



September 2025

Resource Panorama

Overview of **data management** tools for **natural resources and materials value creation**.

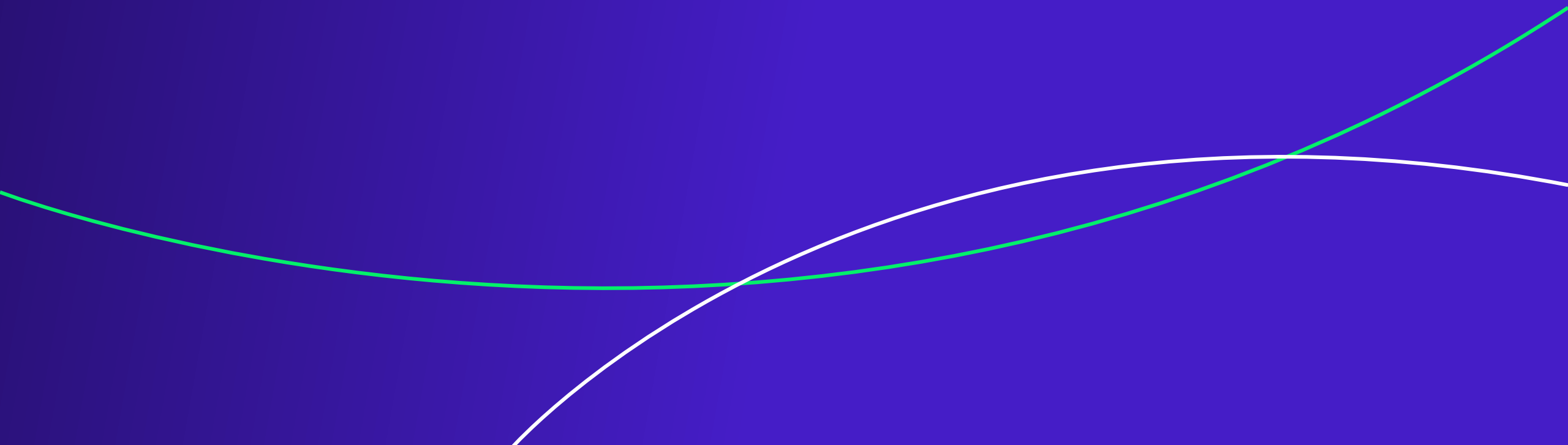
Panorama focused on CSRD environmental topics **ESRS E1 (physical risks)**, **E3 (aquatic and marine resources)**, **E4 (biodiversity and ecosystems)** and **E5 (resource use and circular economy)**.

Agenda

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01. Introduction





FOREWORD

Context:

- ❖ Increasing regulatory requirements: **CSRD***, **Green Taxonomy**, **ESG Pillar 3** and **Solvency II**
- ❖ Increasingly demanding expectations from **investors** and other stakeholders
- ❖ **The proliferation of tools to measure the impacts** and risks associated with environmental issues: general ESG reporting tools, and specialised carbon tools. These two types of tools are not included in this overview but are the subject of other Wavestone publications.

Objectives:

- ❖ Providing our clients with an **overview of the ecosystem of existing tools**
- ❖ Helping our clients navigate the range of B2B tools available for **assessing risks and/or impacts** in the areas of **climate change** (**physical risks** only, excluding carbon), **biodiversity**, **water resources** and the **circular economy**.

Our methodology

On the basis of documentary research (using Wavestone's Research & Knowledge Center and additional research) and through exchanges with tool providers, we have listed around one hundred solutions, according to 4 analytical axes responding to the analysis framework and requirements of the CSRD:



TOPICS (ESRS)

The topics covered are aligned with **4 of the 5 CSRD environmental standards** (ESRS – European Sustainability Reporting Standards).



APPROACHES

The tools can either assess the company's **impacts** on natural resources, or the **risks** associated with natural resources for companies, or both, or even focus specifically on product **traceability** from an environmental point of view.



SCOPES

These tools can be applied in a variety of ways. They can collect/provide data at the level of a **product**, a **site** (offices, factories, power plants) or a company's **value chain** (suppliers and origin of materials).



SECTORS

Each tool has been analyzed in terms of its ability to address **multi / cross-sectoral issues**, or to deal with **problems specific to certain sectors** (e.g. financial or industrial).

The results

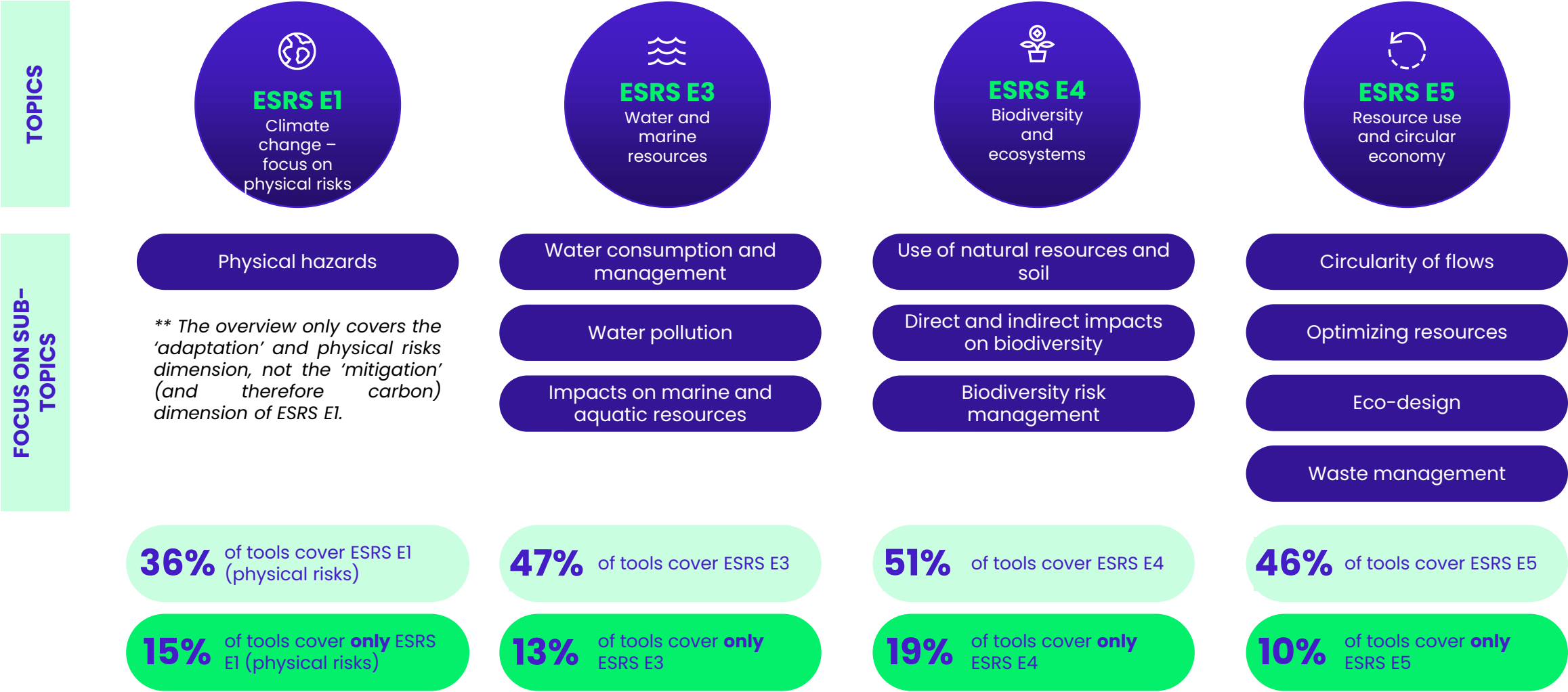
> **117**
Tools covered

> **20**
Detailed tool sheets

TOPICAL Analysis

The panorama focuses on 4 of the 5 CSRD environmental ESRS*.

The figures presented are specific to the study carried out and to the 117 tools listed within this panorama. They do not reflect the current market as a whole..



**ESRS E2, which focuses on more specific tools and a smaller market, was not explored in this edition.



APPROACH and SCOPE Analysis

Breakdown of tools listed (among the 117 studied)

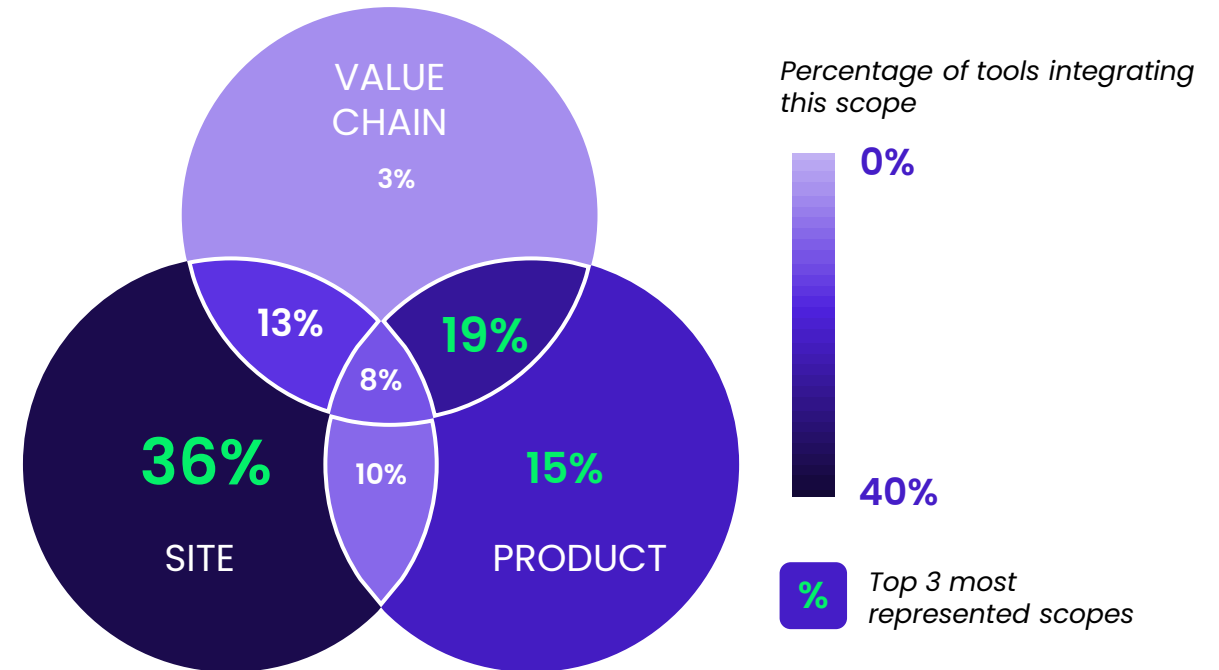
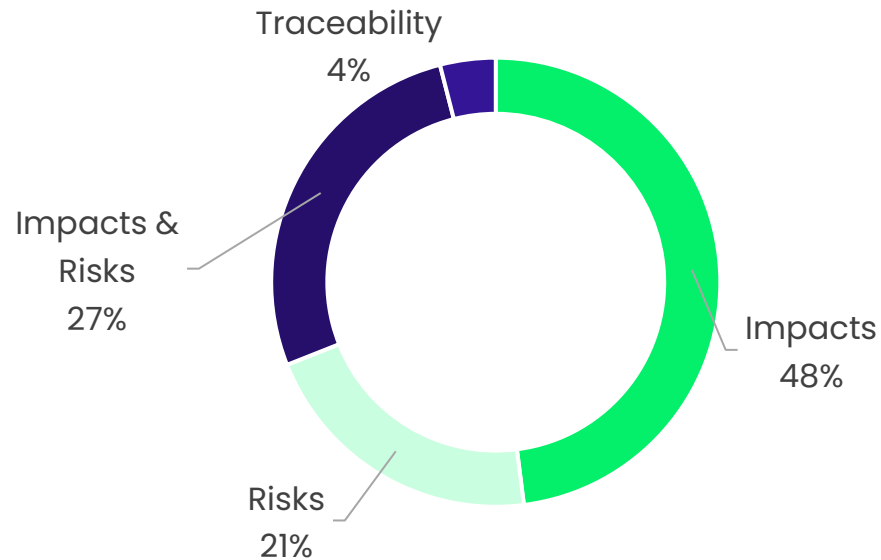
The figures presented are specific to the study carried out and to the 117 tools listed within this panorama. They do not reflect the current market as a whole.

APPROACHES

The tools can either assess the company's **impacts** on natural resources, or the **risks** associated with natural resources for companies, **or both**, or even focus specifically on product **traceability** from an environmental point of view.

SCOPES

Tools can collect / propose data at **product**, **site** (offices, factories, power plants) or **value chain** (suppliers and origin of materials) level.



SECTOR analysis

Breakdown of tools listed (among the 117 surveyed)

The figures presented are specific to the study carried out and to the 117 tools listed within this panorama. They do not reflect the current market as a whole.

SECTORS

36%

of the tools cover **all sectors of activity**



12%

of tools cover the **banking, insurance and financial services sectors** in particular



7%

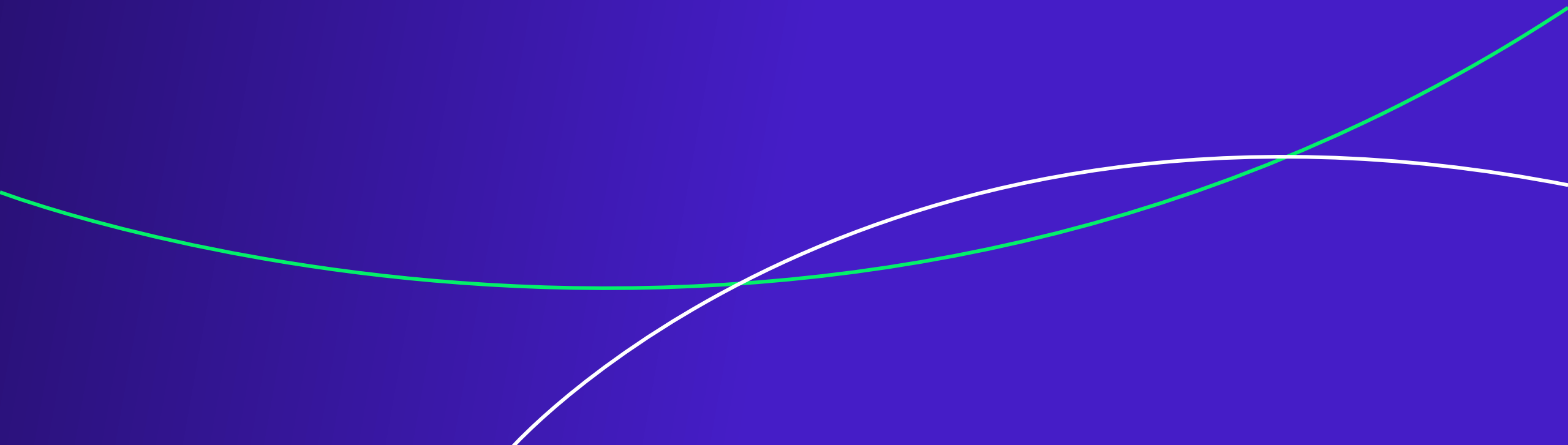
of the tools cover the **industrial and production sectors** in particular



EXAMPLES OF TOOLS EXAMINED

*Please note that this breakdown is based on available online documentation and may contain some biases

02. Presentation of the panorama





The trends identified

Proliferation of tools

Since 2015, there has been a sharp increase in the number of tools measuring impacts and risks on natural resources. This increase is directly linked to a need to strengthen companies' sustainable performance management.

Transforming tools to integrate new regulations

Faced with growing customer demand for compliance, some tools are adapting and aligning themselves with new environmental regulations such as the CSRD or ISO standards, to facilitate data reporting and commitments.

Specialized tools for dedicated sectors

Tools for measuring resource impacts and risks are increasingly choosing to specialize in a particular sector of activity (financial, industrial or agricultural sectors, for example) in order to target certain emerging needs in specific fields.

Adoption of new technologies in tools

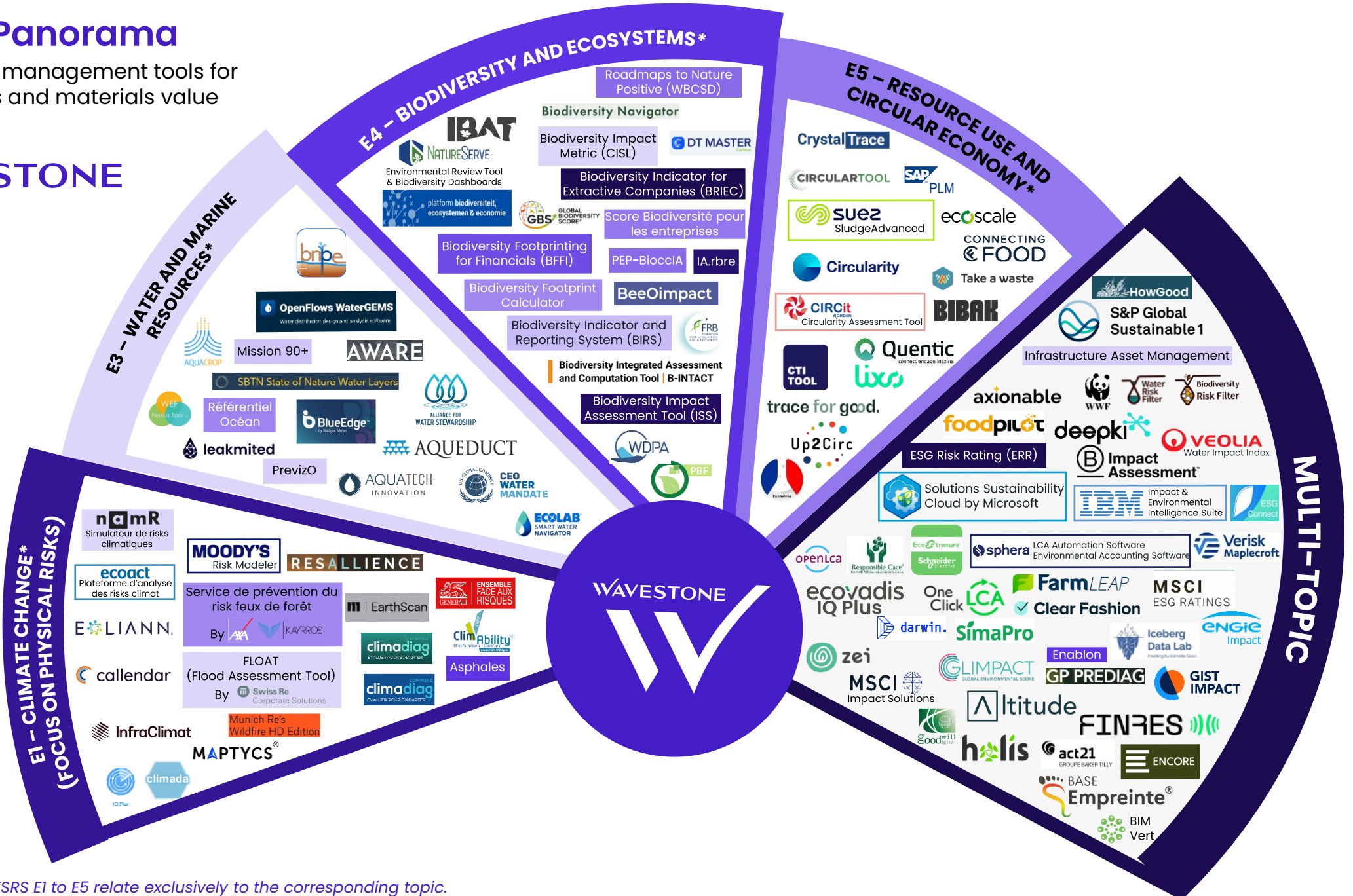
The tools employ cross-methodologies and increasingly use Artificial Intelligence to aggregate data and perform complex calculations to obtain more accurate results. Significant differences exist between tools with regards to the precision of the analyses they conduct.

Coexistence of public players, rating agencies, start-ups, IT publishers and large sector-based companies (energy, insurance, etc.) – alongside leadership and sovereignty challenges.

Resource Panorama

Overview of data management tools for natural resources and materials value creation

by **WAVESTONE**



*The tools positioned on the ESRS E1 to E5 relate exclusively to the corresponding topic.

Focus on 20 tools

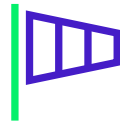
Following analysis of the 117 tools listed, 20 tools were selected for detailed fact sheets. This selection was based on the following criteria:



FUNCTIONALITIES



The selected tools represent one or more **different functionalities**: data acquisition and retrieval, data production, data calculation, data analysis..



TOPICAL SCOPE



The tools were selected to be **representative** of the panorama's **various topics**.



SECTOR COVERAGE



All sectors were covered, but particular attention was paid to the **financial and industrial sectors**.



VISIBILITY



The selected tools benefit from a certain amount of **media coverage** (press, trade shows, etc.) and have **references with companies of a similar size and in similar sectors** to those of our customers.

This selection does not represent a recommendation on the part of Wavestone but is intended to illustrate the different types of tools encountered, and to enable you to identify the **right combination of tools** to meet your needs (topic addressed, data precision, etc.). Particular attention is paid to describing the type of **methodology** used, the **certifications** obtained, the type of **data** used and the **precision** of the results.



Two main recommendations for tool selection



Building bridges with the double materiality exercise

- The choice of a tool is closely linked to the results of a **double materiality** analysis (see **CSRD** approach).
- This analysis enables us to identify the main environmental issues that need to be addressed by the company, both from a **topical** point of view (materiality of issues) and in terms of **scope** (are the impacts material to the company's own activities, and/or upstream /downstream of its value chain?)
- The results of the double materiality analysis should therefore be used **to prioritize the themes and topics to be addressed / investigated**.
- Double materiality analysis can also reveal uncertainties and a lack of precise knowledge regarding the impacts / risks and opportunities, requiring the use of tools to **validate / invalidate hypotheses and assumptions**.



Tools to suit your needs

Our wide range of tools covers a broad spectrum of sustainable performance needs:

- **Evaluating companies:** extra-financial evaluation tools based on precise environmental criteria and positioned as decision-making aids for responsible investment.
- **Controlling specific impacts:** tools for analyzing and managing impacts relating to a defined environmental dimension (biodiversity, freshwater use, etc.).
- **Rethinking products and services to preserve resources:** eco-design tools for developing more sustainable products.

The choice must also take into account your company's **ESG data governance procedures**.



Matrix of the 20 selected tools according to the panorama's 4 axes of analysis

SCOPES

★

Product

■

Site

∞

Value chain

SECTORS

○

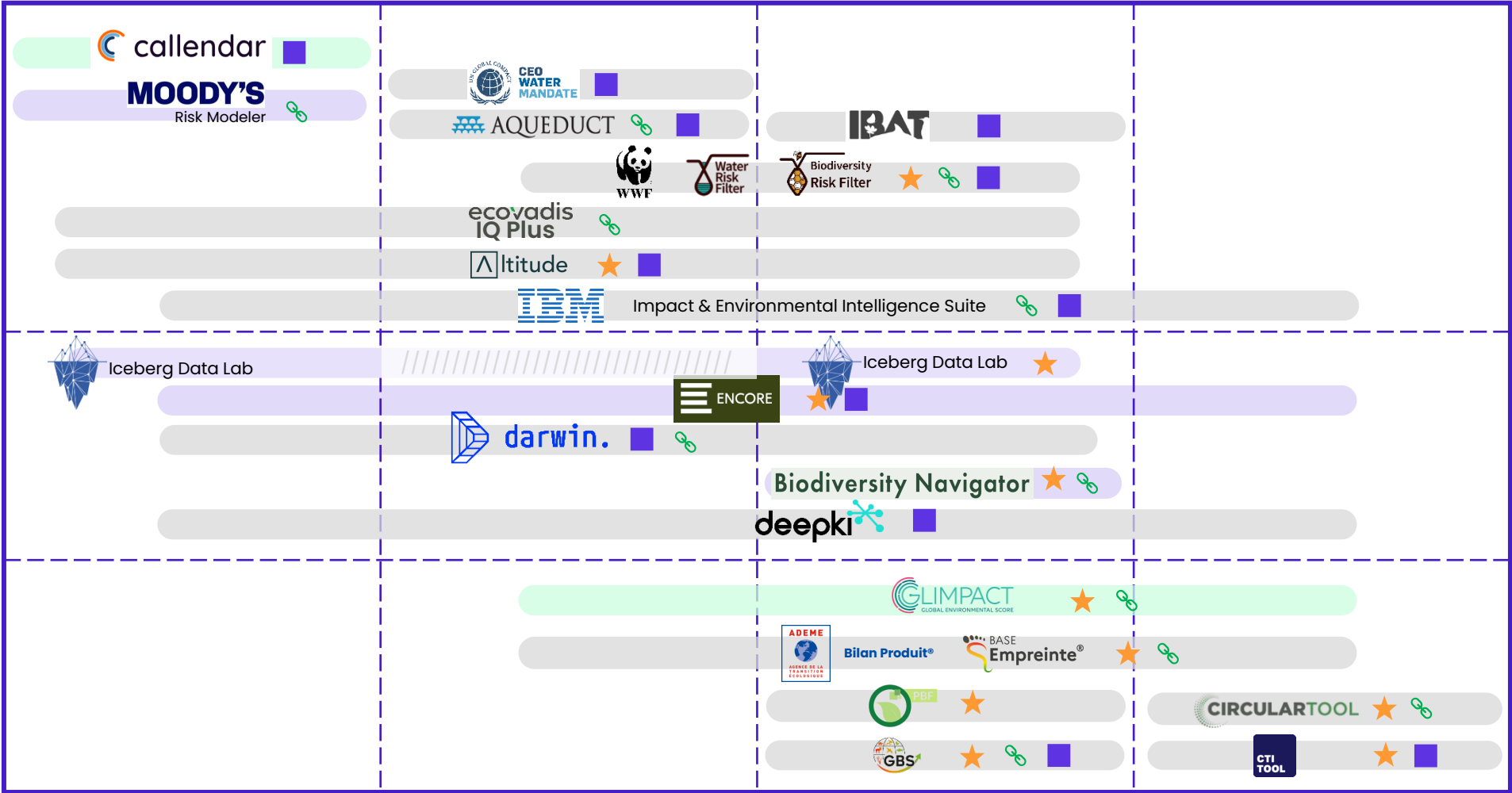
All sectors

○

Financial sector

○

Industry

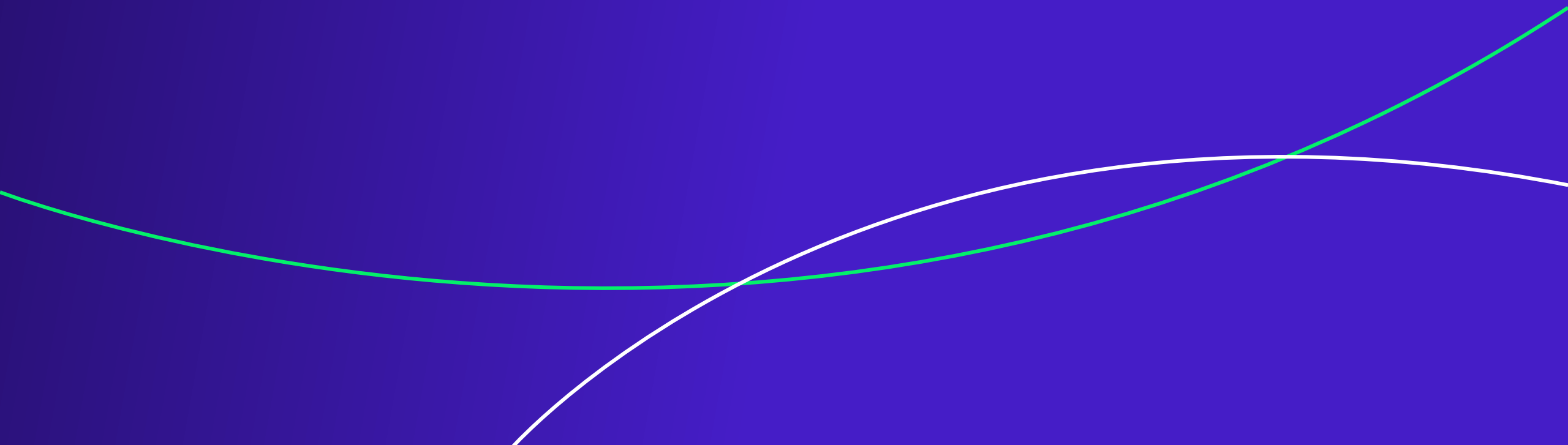


Approach

Topic



03. Tool sheets



Overview of the 20 selected tools



Bilan Produit®



Biodiversity Navigator



Sheets based on document research

Sheets based on interview

Reading a tool sheet:

Software

Mobile application

Certification/Label

Method guided by DB

DB Method

Created by **X** on
Date

💰 **Free/Paid**

Approach: **Risk / Impact / Traceability**

🌐 **Geographical Location**

🔍 **Scope**

⚖️ **ESRS covered**

☁️ **Addresses GHGs/Carbon ?**

Purpose of the tool: Brief description of the tool and its **ultimate function**.

Data



Method



Results



Altitude (Finance, Agriculture, Industry)



Software created by AXA Climate en 2024



Paid



International



ESRS E1, E3, E4

Approach: Risks



Financial product; Site



Yes

Sector: All

Purpose of the tool: ESG solution with versions tailored to different sectors (Finance, Agriculture, Industry). The **Finance** version provides infrastructure and private equity funds with risk assessment data during the due diligence and holding phases, the **Agriculture** version supports procurement and production strategies as well as resilience, and the **Industry** version enables the assessment of risks associated with companies' production sites.

Data



Data to be provided by the user (internal):

- Data on **operating or activity sites** (finance, agriculture, industry)
- **Soil types**, crop types, site locations
- Data specific to the products or assets to be evaluated

Data integrated by the platform (external):

- **Historical and prospective climate models:** CMIP6, ERA5, etc.
- **Global environmental data** (climate, biodiversity, water)
- **Risk databases by region/sector**

Method



Altitude relies on multi-scenario **modelling/simulation**:

- Data is processed using **predictive models** to simulate:
- The **impact of climate change** on crops, soil and water
- **The resilience of sites** to climatic events (flooding, drought, etc.)
- **Biodiversity pressures** in areas of implementation

The analysis engine applies assessment grids aligned with **TCFD**, **SFDR** and **CSRD** standards to generate results that can be used in **due diligence**, portfolio management or CSR strategy.

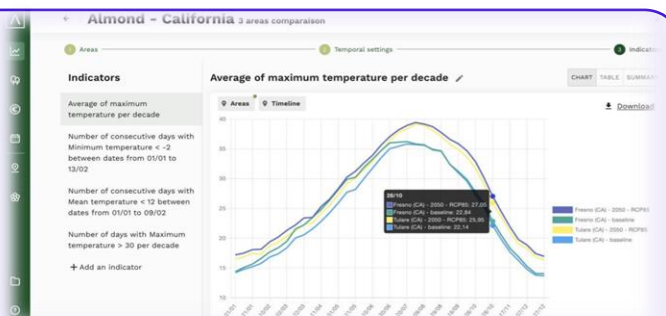
Results



What you get:

- **Climate, water and biodiversity risk scenarios**, classified by site or product
- **Exposure and vulnerability scores**
- Customized **strategic recommendations** (e.g. adapting crops, relocating assets, investing in regeneration)
- **Summary dashboards**, exportable for reporting or strategic decision-making

DASHBOARD



Visual as for the Agriculture version

Used by:



MAPPING



Visual as for the Industry version

Aqueduct (World Resources Institute)



Software created by WRI in 2011
 Free International

ESRS E3

Approach: Risks

Site; Value chain

CO2 No

Sector: All

Purpose of the tool: To assess **water-related risks**, particularly those related to water **scarcity**, water **quality** and water **management** risks.

Data



Aqueduct primarily uses **standardized external data** from public databases developed by the World Resources Institute and its partners.

Since version 4.0, users can also **import their own locations**. This feature allows them to **map and compare water risks** across multiple specific sites around the world.

Renowned for its **ease of use**.

Method



The tool applies **water stress models** on different spatial scales, based on predefined data.

It calculates current and projected **water risk scores** according to different climatic or socio-economic scenarios.

Types of risks analyzed:

Quantitative risks: water stress, water availability

Qualitative risks: pollution, water governance

Management risks: regulation, conflicts of use

The results are mapped using a **color code** (low to very high) to facilitate comparison between areas.

Results



What you get:

Interactive color-coded map of risk areas (stress, pollution, scarcity, etc.)

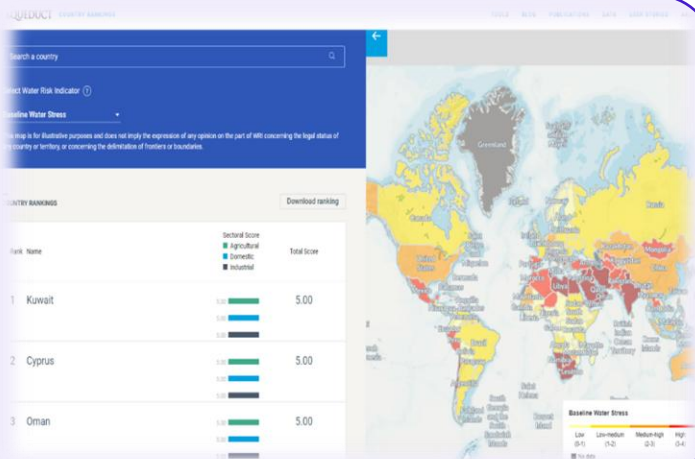
Analysis by risk type (quantity, quality, management)

Current and future outlook (projections for 2030, 2050, etc., depending on scenarios)

Aggregate **water risk score** by site or country

The interface allows users to **compare several sites** or areas, view **regional trends**, and guide strategic decisions related to sustainable water management or location selection.

VISUAL OF COUNTRY RANKINGS



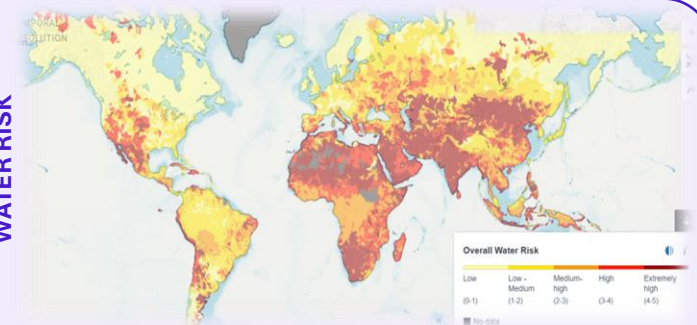
Used by:

PALMOLIVE



NISSAN
MOTOR CORPORATION

VISUAL OF GLOBAL WATER RISK





Approach: **Impacts & Risks**

Sector: **Finance**

Data



- **Basic data on economic activities:** sector, sub-sector, type of activity, location.
- No need for precise geolocation: the tool works mainly on the basis of **sector classification**.

- **Environmental databases integrated** into ENCORE: databases on ecosystems, ecosystem services, etc.

This allows for the automatic mapping of **environmental dependencies and impacts** related to each activity.

Method



- An **activity's dependence** on certain ecosystem services
- **The potential environmental impact** of this activity on ecosystems

- The **TNFD** framework
- The **global framework for biodiversity** (COP15)
- **IUCN** typologies

The tool assigns **sensitivity levels** (low to very high) according to the intensity of dependencies and impacts.

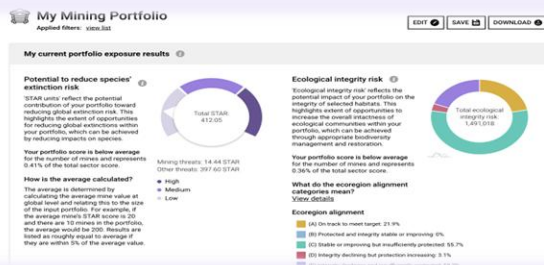
Results



- A **map of risks and dependencies on nature** by activity, sector or geographical area.
- **Sensitivity levels** (low, medium, high, very high) associated with each activity ↔ ecosystem combination.
- **Priorities for action or analysis** to initiate a Nature Positive transformation strategy.
- Data compatible with **double materiality** analyses for CSRD/ESRS E4 reporting

The tool serves primarily as a **starting point** for initiating a strategic environmental assessment

DASHBOARD



Used by:

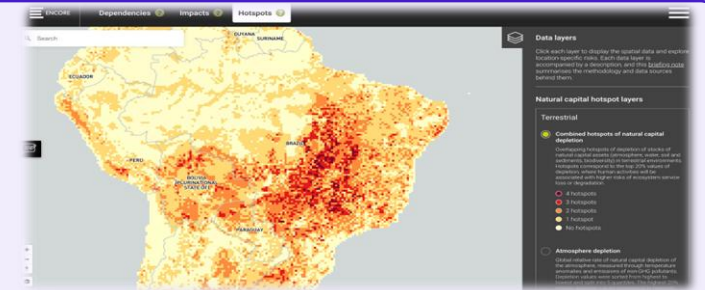


BNP PARIBAS



ROBECO

MAPPING



Bilan Produit



Software created by **l'ADEME** in **2011**

Free
National (FR)
ESRS E3, E4, E5
 Approach: **Impacts**
Product; Value chain
Yes
 Sector: **All**

Bilan Produit®

Purpose of the tool: Enables simplified **life cycle analysis** to assess the environmental footprint of a product, process or service, thereby identifying **opportunities for eco-design**. Based on the **ADEME Footprint Database**.

Data



Internal data: inputs/outputs of the product or service under study (raw materials, energy consumption, transport, lifespan, end of life, etc.)

Integrated external data: via the ADEME **Footprint Database**, containing emission and impact factors by flow or process

The tool adapts according to the **accuracy or availability** of data (full or simplified LCA).

The result depends heavily on the **quality and completeness** of the data provided.

Method



The tool applies a **simplified LCA (type LCA-A)** based on **ISO 14040/14044** standards.

Impacts are assessed **throughout the product's life cycle**: extraction, manufacturing, use, end of life.

Indicators analyzed:

- Greenhouse gases (GWP in CO₂ equivalent)
- Eutrophication
- Acidification
- Resource use (fossil fuels, nuclear, metals, minerals)
- Land use, ozone, radiation, etc.

The results are broken down by **contribution** (materials, transport, use, etc.), which helps to identify **eco-design levers**.

Results



What you get:

- An **environmental profile of the product** based on several indicators (multi-impact)
- A **visualization of contributions** by stage or flow
- **Support** for:
 - eco-design
 - choosing between several variants
 - environmental communication (e.g. FDES, labelling)
- **Summary sheet** in PDF or Excel format

Used by:

DECATHLON

Carrefour



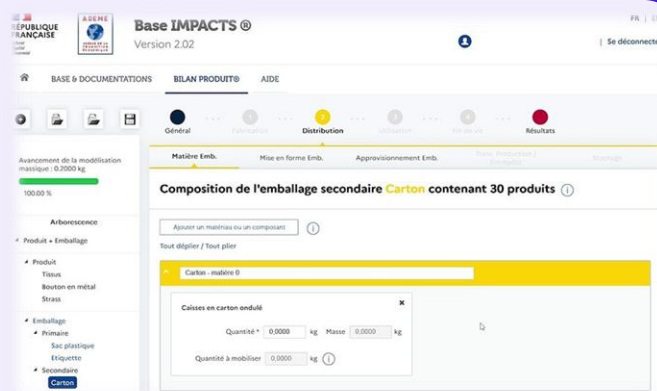
L'ORÉAL



LA POSTE

VEOLIA

VISUEL DU DASHBOARD



Circular Tool



Software created by **MATREC** in **2022**



Paid



International



ESRS 5 – Eco-Conception

Approach: **Impacts**



Product; Value chain



No

Sector: **All**

Purpose of the tool: Assess the environmental circularity of a product from the design stage onwards, analyzing criteria such as **recyclability**, **repairability** and **recycled content**. It helps companies identify more **sustainable material alternatives** and produce a circularity score in line with the ISO 59040 standard.

Data



Internal company data:

- Characteristics of the **materials** used in product design.
- **Life cycle data**.
- **Resources** consumed during production.

Integrated external data:

The tool is based on a fixed database comprising public data, open data and sector trends. This data **cannot be customized**.

Method



The tool applies a **product circularity assessment** through a set of **environmental KPIs**. It takes into account:

- The **reusability** of materials
- Their **repairability**
- Their **recyclability**
- **Circular end-of-life** possibilities (e.g. recovery vs disposal)

The whole is structured around the **ISO 59040 standard** and the **ESPR** (Ecodesign for Sustainable Products Regulation).

Results



What the user gets:

- An overall **circularity score** out of 100 for each product analyzed.
- **Detailed performance indicators** (e.g. % of recycled material, reuse potential, etc.).
- A **sector comparison** (benchmark with sector averages)
- **Identified eco-design levers** to optimize material choices and product design

The result can be exported and used in eco-design strategies, CSR initiatives, and **ESRS E5 (Eco-design)** reporting.

Measuring circularity: the correct choice of KPIs

The choice of KPIs is functional to approach and the products and services being measured.

PRODUCT MATRIX

40 KPI		25 product categories																	
		Chair	Shoe	Bag	Washing machine	Refrigerator	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine	Washing machine
KPI - 1		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KPI - 2		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KPI - 3		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KPI - 4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KPI - 5		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KPI - 6		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KPI ...		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Used by:



PRODUCT SCORE



Indicatori di performance
78,2/100

Dato medio di settore
75,3/100

CIRCULARITA' MATERICA
93,6%

Climate Vision



Software created by **Callendar** in **2019**

💰 **Paid** (Free version available)

🌐 **International**



ESRS E1

Approach: **Risks**



Site (infrastructure projects)



No

Sector: **Industrial**

Purpose of the tool: Callendar is a **French start-up** specializing in **climate risk assessment**. Its aim is to help businesses, public bodies and individuals **adapt** by developing effective and accessible tools to **anticipate the effects of climate change** at a local level.

Data



Data to be provided by the user (internal):

- **Location of the site** (e.g. industrial site, residential, infrastructure)
- **Type of project or use** (real estate, banking, insurance, industrial, etc.)
- **Desired climate scenarios** (e.g. RCP 4.5, RCP 8.5)
- Environmental variables to be analyzed (temperature, precipitation, etc.)

External data:

- **Local climate data** from databases such as ERA5-Land, Copernicus, etc.
- **Satellite and geographical data** (IGN, shapefiles for regional boundaries)
- **Recognized scientific benchmarks** for emissions scenarios and climate models

Method



The methodology is based on:

- **Risk analysis using Climate Vision**, an engine developed by Callendar that translates **climate projections** into local design assumptions

These elements are in line with:

- **ISO** standards
- European **EN** standards

All indicators are based on the most recent scenarios and projections from the **IPCC's** 6th Assessment Report.

Results



What users get:

- **Interactive maps**
- **Graphs and visual indicators** (e.g. frequency of heatwaves, local warming rates, flood or fire risks)
- **Summary reports** (risk analysis, methodology applied, vulnerability scores or indicators, etc.)
- **API modules** for integrating results into internal systems

Used by:



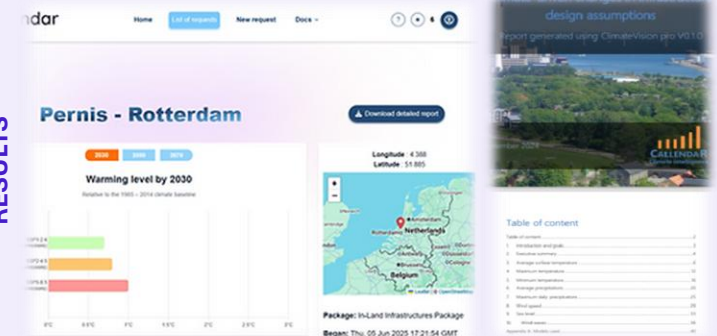
DASHBOARD

Browse Requests

Refresh Add new request

Name / Request ID	Submission Date	End Date	Status
Moz Request ID: 1	Wed, 26 Feb 2025 13:31:01 GMT	Wed, 26 Feb 2025 14:08:31 GMT	Completed
MARZA Request ID: 2	Wed, 26 Feb 2025 13:32:05 GMT	Wed, 26 Feb 2025 14:08:31 GMT	Completed
LNG Request ID: 3	Wed, 26 Feb 2025 13:32:37 GMT	Wed, 26 Feb 2025 14:08:31 GMT	Completed

RESULTS



Software created by Deepki in 2014



Paid



International



ESRS E1 ; E3 ; E4; E5 Waste Management Approach: Impacts & Risks



Site



Yes

Sector: All

Purpose of the tool: Offers a comprehensive solution for **property portfolio management**. This solution leverages data to support clients in their sustainable transition. Deepki handles data **collection**, reporting, ESG (Environmental, Social and Governance) **strategy development**, and the implementation of impact and risk mitigation roadmaps.

Data



Data to be provided by the user:

- **Utility bills** (electricity, gas, water) for buildings or sites
- **Data on consumption, equipment**, and sometimes building usage
- **Location** information and **ESG profile** of real estate assets

Integrated external data:

- **Emission factors** by location (used to calculate GHG emissions)
- **Physical and biodiversity risk information** by location
- Public reference data for cross-referencing and mapping
- The tool can work with **estimated data** if actual data is not available

Method



- **Automated or semi-automated data collection** via API or manual submission
- **AI processing** to standardize, aggregate and complete missing data
- Application of **ESG benchmarks** to compare the performance of the analyzed real estate portfolio
- Modelling of **impact mitigation** scenarios by asset type: calculation of current impacts and simulation of potential savings based on typical actions (renovation, efficiency, etc.)

Results



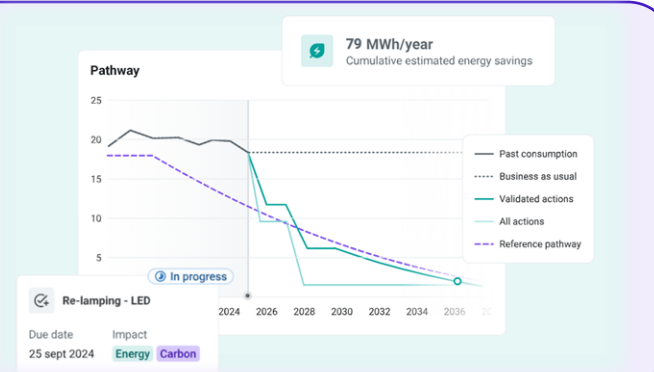
What you get:

- **ESG scores** at the building, site or property portfolio level
- **ESG compliance reports** (SRI, GRESB, ISO, etc.)
- **Recommendations for action** (investment priorities)
- **Assessment and mapping of risks and resource use**, with trend curves, including site physical and biodiversity risks
- Access to an **interactive platform** to view all results by risk type or site

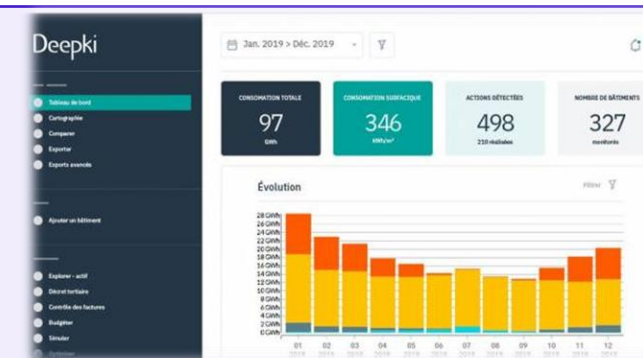
Used by:



PRODUCT ANALYSIS



DASHBOARD



WWF Risk Filter Suite (Biodiversity and Water Risk Filters)

Software created by WWF in 2023

Free

International



ESRS E3, E4

Approach: Risk



Financial product; Site; Value chain



No

Sector: All



Purpose of the tool: Map and prioritize the environmental risks to which physical sites are exposed. Two complementary modules: the **Biodiversity Risk Filter**, which assesses pressures on local ecosystems, and the **Water Risk Filter**, which analyses water-related risks. It helps guide prevention and adaptation actions.

Data



The user must enter (or import into Excel/CSV/API) the following data:

- **Geographical location** of their sites (coordinates or country/region)
- **Industrial classification** (e.g. NACE code or sector of activity)
- **Economic or strategic importance** of the site (size, turnover, weight in the value chain, etc.)

This data is cross-referenced with **external WWF databases** (hydrological data, ecosystems, climate vulnerability, etc.) to enable automated analysis.

Method



The tool is based on a **multi-criteria spatial analysis**:

- It cross-references each site entered with **global** environmental and social data layers (more than 30 indicators according to WWF).
- It calculates a **risk level** for different aspects:
 - For the **biodiversity** module: proximity to critical habitats, local pressures (pollution, fragmentation, etc.), conservation status, etc.
 - For the **water** module: water stress, pollution, access to water, regulation, climate, etc.
- It applies a **rating** system that allows:
 - Sites to be classified according to their **level of risk** (low, medium, high, very high)
 - **Actions to be prioritized** on the most exposed sites

The analysis is compatible with TNFD, TCFD, SBTN, ISSB, etc. frameworks and can be used for **double materiality** or **climate adaptation scenarios**.

Used by:

TESCO

H&M

ACCOR

Results



What you get:

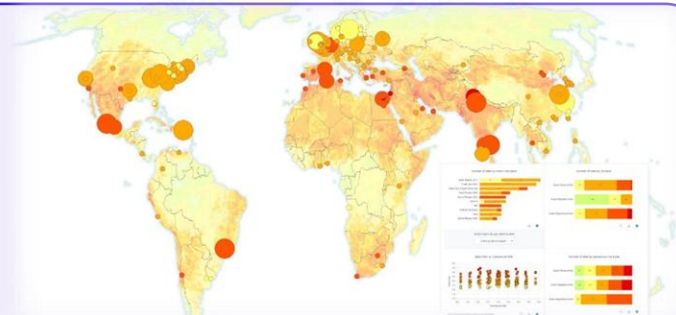
- An **interactive dashboard** by site or portfolio:
 - Maps of risk areas (biodiversity or water)
 - Aggregate or detailed risk scores by pressure
 - Filters by country, site, sector, risk type
- Personalized **recommendations for action** for each site (risk reduction, local actions, partnerships, etc.)
- **PDF or Excel export** of results for integration into CSRD/ESRS or TNFD reporting

VISUAL OF DASHBOARD



Visual for the water risk filter

FINAL VISUAL



Visual for the water risk filter



Global Biodiversity Score® (GBS)

Software created by Caisse des dépôts biodiversité in 2020

Free version available

International



ESRS E4

Approach: Impacts



Financial Product; Site; Value chain



No

Sector: All

Purpose of the tool: The GBS offers a score that enables companies and financial institutions to measure their biodiversity footprint. The impact is expressed in MSA.km2, a unit of measurement used to describe the integrity of ecosystems and the area impacted by the client's economic activities.

Data



Data to be provided by the user (internal):

- Economic data by industry and by country
- Emissions and consumption data (water, GHG, etc.)
- Purpose-specific questionnaires

External data:

- The tool uses databases such as EXIOBASE and models such as the Global Biodiversity Model (GLOBIO).

Method



The methodology is based on:

- Quantification and calculation of the contribution of economic activity to pressures on biodiversity.
- Analysis of the impact of these pressures on biodiversity (MSA.km2).

These elements are organized in an activity/nature matrix, aligned with:

- The TNFD framework
- The CSRD framework
- The SBTN framework

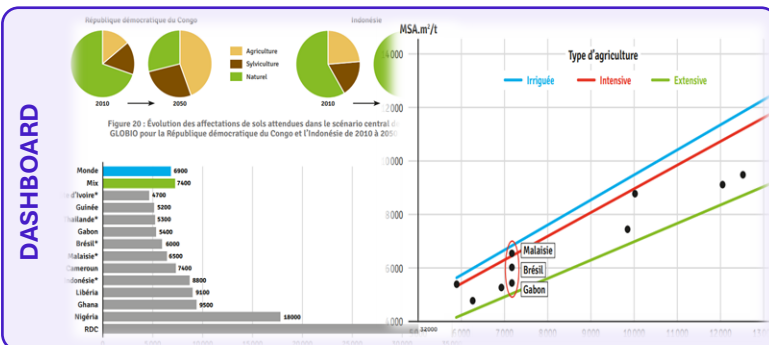
Results



What users get:

- A map of biodiversity impacts and dependencies by activity, sector or geographical area
- Quantified results expressed in MSA.km² (Mean Species Abundance), which measure ecosystem integrity* (from 0% to 100%) and enable the visualization of pressures on nature
- Priorities for action to reduce negative impacts and reinforce positive effects on biodiversity throughout the value chain

* Corresponds to the level of biodiversity conservation in a given ecosystem.

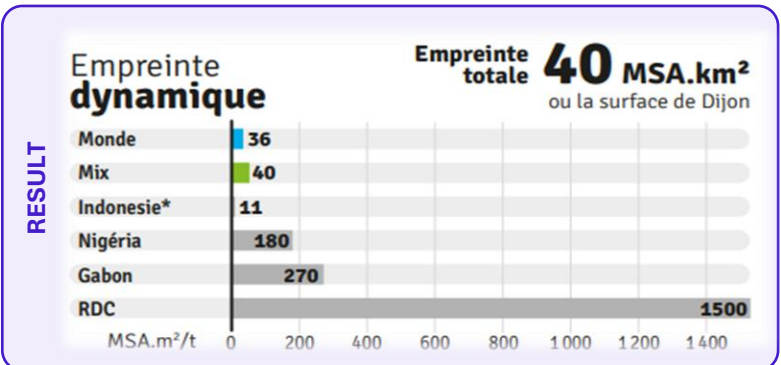


Used by:



BNP PARIBAS
ASSET MANAGEMENT

asn bank



Software created by Glimpact in 2017

 Paid
  International
  **ESRS E3, E4, E5***
 Approach: **Impacts**
 **Product; Value chain**
 **Yes**
 Sector: **Industrial**

Purpose of the tool: Glimpact is an environmental analysis tool that **assesses the actual impact of products, services or organizations** on the environment in relation to the **16 categories of environmental impact** defined by the European Commission.

Data



Data to be provided by the user (internal):

- Company/product-specific data
- **Supplier** data: Several **options for collecting** this data: directly on the platform, via questionnaires, the traceability module or via API.

External data:

The tool cross-references the data with **sectoral repositories** (PEFCR) and a secondary database consisting of the European Commission's database (Life Cycle Data Network), supplemented by specific data from other databases (ecoinvent, agribalyse, agri-footprint, etc.) when necessary.

Method



The methodology is based on:

The methodological framework of **PEF/OEF methods**, defined by the **European Commission** (taking into account the various components of the environmental crisis (16 categories of environmental impact covered).

These elements are in line with:

- The **CSR** framework
- The **GHG** protocol

Results



Users obtain data according to four types of applications:

- **Environmental footprint of products and life cycle analysis and impacts during the cycle** (overall score in μPt per functional unit or entity), comparison with other similar products
- **Eco-design module** and product improvement proposals (scenarios)
- **Traceability and data collection module** (supplier questionnaires)
- **Reporting module**, with a customizable and dynamic dashboard to view product developments and their impacts

Used by:



DASHBOARD



RESULT
ACV



* E5 focused on the optimization of resources and eco-design

Iceberg Data Lab

Software created by **Iceberg Data Lab** in **2019**

 **Paid**
 **International**

 **ESRS E1, E4**
 Approach: **Impacts & Risks**
 **Financial product**
 **No**
 Sector: **Finance**

Purpose of the tool: Tool for **calculating and measuring the environmental impact of financial institutions and their portfolios**. Faced with a lack of ESG analysis in the financial sector, Iceberg Data Lab was founded to define the impacts and risks on the **climate** and the **environment**.

Data



Data to be provided by the user (internal):

- **Financial** data
- **Geographical** data

External data:

- The tool cross-references the data with a **database** built using **sector benchmarks** and the development of portfolio **emission factors** and **environmental pressures** (gas, water, etc.).

Plug-in option for internal programs for greater integration.

Method



The methodology is based on:

The creation of an **AI model** to **aggregate** and **analyze data provided by customers** (top-down: use of financial data to establish impact).

These elements are in line with:

- The **CSRD** framework: the AI is trained to follow the CSRD recommendations (compliance through an assessment score from 0 to 100)

Option to evolve towards greater compliance

Results



Users obtain data in three categories:

Biodiversity: identification of the biodiversity footprint, calculation of the ecosystem dependency rate, calculation of the positive contribution and avoided harm.

Climate: calculation of the carbon footprint, identification of physical and environmental risks.

Regulations: compliance with applicable regulations (environment, industrial standards, etc.).

DASHBOARD

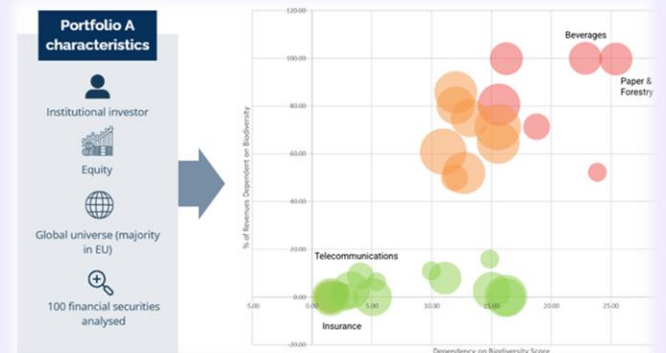
Comparison of companies within automobile manufacturers sub-industry on their potential negative impact on biodiversity in hypothetical portfolio



Used by:



RESULT Risk Matrix





IBM Impact & Environmental Intelligence Suite

Software created by IBM in 1990



International

Free trial and subscription by quote



ESRS E1,E3,E4, E5* Approach: Impacts & Risks



Site; Value chain



No

Sector: All

Purpose of the tool: IBM helps organizations anticipate and manage climate risks, track their carbon emissions (Scopes 1 to 3), and integrate real-time geospatial and meteorological data to strengthen their environmental and operational resilience.

Data



Data to be provided by the user (internal):

- Locations and uses of sites

External data:

- The tool uses external databases including geospatial, meteorological, and industrial information.

Method



The methodology is based on:

- Artificial intelligence
- Predictive modelling

It is a specific methodology using AI to analyze data in real time, detect climate anomalies and predict impacts on operations.

These elements are aligned with:

- The TCFD framework
- The CSRD framework
- The GHG Protocol

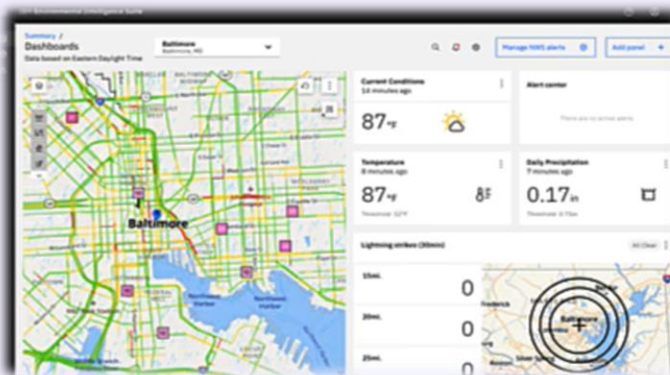
Results



What users get:

- Mapping of climate and environmental risks to infrastructure
- Automatic alerts on weather and climate conditions in real time, enabling disruption to be anticipated
- Assessment of specific risks for each site, taking into account potential climate impacts (flooding, fires, etc.)
- Monitoring of climate performance and carbon emissions for sites

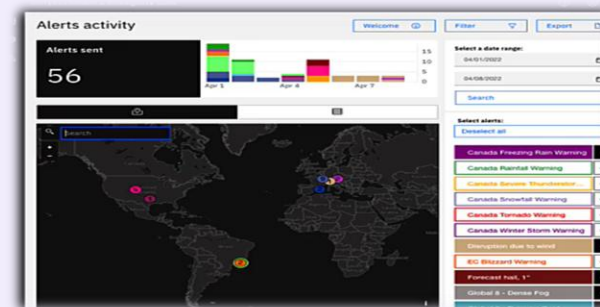
DASHBOARD



Used by:



CLIMATE ALERTS



* E5 focused on the circularity of flows, resource optimization and waste management

Software created by EcoVadis in 2007



Paid



International



ESRS E1, E4, E5*

Approach: Risks



Value chain



No

Sector: All

Purpose of the tool: CSR risk management solution designed to map, monitor and mitigate these risks in supply chains, while meeting regulatory requirements.

Data

**Data to be provided by the user (internal):**

- **Purchase data** (volumes, suppliers, location)
- **Supplier information:** supplier expenditure and criticality (additional module: simplified “Vitals” questionnaire to obtain supplier input)
- **Internal documents** (codes of conduct, CSR policies, etc.)

External data:

- **Global database** on CSR performance and risks (more than 250,000 assessments)
- **Verified CSR documents** (ISO certifications, sustainability reports, etc.)
- **Real-time news sources** (more than 100,000 sources scanned)
- **Sector and country benchmarks** for specific risks

Method



The methodology is based on:

A risk analysis based on a questionnaire and optimized by **AI** to provide a robust risk classification across the entire supply base, all without contacting suppliers.

These elements are in line with:

- The **CSRD** framework
- **European directives**
- The French **duty of vigilance law**
- The German **IkSG** law

Results

**The user obtains:**

- **Interactive maps** of CSR risks by country, sector or supplier across the entire supply chain, based on four themes: environment, social & human rights, ethics, purchasing, and 21 sub-themes.
- **Detailed risk profiles** for each supplier.
- **Dynamic dashboards** to track improvements and actions.
- **Exportable reports** to meet regulatory reporting requirements.

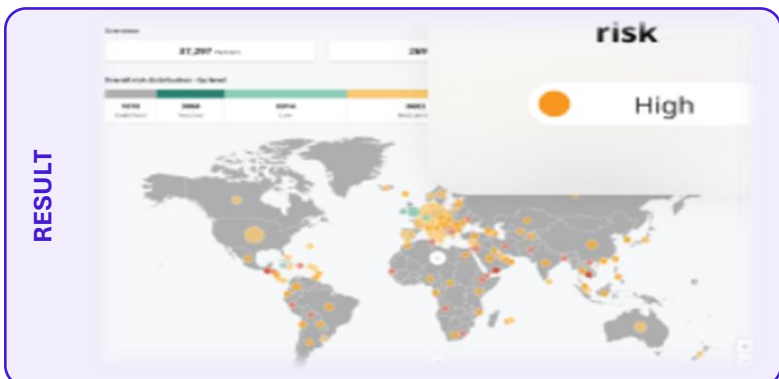
Used by:

AIRFRANCE KLM
GROUP

Johnson & Johnson

ING

L'ORÉAL®



* E5 focused on resource optimization and waste management

MOODY'S Risk Modeler 2.0

MOODY'S

Software created by **MOODY'S** in 2021

💰 Paid

🌐 International

⚖️ **ESRS E1**

Approach: **Risks**

🏠 **Value chain**

CO2 **Yes**

Sector: **Finance**

Purpose of the tool: Moody's offers a **cloud-based platform** that enables comprehensive **risk modelling** across **regions and hazards**, helping companies better **understand and anticipate** environmental and climate **risks** to their operations.

Data



Data to be provided by the user (internal):

- The **portfolio of accounts to be analyzed**
- **Account data** (location, specific characteristics of the areas studied, insurance policy, etc.)

External data:

- The tool uses a **database via AI and the cloud**. Data is shared and exchanged across the value chain according to risk models pre-developed by Moody's.

Method



The methodology is based on:

- **Risk analysis** based on **IPCC** data, with exposure and **financial impact of risks** validated by Moody's partners in the insurance sector.

These elements are in line with:

- The **RDOS** (Risk Data Open Standard) developed by Moody's and insurance industry players, in conjunction with **North American environmental standards**.

Results



What users get:

- **Advanced modelling** of natural disaster risks and threats to sites, enabling proactive risk management.
- **Forecast scenarios** based on climate, health and geographical data to anticipate future impacts.
- **Physical risk indicators** (climate, health, natural disasters) with detailed maps for clear visualization.

Used by:



DASHBOARD

Risk Modeler Databases

Search by Name	Name	Size	Schema Version	Data Version	Owner	Status	Portfolios	Accounts
All Data	DCM_August_EDM	273 MB	23	21.0.0	derek.neal@moody.com	READY	12	10,301
Databases	DCM_February2024_EDM	84 MB	23	21.0.0	derek.neal@moody.com	READY	2	17
Results	Fathom_OED	84 MB	23	21.0.0	kirtan.dave@rms.com	READY	2	2
Profiles	Fathom_OED_Import_20240103	84 MB	23	21.0.0	derek.neal@moody.com	READY	1	1
	Integration_Test_2024	84 MB	23	21.0.0	manish.pakar@rms.com	READY	1	1
	Integration_Test_19EQ	84 MB	23	21.0.0	manish.pakar@rms.com	READY	1	1
	ITTestfor36A2412	84 MB	23	21.0.0	manish.pakar@rms.com	READY	2	1
	36A_OED115_20240103	84 MB	23	21.0.0	derek.neal@moody.com	READY	4	41
	RAA_2024_Demo_EDM	84 MB	23	21.0.0	derek.neal@moody.com	READY	2	17

RESULT



Product Biodiversity Footprint (PBF)



Method created by **Quantis International** in **2015**

Free with paid functionalities

International



ESRS E4

Approach: **Impacts**



Product



No

Sector: **All**

Purpose of the tool: The **PBF** enables companies to **assess the impact of their products on biodiversity throughout their life cycle**, expressed in **MSA.km²**, a unit of measurement that describes the integrity of ecosystems and the area impacted by the customer's economic activities.

Data



Data to be provided by the user (internal):

- **Local data specific to the product life cycle** (materials used, manufacturing, use, end of life, etc.)
- **Local geographical data on the product** (country by stage of the cycle, sensitive areas, etc.)
- **Quantitative environmental data** (energy, water, etc.) and **economic data** (monetary value of the product)

External data:

- The tool uses biodiversity databases such as **IUCN**, **Predicts**, etc., to refine assessments.

Method



The methodology is based on:

- **A life cycle assessment (LCA) approach**, taking into account the impacts on biodiversity at each stage of production

These elements are analyzed in accordance with:

- **ISO 14040**
- **ISO 14044**

Results



What users get:

- **Impact mapping** to better visualize the footprint of products on biodiversity.
- **Biodiversity indicators** including **quantitative indicators** (such as potential species extinction per product or per region) and **qualitative indicators**, including scores on the five pressures on biodiversity.
- An **assessment** of the **impacts of practices and materials** at the local level.

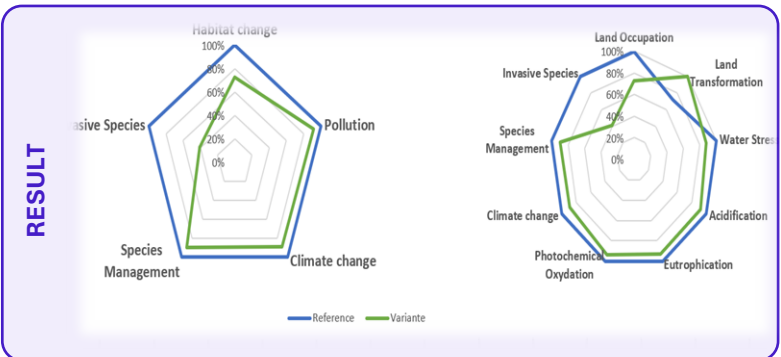
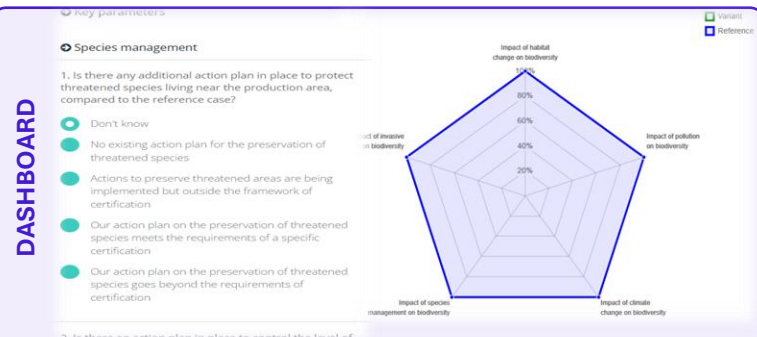
Used by:



L'ORÉAL



KERING



Darwin Data

Software created by Darwin Data in 2024

 Paid

 International

 **ESRS E1, E3, E4**

Approach: **Impacts & Risks**

 **Site; Value chain**

 **Yes**

Sector: **All**

Purpose of the tool: Enabling businesses and investors to **quantify their impacts and dependencies on biodiversity**, identify priorities for action, and build a **nature-positive strategy** aligned with European and international standards.

Data

Data to be provided by the user (internal):

- **Location** of sites
- **Products or raw materials** used
- **Sectors of activity, suppliers, volumes**, etc.

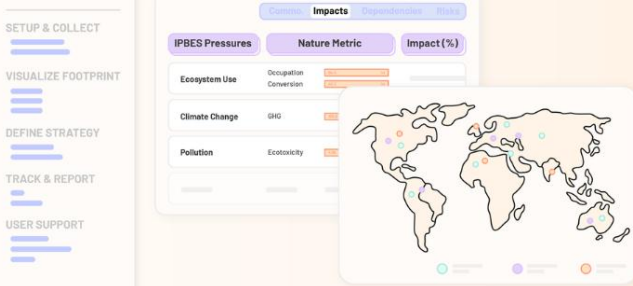
The tool can also operate on **limited data** thanks to extrapolation and enrichment algorithms.

External data:

- **Integrated external databases** (scientific, geospatial, sectoral, IPBES, IUCN, FAOSTAT, etc.)

It supplements this data using AI and probabilistic models to fill in gaps in the reported data.

VISUAL MAPPING



Method

Darwin Data applies an approach based on the **five major pressures identified by IPBES**:

- Land use change
- Direct exploitation
- Pollution
- Climate change
- Invasive species

The tool models:

- **Impacts** on biodiversity using indicators such as MSA (mean species abundance)
- The company's dependencies on ecosystems (water, pollination, regulation, etc.)

It is aligned with the **TNFD**, **SBTN**, and **ESRS E4** standards and builds '**nature-positive**' trajectories using the **AR³T** logic (Avoid, Reduce, Restore, Regenerate, Transform).

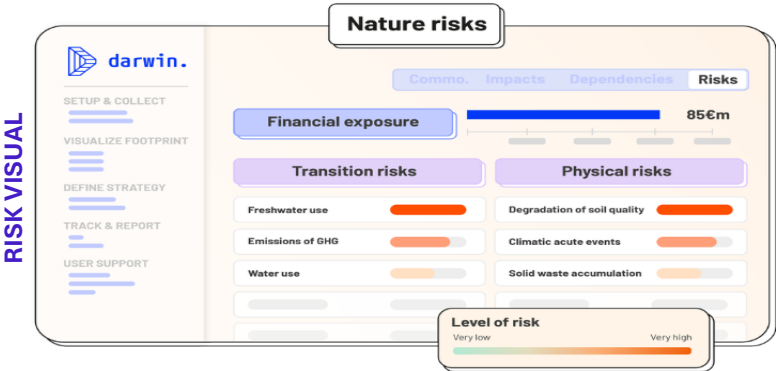
Used by:



Results

What you get:

- A quantified **biodiversity footprint**, localized in km²·MSA/year, Scope 1 to 3
- An **analysis by site**, product or portfolio (company or financial)
- Biodiversity impact and dependency hotspots
- **Customized action plans** to guide reduction and transformation strategy
- Ready-to-use exports for TNFD or ESRS E4 **reporting**



Integrated Biodiversity Assessment Tool (IBAT)



Software created by Birdlife in 2008



Paid



International



ESRS E4

Approach: **Risk**



Site



No

Sector: **All**

Purpose of the tool: Locate potential impacts on biodiversity based on a site's coordinates. It draws on global reference databases (WDPA, Red List, KBAs) to generate maps, reports and lists of critical species. It is ideal for companies or investors who wish to identify their areas of biodiversity exposure.

Data



Data to be provided by the user (internal):

Geographical coordinates of sites

External data:

- WDPA – World Database on Protected Areas (UNEP-WCMC)
- IUCN Red List – red list of threatened species
- KBAs – Key Biodiversity Areas
- Species data – occurrences of species at high risk of conservation

The tool cross-references this data to assess the **biodiversity sensitivity** of activity or investment **sites**.

Method



It identifies the **proximity or overlap** of a site with:

- **protected areas** (IUCN categories I to VI),
- **critical habitats** (KBAs),
- the presence of **species threatened** according to the IUCN.

Each intersection is translated into a **sensitivity score** and a **biodiversity risk rating**.

The tool follows the recommendations of the **TNFD** (Locate phase), **CSRD/ESRS E4** frameworks, and **due diligence standards** (IFC PS6, ICMM, etc.).

Results



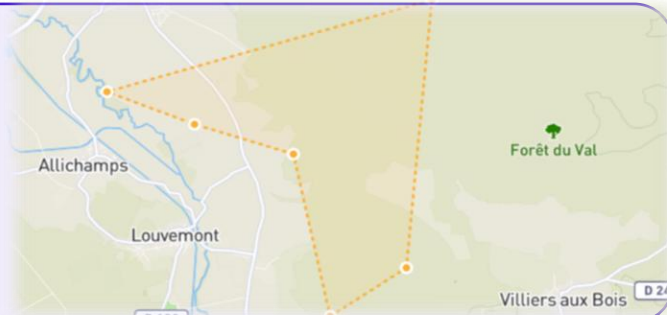
What you get:

- **Interactive mapping** by site with overlay of sensitive areas
- **Biodiversity sensitivity report** (PDF or Excel) for each site
- **Lists of endangered species** present in the vicinity
- **Alerts on overlap with KBA or protected area**
- **Criticality score per site** (low to very high sensitivity)

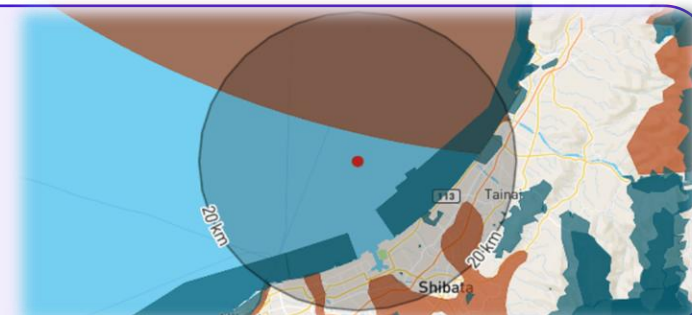
Typical uses of results:

- Risk screening for project implementation
- Identification of areas to avoid or treat as a priority

VISUAL MAPPING



VISUAL MAPPING



Used by:

LVMH



Morgan Stanley



THE WORLD BANK

CEO Water Mandate

Method created by **UN Global Impact** in **2007**

 **Free**

 **International**

 **ESRS E3**

Approach: **Risk**

 **Site**

 **No**

Sector: **All**

Purpose of the tool: Integrate sustainable water management into operations, the value chain and governance. It provides a **six-pillar framework** for managing risks, setting targets and aligning actions with global standards.

Data



Data to be provided by the user (internal):

- **Water consumption** (sites, factories), discharges, uses (processes), CSR policy, published commitments.
- **Recommended secondary data:** geographical context (water stress in watersheds), regulatory context, social impacts related to water (communities, governance).

External data:

- **Water Action Hub & 100 Basins app:** identifies critical watersheds based on environmental and socio-economic criteria and centralizes existing projects and partnership opportunities

Method



The CEO Water Mandate is based on **six strategic pillars** to be integrated into water governance:

- **Direct operations** (reduction, efficiency, pollution)
- **Supply chain** & basin management
- **Collective action** (partnerships, collaborations)
- **Political engagement** (influence, regulation)
- **Community involvement** (maintenance, access, infrastructure)
- **Transparency** (reporting, objectives, indicators: SDG 6, GRI, CDP, ESRS E3, etc.)

This is a voluntary framework, not a technical tool or software program: **each pillar is accompanied by guides, sector fact sheets and examples of KPIs**, but implementation is self-driven.

Used by:



Nestlé



ACCOR



Microsoft



suez



DANONE
ONE PLANET. ONE HEALTH.

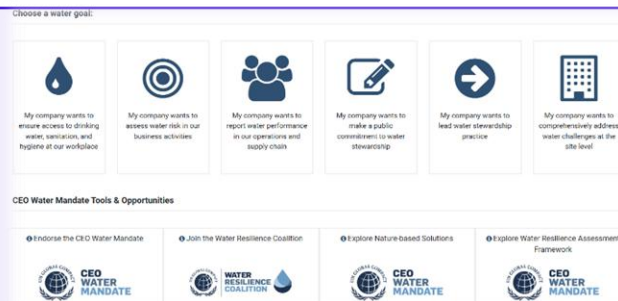
Results



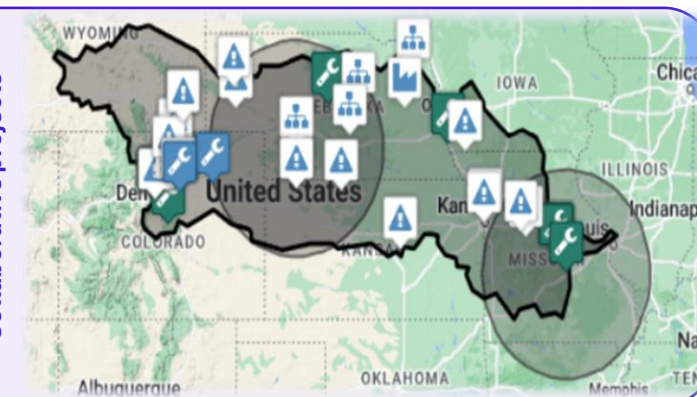
By applying the framework, the company obtains:

- A strategic **water roadmap** structured around six pillars
- **Recommendations for priority actions** (e.g. renovation, watershed alliances)
- **Aligned indicators** for reporting (e.g. GRI 303, CDP Water, ESRS E3)
- A **document database**: practical guides, checklists, realistic sector examples, ongoing projects, etc.

DASHBOARD



MAPPING Collaborative projects



Biodiversity navigator

Biodiversity Navigator

Software created by **Impact Institute** in **2020**



International



ESRS E4

Approach: **Impacts & Risks**



Financial Product; Value chain



No

Sector: **All**

Purpose of the tool: Quantify impacts and dependencies on biodiversity across the entire value chain. Provides detailed results by sector, site or portfolio, based on recognized models (PBAF, TNFD, IPBES), and enables prioritization of strategic or reporting actions.

Data



Data to be provided by the user (internal):

- A file containing the **assets to be analyzed**: geographical location (country), sector of activity, value of assets or portfolio

External data:

- Data on the five main causes of biodiversity loss and dependencies on 21 ecosystems
- Detailed global coverage by country and sector (NACE, ISIC, GTAP)

Method



- The tool assesses **impacts on and dependencies on biodiversity** based on **the five major pressures identified by IPBES** (land use change, pollution, climate, etc.).
- It uses scientific databases (GLOBIO, ENCORE, EXIOBASE, etc.) to **model environmental effects by sector and location**.
- The results are expressed in MSA·km²/year, with the possibility of **monetization**.
- Standardized attribution methods (PBAF, IWAF, etc.) allow the **results to be aggregated** at the level of a site, portfolio or company.

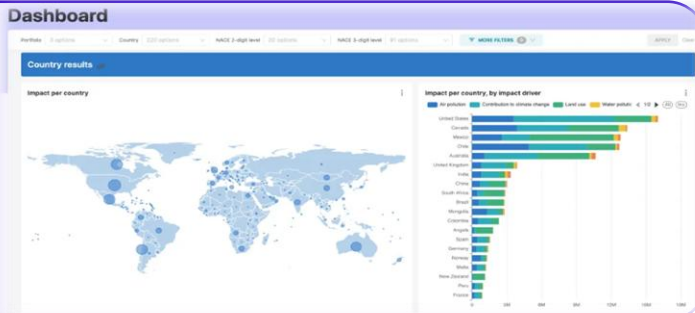
Results



What you get:

- An **interactive dashboard** with detailed visualizations (drill-down) enabling analysis of impacts by asset, sector or region
- Exportable data** and used for regulatory reporting (CSRD, TNFD, SFDR) and strategic decision-making
- Assistance in **prioritizing investments**, divestments or engagement actions, focusing on the most critical areas of impact or dependency

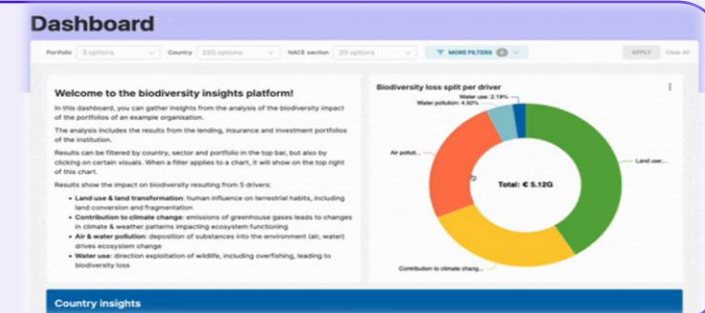
DASHBOARD



Used by:



DASHBOARD



CTI Tool

Software created by **WBCSD** in
2020

💰 Paid

🌐 International

⚖️ ESRS E5

Approach: **Impacts**

🏠 Product; Site

CO2 No

Sector: **All**

**CTI
TOOL**

Purpose of the tool: Measure circularity, identify drivers of transformation and manage performance in terms of materials, energy and output flows.

Data



Internal data on incoming and outgoing flows:

- **Raw materials** (virgin/secondary/renewable)
- **Energy** consumed (fossil/renewable)
- **Destinations** of outgoing flows (reuse, recycling, recovery, waste)
- **Economic data** (value generated per unit of resource)

Method



It calculates a series of **quantitative indicators** on:

- **Material circularity** rate
- Circular **productivity** (€/kg)
- **Material value loss**
- **Lifespan** and usage

The analysis can be carried out at the level of a **product**, a **site**, a **business unit** or an **entire company**.

Results



The user obtains three types of results:

Key indicators:

- Overall circularity rate (%)
- Proportion of secondary material vs virgin material
- Ratio of recovered material vs lost material
- Economic value per circular resource (€/kg)

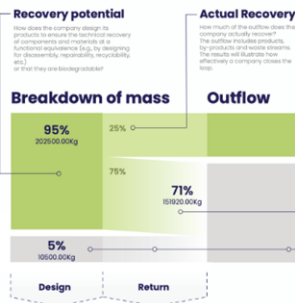
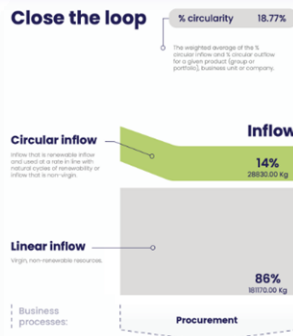
Dashboards:

- Interactive visualizations: pie charts, histograms, heat maps
- Comparison between scenarios or periods

Exports:

- Summary PDF file
- Excel tables for integration into CSRD, ESRS E5, ISO 14009, SBTi for nature reporting, etc.

VISUAL DASHBOARD



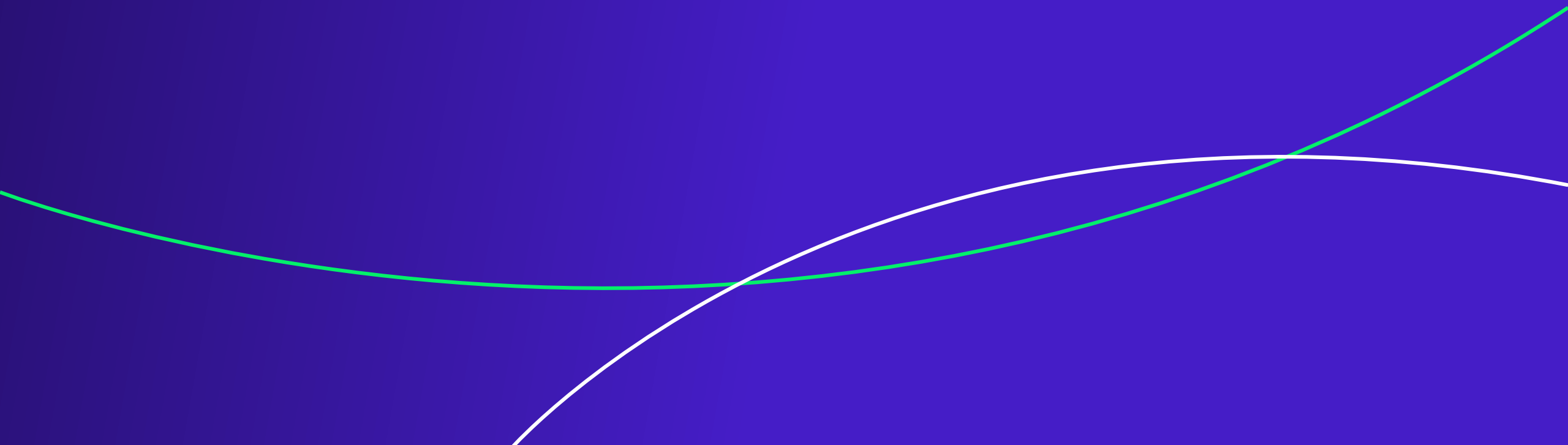
Used by:

ASUS

CEL
SA
GROUP

Microsoft

04. List of tools



2 to 4 ESRS CONCERNED

I M P A C T S	Tool Name	ESRS	Scope	Sectors
	 How Good	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	Food & Beverage
	 Food Pilot	ESRS E1; ESRS E5	Product; Value chain	Agriculture and Food & Beverage
	 MSCI Impact Solutions (ESG Sustainable Impact Metrics)	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Financial product; Site	Banks / Insurances / Financial services
	 Logiciel RSE act21	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Site; Value chain	All
	 GoodWill Digital	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Financial product; Site; Value chain	All
	 Axionable	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Site	All
	 Wiix (Water Impact Index)	ESRS E3; ESRS E5	Site	Environment / Water / Energy / Waste; Industry / Production; Public sector
	 Engie Impact	ESRS E3; ESRS E5	Site	All
	 Environmental Accounting Software Sphera	ESRS E3; ESRS E5	Product; Site; Value chain	All
	 LCA Automation Software Sphera	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	All
	 SimaPro	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	All
	 OpenLCA	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	All
	 BIA-GBS	ESRS E3; ESRS E4	Financial product	Banks/Insurances
	 Glimpact	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	Industry / Production; Fashion / Textile; commercial sector; Public sector

2 to 4 ESRS CONCERNED

Tool Name		ESRS	Scope	Sectors	
IMPACTS		One Click LCA conception, construction & fabrication	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	Construction / Real Estate / Materials; Infrastructure
		Holis	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	All
		B Impact Assessment	ESRS E3; ESRS E4; ESRS E5	Product; Site; Value chain	All
		BIM Vert (Building Information Modelling)	ESRS E3; ESRS E4; ESRS E5	Site	Construction / Real Estate / Materials; Infrastructure
		Notation RSE (Ecovadis)	ESRS E3; ESRS E4; ESRS E5	Site; Value chain	All
		EcoStruxure™ Resource Advisor	ESRS E3; ESRS E4; ESRS E5	Site; Value chain	All
		Autodiagnostic Responsible Care	ESRS E3; ESRS E4; ESRS E5	Site	Chemical sector
		Farmleap	ESRS E3; ESRS E4; ESRS E5	Product; Value chain	Agriculture and Food & Beverage
		ClearFashion	ESRS E3; ESRS E4; ESRS E5	Product	Fashion / Textile
	Zei	ESRS E3; ESRS E4; ESRS E5	Product; Site; Value chain	All	
IMPACTS & RISKS		WEF Nexus Tools 2.0	ESRS E3, ESRS E4, ESRS E5	Site	All
		Deepki Ready	ESRS E1 ; ESRS E3; ESRS E4 ; ESRS E5	Site	All
		ESG Connect	ESRS E1, ESRS E3; ESRS E4; ESRS E5	Financial product; Value chain	Bank / Insurance / Financial services
		Iceberg Data Lab	ESRS E1; ESRS E4	Financial product	All
		GIST Impact	ESRS E1; ESRS E4	Financial product; Value chain	Bank / Insurance / Financial services; industry; Distribution

2 to 4 ESRS CONCERNED

IMPACTS & RISKS	Tool Name	ESRS	Scope	Sectors
	 S&P Global Sustainable 1	ESRS E1; ESRS E3; ESRS E4	Site; Value chain	All
	 Enablon	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Product; Site; Value chain	Industry / Production; Chemical sector; Aerospace and defense; Information; Environment / Water / Energy / Waste; Agriculture and Food & Beverage; Mining and metals; Pharmaceuticals
	 Solutions Sustainability Cloud (Microsoft)	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Product; Site; Value chain	All
	 ENCORE	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Financial product; Site	All
	 Infrastructure Asset Assessment	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Financial product; Site	Infrastructure; Bank / Insurance / Financial services
	 MSCI ESG Ratings	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Financial product	Bank / Insurance / Financial services
	 Darwin Data	ESRS E1; ESRS E3; ESRS E4	Site; Value chain	All
	 IBM Impact & Environmental Intelligence Suite	ESRS E1; ESRS E3; ESRS E4; ESRS E5	Site; Value chain	All
	 Finres	ESRS E1; ESRS E3	Site	Bank / Insurance / Financial services; Agriculture and Food & Beverage; Public sector
	 WWF Risk Filter Suite (Biodiversity and Water Risk Filters)	ESRS E3; ESRS E4	Financial product; Site; Value chain	All
	 ESG Risk Rating (ERR)	ESRS E1; ESRS E3, ESRS E4, ESRS E5	Site	All
	 Asphales	ESRS E1; ESRS E3	Site	Industry / Production; Public sector; Environment / Water / Energy / Waste
	 IQ Plus	ESRS E1; ESRS E4; ESRS E5	Value chain	All
	 Verisk Maplecroft	ESRS E1; ESRS E3; ESRS E4	Value chain	Industry; Bank / Insurance / Financial services
	 GP Prediag	ESRS E1; ESRS E4	Site	All
RISKS				

ESRS E1 – Climate change

	Tool Name	ESRS	Scope	Sectors
IMPACTS & RISKS	 Altitude (Agriculture, Finance, Industry)	ESRS E1	Site	Agriculture and Food & Beverage ; Finance ; Industry
	 NamR Simulateur Risks Climatiques	ESRS E1	Financial product	Bank / Insurance / Financial services; Real Estate
	 Eoliann	ESRS E1	Site; Value chain	Finance; Insurances; Others
RISKS	 Service de prévention du risk feux de forêt	ESRS E1	Site; Value chain	All
	 EFAR (Ensemble face aux risks)	ESRS E1	Site	All
	 FLOAT (Flood Assessment Tool)	ESRS E1	Site	All
	 Wildfire HD Edition	ESRS E1	Site	All
	 Resallience Lab – Analyse prédictive and de modélisation des risks climatiques	ESRS E1	Financial product; Site	Bank / Insurance / Financial services; Public sector; Industry / Production; Infrastructure
	 Climada	ESRS E1	Site; Value chain	Bank / Insurance / Financial services; Public sector; Infrastructure; Agriculture and Food & Beverage; Energy
	 Climate Risk Platform (ECLR)	ESRS E1	 Site	All

ESRS E1 – Climate change

RISKS	Tool Name	ESRS	Scope	Sectors
	 ClimaDiag Entreprise	ESRS E1	Site; Value chain	All
	 ClimaDiag Commune	ESRS E1	Site	Public sector
	 Clim'Ability (Climability Diag, Climate Inspector)	ESRS E1	Site	Public sector
	 ClimateVision	ESRS E1	Site	Infrastructure; Transport / Logistics; Industry / Production; Public sector
	 InfraClimat	ESRS E1	Site	Public sector; Infrastructure
	MOODY'S MOODY'S Risk Modeler 2.0	ESRS E1	Value chain	Bank / Insurance / Financial services
	 Earth Scan	ESRS E1	Financial product; Site	All
	 Maptycs	ESRS E1	Financial product; Site	Real Estate, Bank / Insurance / Financial services



ESRS E3 – Water and marine resources

	Tool Name	ESRS	Scope	Sectors
IMPACTS	 Leakmited Solutions	ESRS E3	Site	Water / Public sector / Industry
	Mission 90+	ESRS E3	Site	Public sector
	 BNPE	ESRS E3	Site	Public sector; Environment / Water / Energy / Waste; Agriculture and Food & Beverage
	 Blue Edge	ESRS E3	Site	All
	 AquaCrop	ESRS E3	Product; Site	Public sector; Agriculture and Food & Beverage
	Référentiel OCEAN	ESRS E3	Site	All
IMPACTS & RISKS	 AquaData	ESRS E3	Site	All
	 OpenFlows WaterGEMS	ESRS E3	Site	Industry / Production; Environment / Water / Energy / Waste; Public sector
	 PrevizO	ESRS E3	Site	Public sector
	 Smart Water Navigator	ESRS E3	Site	All
RISKS	 Aware	ESRS E3	Product; Site	All
	 SBTN State of Nature Water Layers - Arcgis	ESRS E3	Site	All
	 Aqueduct	ESRS E3	Site; Value chain	All
	 AWS - Standard	ESRS E3	Site; Value chain	All
	 CEO Water Mandate	ESRS E3	Site	All

ESRS E4 – Biodiversity

IMPACTS	Tool Name	ESRS	Scope	Sectors
	 Global Biodiversity Score® (GBS)	ESRS E4	Product; Site; Value chain	All
	 Score Biodiversité	ESRS E4	Site	All
	Plansup Biodiversity Footprint Calculator	ESRS E4	Product; Value chain	All
	PEP-Bioccia	ESRS E4	Site	Public sector
	IArbre	ESRS E4	Site	Public sector
	BFFI (Biodiversity Footprint for Financial Institutions)	ESRS E4	Financial product	Bank / Insurance / Financial services
	 Bioscope (simplified version of BFFI)	ESRS E4	Financial product, value chain	Bank / Insurance / Financial services
	 Product Biodiversity Footprint (PBF)	ESRS E4	Product	All
	 Simplified PBF	ESRS E4	Product	All
	 BIM (Biodiversity impact metric)	ESRS E4	Value chain	All
	 Biodiversity Indicator and Reporting System (BIRS)	ESRS E4	Site	Construction / Real Estate / Materials
	 BIEC (Biodiversity Indicator for Extractive Companies)	ESRS E4	Site	Environment / Water / Energy / Waste
	 STAR Metric (Species Threat Abatement and Recovery Metric)	ESRS E4	Financial product; Site	Bank / Insurance / Financial services; Public sector

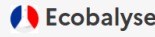


ESRS E4 – Biodiversity

	Tool Name	ESRS	Scope	Sectors
IMPACTS & RISKS	 B-INTACT (Biodiversity Integrated Assessment and Computation Tool)	ESRS E4	Financial product	Agriculture and Food & Beverage; Environment / Water / Energy / Waste; Public sector; Bank / Insurance / Financial services
	 Biodiversity Navigator	ESRS E4	Financial product; Value chain	Bank / Insurance / Financial services
	 BeeOimpact	ESRS E4	Site	Agriculture and Food & Beverage; Real Estate; Environment / Water / Energy / Waste; Public sector; Industry / Production
	 Corporate Biodiversity Platform	ESRS E4	Site	All
	 Environmental Review Tool & Biodiversity Dashboards & iMapInvasives	ESRS E4	Site	Public sector
	 Roadmaps to Nature Positive (solutions map x Blueprint)	ESRS E4	Site; Value chain	All
	 Biodiversity Impact Assessment Tool	ESRS E4	Financial product; Value chain	Bank / Insurance / Financial services
RISKS	 World Data Base of Protected Areas (WDPA)	ESRS E4	Site	All
	 Integrated Biodiversity Assessment Tool (IBAT)	ESRS E4	Site	All



ESRS E5 – Resource use and circular economy

IMPACTS	Tool Name	ESRS	Scope	Sectors
	 Circularity Assessment – UNI 11820	ESRS E5	Product; Value chain	All
	 Circular assessment Tool	ESRS E5	Product	All
	 Up2Circ	ESRS E5	Product	Industry / Production; commercial sector
	 Circular Tool	ESRS E5	Product; Value chain	All
	 Lixio	ESRS E5	Site; Value chain	Public sector; Environment / Water / Energy / Waste
	 Circularity Assessment Tool	ESRS E5	Product; Site	All
	 Ecoscale	ESRS E5	Product	Construction / Real Estate / Materials
	 Crystal Trace	ESRS E5	Product; Value chain	All
	 SludgeAdvanced	ESRS E5	Site	Agriculture and Food & Beverage; Industry / Production; Public sector
	 Take a waste	ESRS E5	Site; Value chain	Distribution; Health; Hospitality / Food service / Tourism
	 SAP PLM	ESRS E5	Product; Value chain	Industry / Production; commercial sector; Transport / Logistics
	 Ecobalyse	ESRS E5	Product; Value chain	Fashion / Textile; Agriculture and Food & Beverage
	 Bilan Product	ESRS E5	Product; Value chain	All
	 CTI Tool	ESRS E5	Product; Site	All

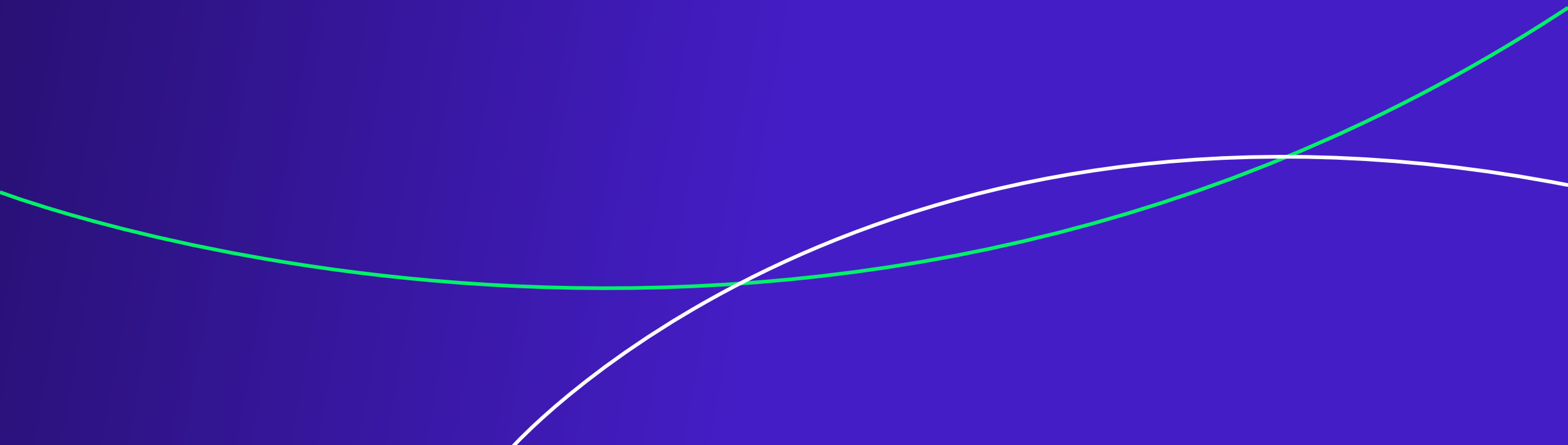


ESRS E5 – Resource use and circular economy

Tool Name		ESRS	Scope	Sectors
TRACEABILITY	trace for good. Trace For Good	ESRS E5	Product; Value chain	All
	CONNECTING FOOD Food Confidence Platform	ESRS E5	Product; Value chain	Agriculture and Food & Beverage
	BIBAK Bibak	ESRS E5	Product; Site; Value chain	Hospitality / Food service / Tourism; Industry / Production; Public sector
	amcs Quentic	ESRS E5	Site; Value chain	All



05. Conclusion



Tools designed to evolve

The tools presented are essential for navigating a changing regulatory and economic environment, while contributing to a sustainable future. This overview therefore represents a **snapshot of an ecosystem that is set to evolve rapidly**, due to the supranational/national regulatory and geopolitical context and the development of technologies, particularly AI.

Two main divergent scenarios can be envisaged:

1. **Towards unified platforms:** Specialized tools could be integrated into more **comprehensive solutions** capable of meeting all CSR requirements. This would provide companies with a single, centralized and simplified solution for managing both their regulatory obligations and their voluntary commitments. **We can imagine partnerships between actors to pool expertise.**
2. **Towards specialization:** Conversely, some tools will evolve in a **specialized** manner in response to specific regulations (deforestation, water management, traceability) and specific market needs (e.g. development of eco-design).

In both cases, **attention to the methodology used, certifications and the degree of reliability and accuracy of the data provided** appears essential for the rigor and relevance of companies' responses to transition challenges.



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