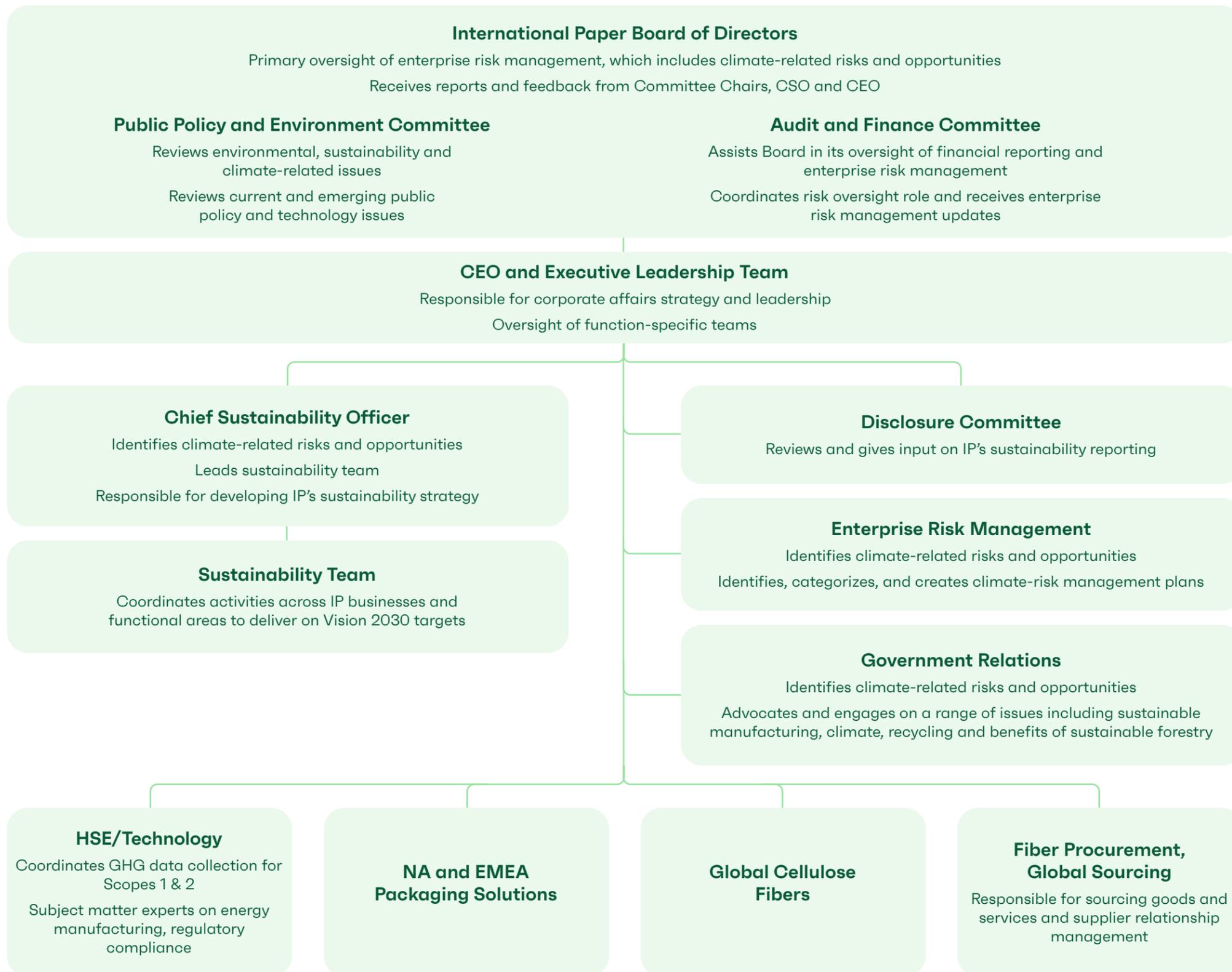
A subcommittee of the Disclosure Committee reviews and provides input on IP's sustainability reporting each year. Significant changes to reporting practices are vetted through our corporate councils and steering teams.

Our Enterprise Risk Management Council (ERM Council) is responsible for ensuring people and processes are in place to identify, assess, and mitigate risk. Management ensures those risks are included in the development of our business strategies.

The Global Sourcing Fiber Procurement team includes industry experts who are responsible for sustainably sourcing tree fiber for our mills. This team helps ensure we adhere to our Global Fiber Procurement Policy while making progress toward our Vision 2030 Healthy and Abundant Forests targets. Leveraging our conservation partnerships, this group moves IP toward nature positive outcomes in the forests within and outside of our value chain. In 2024, the Fiber Certification and Sustainability team reviewed our species and ecosystem mitigation measures within ForSite®. Using the outcomes from weekly assessments, this team presents the data to the Fiber Supply Lead Team to provide guidance on future tactics.

### Governance Structure Chart

A visual aid to understand our governance structure.



**C. Describe the organization's human rights policies and engagement activities, and oversight by the board and management, with respect to indigenous peoples, Local Communities, affected and other stakeholders, in the organization's assessment of, and response to, nature-related dependencies, impacts, risks and opportunities.**

As of 2024, our organization has not formally integrated indigenous peoples into the governance of nature-related issues. However, we maintain policies and practices that address human rights and engagement with local communities. Oversight of these policies and activities is led by our Global Chief Ethics and Compliance Officer, who oversees their implementation across our operations. Our foundational policies include a Code of Conduct, Third Party Code of Conduct, and Global Fiber Procurement Policy. These documents outline our expectations for ethical behavior, respect for human rights, and responsible sourcing practices throughout our value chain.

To further enhance transparency and collaboration, we have hosted multiple stakeholder forums through the Forestland Stewards Partnership since its inception. These events provide a platform for local stakeholders to engage directly with our organization, share outcomes from conservation programs, discuss challenges, and identify opportunities for future progress. By fostering open dialogue with communities and partners, we strengthen relationships and amplify the positive impact of our initiatives.

The most recent forum was held in 2023 and we continue to explore opportunities for future engagement.



# Strategy

## A. Describe the nature-related dependencies, impacts, risks and opportunities the organization has identified over the short, medium and long term.

In the short term, we plan to continue working toward our Vision 2030 targets, which include our fiber sourcing due diligence processes, water stewardship, and funding of conservation inside and out of our value chain. On January 31, 2025, we welcomed DS Smith into the International Paper family. It's important to note this report does not include data from DS Smith. In 2025, we plan to analyze and consolidate our sustainability data and roadmaps and develop a new framework that reflects our current and future identity. We will continue to monitor our strategy and the regulatory environment, including the potential impacts of European legislation, in the medium and long term.

## B. Describe the effect nature-related dependencies, impacts, risks and opportunities have had on the organization's business model, value chain, strategy and financial planning, as well as any transition plans or analysis in place.

Our approach to nature-related dependencies, impacts, risks and opportunities has been guided by our Vision 2030 goals. At the core of our efforts to create healthy and abundant forests is a comprehensive stewardship program that encompasses three main elements: responsible fiber procurement, forest certification, and collaboration with forest and wildlife conservation partners. Our work in this sphere has led us to forge partnerships with organizations like, American Forest Foundation's Family Forest Carbon Program.

We have also collaborated with landowners, suppliers, and strategic conservation partners. To learn more about how we collaborate with strategic partners, visit [our website](#).

We use renewable, sustainable, or recycled materials across our manufacturing process, wherever possible. This approach extends to fibers, chemicals, and packaging, reflecting our understanding of the circular economy's importance. Since fiber can only be recycled up to 25 times<sup>1</sup>, we have strategically balanced our reliance on recycled materials with sustainably procured new fiber.

Our existing strategies for risk and opportunity management, strategy and resource allocation can be found in the [Nature Positive Actions](#) table.

## C. Describe the resilience of the organization's strategy to nature-related risks and opportunities, taking into consideration different scenarios.

As we continue to evaluate the results of our double materiality assessment, we intend to utilize scenario analysis to pressure test our business for risks and opportunities.

## D. Disclose the locations of assets and/or activities in the organization's direct operations and, where possible, upstream and downstream value chain(s) that meet the criteria for priority locations.

Please see maps of our [fiber sourcing footprint](#), our [NFWF Forestland Stewards Partnership](#), and [water stress maps](#).

<sup>1</sup> Recyclability of paper and paperboard. White Paper (WP-23-03). Cary, NC: National Council for Air and Stream Improvement, Inc.

## Nature Positive Actions

### P1 Strategy and resource allocation plans

This table is mapped to TNFD’s current interpretation of the Science Based Targets Network (SBTN) AR3T framework for the forestry, pulp and paper sector.

Impact driver	Mitigation Hierarchy levers	Action	Part of the value chain
Land-use change	Transform	<p><b>Bird-Friendly Forests</b></p> <p>In 2020, International Paper (IP) and the American Bird Conservancy (ABC) formalized a multi-year partnership with the goal of integrating bird conservation and awareness into IP’s value chain. Since the partnership began, we have:</p> <ul style="list-style-type: none"> <li>Engaged more than 300 different forest landowners and land managers who own or oversee forest management across ~10 MM acres of privately owned Southern US forestland.</li> <li>Used <u>Swallow-tailed Kite</u> and Red-headed Woodpecker as ambassadors to accomplish conservation of dozens of forest bird species through research and habitat enhancements. Together with the Avian Research and Conservation Institute and the Orleans Audubon Society, we have captured, radio tagged and tracked 13 Swallow-tailed kites.</li> <li>Effectively communicated through a variety of media outlets including the bird friendly forest guide for forest landowners, ABC magazine, university publications, Forest Landowner Association Magazine, State Forestry Association publications, and numerous presentations to professional, university, customer, and landowner audiences.</li> </ul> <p>To learn more about the most recent outcomes of our work together with ABC, visit <a href="#">our website</a>.</p>	Whole value chain
	Regenerate & Restore	<p><b>Longleaf Pine Restoration</b></p> <p>Utilizing newly developed geospatial data* added to ForSite®, we identify potential longleaf pine restoration sites. Where our supply chain overlaps with these identified areas, we share information about opportunities to replant with longleaf pine seedlings. To date, we have distributed longleaf pine information to over 165 private forest landowners, demonstrating our proactive approach to restoring this priority landscape.</p> <p>* Longleaf Suitability Analysis v.1 Aug 2023 Priority Areas for Restoration</p>	Upstream
	Regenerate & Restore	<p><b>Nature Positive Practices</b></p> <p>As part of our Vision 2030 Healthy and Abundant Forests target to conserve and restore 1 million acres (400,000 hectares) of ecologically significant forestland, we helped facilitate on-the-ground improvements to over 35,000 acres where we have procured wood fiber using ForSite®. Examples of these improvements included increased retention of live and standing dead trees, enhanced stream-side management zones (SMZ), the creation of wildlife corridors, and retention of downed woody debris. These practices help protect wildlife habitat, biodiversity, water quality and can conserve connectivity between sensitive forest areas.</p>	Upstream
	Avoid, Reduce	<p><b>A robust due diligence and traceability system: ForSite®</b></p> <p>See <a href="#">pages 9–11</a> for more information. Our mapping system, ForSite®, helps us sustainably source forest products. Examples of species risk mitigation during our due diligence process in 2024 include:</p> <ul style="list-style-type: none"> <li>Tricolored bat (<i>Perimyotis subflavus</i>)—in South Carolina, pre-harvest plans were adjusted to incorporate best forest management practices for bats including leaving selected large hardwood trees for potential bat habitat, thinning areas between forest types, and ensuring the equipment operators were aware of large culverts where bats may be roosting.</li> <li>Suckermouth minnow (<i>Phenacobius mirabilis</i>)—in Louisiana, the supplier agreed to increase SMZ width beyond state recommendations to protect streams within the harvest area where the fish may live.</li> </ul>	Upstream

Continued:

Impact driver	Mitigation Hierarchy levers	Action	Part of the value chain
Water use	Transform	<p><b>Watershed Protection</b></p> <p>We support the Savannah River Clean Water Fund in partnership with The Nature Conservancy and other stakeholders to address critical water issues affecting our company, communities, and ecosystems. This initiative leverages public and private resources to facilitate better forest management practices that benefit water quality. This initiative has protected 10 miles of the basin, along with over 4,000 acres of forests across South Carolina and Georgia. These wetlands and longleaf pine forests are crucial for filtering water that flows into the Savannah River, a significant source of drinking water for the region.</p>	Processing and manufacturing
GHG emissions	Transform, Regenerate & Restore	<p><b>Nature-based Solutions</b></p> <p>IP's collaboration with American Forest Foundation (AFF) has been key through the Family Forest Carbon Program (FFCP). Developed by AFF and The Nature Conservancy (TNC), this program facilitates family forest owners' access to climate finance from carbon markets. Supported by IP, the FFCP has expanded significantly in the Central Appalachian area and is set to launch activities in the Southeastern U.S., focusing on afforestation and improved forest management practices. IP's ongoing support allows the FFCP to invest in critically important applied research to identify which forests provide the most additional carbon mitigation when they enroll in the program.</p>	Whole value chain
	Reduce	<p><b>Improving our Climate Impact</b></p> <p>See our <a href="#">2024 Sustainability Report</a> for progress against our Vision 2030 GHG emissions target.</p>	Processing and manufacturing

# Risk and impact management

## Application of materiality

We have strategically focused our efforts on the areas where our interaction with nature is most significant. Sustainable wood fiber procurement and water sourcing for our manufacturing facilities have been identified as critical points of interface, with high potential for impact on nature, as well as considerable importance to our investors, customers, and other stakeholders. These ecosystems are not only affected by our operations but are also essential to creating the products our customers rely on every day.

To ensure a comprehensive understanding of our nature-related impacts and dependencies, we have also conducted a double materiality assessment aligned with the European Sustainability Reporting Standards. This assessment expands the traditional view of materiality to include both financial and non-financial impacts. See [GRI table](#) for the complete list of material topics.



**A (i): Describe the organization's processes for identifying, assessing and prioritizing nature-related dependencies, impacts, risks and opportunities in its direct operations.**

We use WRI Aqueduct data to assess potential water risks for our water consumption at our containerboard manufacturing facilities. For more information see our CDP Water Disclosure.

**A (ii): Describe the organization's processes for identifying, assessing and prioritizing nature-related dependencies, impacts, risks and opportunities in its upstream and downstream value chain(s).**

We use ForSite® to identify potential risks within our forest sourcing in our upstream value chain, drawing on the latest data sources in our mapping data layers. This first TNFD report focuses on activities we have identified as having the most interface with nature. We will continue to assess our downstream value chain in the future.

**B: Describe the organization's processes for managing nature-related dependencies, impacts, risks and opportunities.**

IP has implemented processes for managing nature-related dependencies, impacts, risks, and opportunities, with a particular focus on our forest stewardship approach. Central to this strategy is certification, a tool for credible third-party assurance of our procurement system and part of our approach to forest stewardship.

A key component of our management process is ForSite®, our proprietary fiber sourcing system. In 2024, Preferred by Nature, an independent organization, conducted a tailored third-party evaluation of the ForSite® fiber sourcing system. The system has been verified to comply with Preferred by Nature's Due Diligence and System Requirements Standards and selected sustainability criteria from the Sustainability Framework. The scope of the evaluation criteria can be viewed on Preferred by Nature's website.

**C: Describe how processes for identifying, assessing, prioritizing and monitoring nature-related risks are integrated into and inform the organization's overall risk management processes.**

While we have completed a double materiality assessment, we are still assessing how our dependencies, impacts, risks and opportunities can be integrated into our organization's overall risk management processes.



# Metrics and targets

## Integration with other sustainability-related disclosures

The table of metrics below makes reference to the other disclosures aligned with TNFD including our [2024 Sustainability Report](#) and its [GRI and SASB Indices](#), [CDP Forests Disclosure](#), [CDP Water Disclosure](#), [ISSB Report](#), and our [Annual Report](#). We will continue to monitor ESG-related developments as they arise.

## Time Horizons Considered

This TNFD report considers three different time horizons (short term, medium term, and long term) in alignment with our application of time horizons in CDP reporting.

- Short term: 0-5 years
- Medium term: 5-10 years
- Long term: 10+ years

The metrics and targets provided in this report, including sourcing, certification, and conservation and restoration, are based on our Vision 2030 targets and measured against a 2019 baseline.

## A. Disclose the metrics used by the organization to assess and manage material nature-related risks and opportunities in line with its strategy and risk management process.

The following table shows our core disclosure indicators and metrics for nature-related risks and opportunities:

Metric no.	Category	Metric	Response	More info
C7.0	Risk	Value of assets, liabilities, revenue and expenses that are assessed as vulnerable to nature-related transition risks (total and proportion of total).	This has not yet been assessed. In the future, we intend to use the results from our double materiality assessment or any other nature-related data to analyze and disclose risks.	
C7.1		Value of assets, liabilities, revenue and expenses that are assessed as vulnerable to nature-related physical risks (total and proportion of total).	This has not yet been assessed. In the future, we intend to use the results from our double materiality assessment or any other nature-related data to analyze and disclose risks.	
C7.2		Description and value of significant fines/penalties received/litigation action in the year due to negative nature-related impacts	IP follows SEC guidance in disclosing significant environmental regulatory proceedings and litigation. Any such matters are disclosed in the company's quarterly and annual reports filed with the SEC.	
C7.3	Opportunity	Amount of capital expenditure, financing or investment deployed toward nature-related opportunities, by type of opportunity, with reference to a government or regulator green investment taxonomy or third-party industry or NGO taxonomy, where relevant.	In 2024, we reaffirmed our dedication to conserving forest ecosystems, nature and biodiversity with a \$15.3 million investment to renew strategic alliances with key conservation partners.	
C7.4		Increase and proportion of revenue from products and services producing demonstrable positive impacts on nature with a description of impacts.	Unknown	

**B. Disclose the metrics used by the organization to assess and manage dependencies and impacts on nature.**

The following table shows our core global disclosure indicators and metrics dependencies and impacts, using sector guidance where applicable:

Metric no.	Indicator	Response	More info
	GHG Emissions	Refer to ISSB's IFRS-S2 Climate related Disclosures Standard and 2024 Sustainability Report	ISSB-S2 report
C1.0	Total Spatial footprint	As a sourcing company only, International Paper does not own forestland. See <a href="#">page 5</a> for more information on our upstream value chain.	
C1.1	Extent of land/freshwater/ocean-use change	We do not purchase wood fiber from primary forests as required by our Global Fiber Procurement Policy, therefore data not reported.	
C2.0	Pollution/Pollution removal	All waste reported in SASB is reported by material destination and type of waste. We do not manage forestry activities and do not have relevant pollutant data.	GRI 306, Sustainability Report
C2.1	Wastewater discharged	See CDP water security	GRI 303-4, Sustainability Report, CDP 1.2i
C2.2	Waste generation and disposal	See 2024 SASB and GRI reporting	GRI 306, Sustainability Report
C2.3	Plastic pollution	N/A	GRI 301, CDP—plastic pollution
C2.4	Non-GHG air pollutants	See 2024 SASB and GRI reporting	GRI 305, Sustainability Report, SASB RT-CP-120a.1

Continued:

Metric no.	Indicator	Response	More info
C3.0	Water withdrawal and consumption from areas of water scarcity	See CDP water security	GRI 303, Sustainability Report SASB 140A, CDP W1.2d
C3.1	Quantity of high-risk natural commodities sourced from land/ocean/freshwater	We have a robust due diligence and traceability system that mitigates sourcing risk. See due diligence process and mapping described in the <a href="#">Locate</a> section of this report.	See locate phase map, <a href="#">page 6</a>
C4.0	Placeholder indicator: Measures against unintentional introduction of invasive alien species (IAS)	N/A	
C5.0	Placeholder indicator: Ecosystem condition	N/A	
C5.0	Placeholder indicator: Species extinction risk	N/A	

Additional disclosure indicators and metrics for nature-related dependencies and impacts include:

Metric no.	Indicator	Response	More info
A2.0	Wastewater treated, reused/recycled or avoided	See CDP Water Security	
A3.0	Total water consumption and withdrawal	See CDP Water Security	GRI 303-3, 303-5, CDP W1.2
A3.2	Water reduced, reused or recycled	See CDP Water Security	

**C. Describe the targets and goals used by the organization to manage nature-related dependencies, impacts, risks and opportunities and its performance against these.**

Our [2024 Sustainability Report](#) contains more detailed information about our latest progress toward our Vision 2030 goals, including the achievement of our Vision 2030 target to conserve and restore 1 million acres of ecologically significant forestland six years ahead of schedule. These efforts are rooted in our NFWF partnership area, which also overlaps with the areas where we source virgin fiber for our production operations.

Additional sector disclosure indicators and metrics are listed in the table to the right.

Metric no.	Metric category	Metric subcategory	Indicator	Response	More info
FPA.22.0	Response	Dependency, impact, risk and opportunity management: Value chain	Forest certification	International Paper does not own land and only procures wood fiber. See procurement volume percentage breakdown per forest certification type in our Sustainability Report.  Since 2012, CFM has enrolled and maintained FSC forest management certification for: 688,600 acres in 422 properties across 7 states.	2024 Sustainability Report
FPA.24.0	Response	Dependency, impact, risk and opportunity management: Voluntary conservation, restoration and regeneration	Forest conservation/restoration	We do not own land however we have conserved or restored 1,158,000 acres through ForSite® and our partnerships.	GRI 304-3, see map on <a href="#">page 11</a>
FPAX.1.0	Impact Driver	Climate change	Carbon sequestration	N/A. As a sourcing company only, International Paper does not own forestland.	See <a href="#">page 4</a>
FPA1.0		Land/freshwater/ocean-use change	Areas of high biodiversity value or high conservation value	Area of protected high biodiversity value or high conservation value is currently unknown. As a sourcing company only, International Paper does not own or manage forestland. See the <a href="#">Locate</a> section of this report for key biodiversity areas that have been mapped against our supply chain.	Adapted from GRI 101. See <a href="#">page 9</a> for due diligence process.
FPA.3.0		Resource use/replenishment	Area used for production of natural commodities	N/A	
FPA.3.1		Resource use/replenishment	Quantity of DCF high-risk natural commodities	See CDP Forests module	AFi, GRI 101, CGF FPC, CDP 8.7
FPA.22.1	Response	Dependency, impact, risk and opportunity management: Value chain	Non-certified wood/fiber covered by due diligence and traceability systems	54% of our non-certified fiber was verified through ForSite® with our due diligence process.	See ForSite® information, <a href="#">page 8</a>

# Conclusion

We remain committed to actively preventing nature loss and conserving biodiversity throughout our value chain. We are proud to have met our target to conserve and restore 1 million acres of ecologically significant forestland in 2024, six years ahead of schedule and before our first TNFD reporting cycle. This achievement, which is part of our Vision 2030 goal to support Healthy and Abundant forests, demonstrates our proactive approach to being responsible stewards of the environment.

As the nature-related disclosure landscape continues to evolve and new data sets, methodologies and metrics emerge, we will regularly revisit and reassess our approach. This ongoing evaluation will help ensure our nature-related risk and opportunity assessments remain robust, relevant, and aligned with leading practices as the TNFD framework continues to mature.

Looking ahead, we are actively working to refine our strategy and engage with stakeholders. In the coming years, we plan to continue to enhance our disclosure on biodiversity and related topics. We intend to focus on material issues most relevant to our operations, ensuring targeted and meaningful reporting of our progress.



This report contains certain forward-looking statements based on management's current assumptions and expectations, including statements regarding our ESG targets, goals, commitments and programs and other business plans, initiatives and objectives, including but not limited to our Vision 2030 goals. Certain statements in this report that are not historical in nature may be considered "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements can be identified by the use of forward-looking or conditional words such as "expects," "anticipates," "aspires," "believes," "estimates," "could," "should," "can," "forecast," "intend," "look," "may," "will," "remain," "confident," "commit" and "plan" or similar words and expressions. Our actual future results, including the achievement of our targets, goals or commitments, could differ materially from our projected results and commitments as the result of changes in circumstances, assumptions not being realized, or other risks, uncertainties and factors. These statements are not guarantees of future performance and reflect management's current views and speak only as to the dates the statements are made and are subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these statements. Factors which could cause actual results to differ include but are not limited to: (i) risks with respect to climate change and global, regional, and local weather conditions, as well as risks related to our ability to meet targets and goals with respect to climate change and the emission of greenhouse gases (GHG) and other environmental, social and governance matters, including our other Vision 2030 goals; (ii) the emergence and implementation of mandatory climate reporting standards and the continued development of voluntary standards and frameworks that may result in definitional or other changes, including those that may alter how our GHG emissions are calculated and reported both historically and prospectively; (iii) the impact of global and domestic economic conditions and industry conditions, including with respect to current negative macroeconomic conditions, inflationary pressures and changes in the cost or availability of raw materials, energy sources and transportation sources, supply chain shortages and disruptions, competition we face, cyclical

and changes in consumer preferences, demand and pricing for our products, and conditions impacting the credit, capital and financial markets; (iv) the costs of compliance, or the failure to comply with, existing and new environmental (including with respect to climate change and GHG emissions), tax, labor and employment, privacy, anti-bribery and anti-corruption, and other U.S. and non-U.S. governmental laws and regulations; (v) any material disruption at any of our manufacturing facilities or other adverse impact on our operations due to severe weather, natural disasters, climate change or other causes; (vi) our ability to realize expected benefits and cost savings associated with restructuring initiatives; (vii) our ability to achieve the benefits expected from, and other risks associated with, acquisitions, joint ventures, divestitures, spinoffs, capital investments and other corporate transactions, (viii) cybersecurity and information technology risks, including as a result of security breaches and cybersecurity incidents; (ix) loss contingencies and pending, threatened or future litigation, including with respect to environmental related matters; (x) our ability to attract and retain qualified personnel, particularly in light of current labor market conditions; and (xi) risks arising from conducting business internationally, domestic and global geopolitical conditions, military conflict (including the Russia/Ukraine conflict, the conflict in Israel and surrounding areas, the possible expansion of such conflicts, and the potential geopolitical and economic consequences associated therewith), changes in currency exchange rates, trade protectionist policies, downgrades in our credit ratings, and/or the credit ratings of banks issuing certain letters of credit, issued by recognized credit rating organizations. These and other factors that could cause or contribute to actual results differing materially from such forward-looking statements can be found in our annual report on Form 10-K and other reports we file with the U.S. Securities and Exchange Commission from time to time. In addition, other risks and uncertainties not presently known to the Company or that we currently believe to be immaterial could affect the accuracy of any forward-looking statements. The Company undertakes no obligation to publicly update any forward-looking statements, whether as a result of new information, future events or otherwise, unless required by law.

## Contact Us

World Headquarters  
6400 Poplar Ave  
Memphis, TN 38197  
United States of America  
[www.internationalpaper.com](http://www.internationalpaper.com)