

Not for Retail distribution: this marketing communication is intended exclusively for Professional, Institutional, Qualified or Wholesale Investors/Clients, as defined by applicable local laws and regulation. Circulation must be restricted accordingly. The information contained herein is confidential and any reproduction of this information, in whole or in part, to third parties is prohibited.



# Shaping sustainable investment for the future - addressing biodiversity loss through listed equities

Anna Väänänen, AXA IM Head of Listed Impact Equity

14<sup>th</sup> October 2024

## **Challenges to be addressed**

Biodiversity loss is now a systemic issue

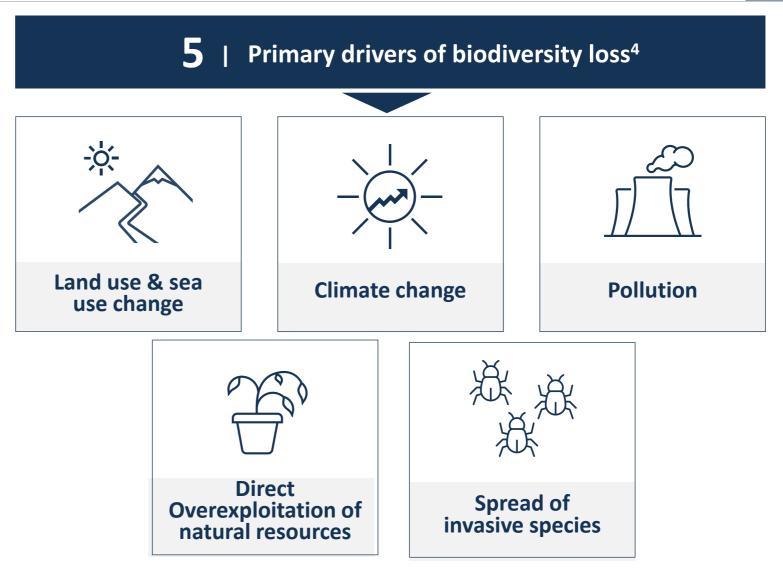
SETTING PORTFOLIO STRATEGY



**50%** of global GDP depends on high functioning biodiversity<sup>1</sup>

**\$5trn/year** is the cost related to natural ecosystems degradation<sup>2</sup>

**69%** decline in monitored wildlife populations since 1970<sup>3</sup>



Source: (1) World Economic Forum, Nature Risk Rising: Why the Crisis Engulfing Nature Matters for Business and the Economy, (2) The Biodiversity Crisis Is a Business Crisis, March 2021, by Torsten Kurth, Gerd Wübbels, Adrien Portafaix, Alexander Meyer zum Felde, and Sophie Zielcke. Note: Other sources say that over half of world GDP or about \$44trn is dependent on ecosystem services (WEF and AlphaBeta, 2020); (3) The 2022 global Living Planet Index. World Wund Fund. (4) ipbes Science and Policy for People and Nature.



## The biodiversity transition is accelerating

Global Biodiversity Framework

Protect	Reduce	Restore
Protect at least 30% of land and water ecosystems <sup>1</sup>	<b>Reduce 50%</b> in pesticide use and food waste <sup>2</sup>	<b>Restore at least 30%</b> of degraded land and water ecosystems <sup>2</sup>



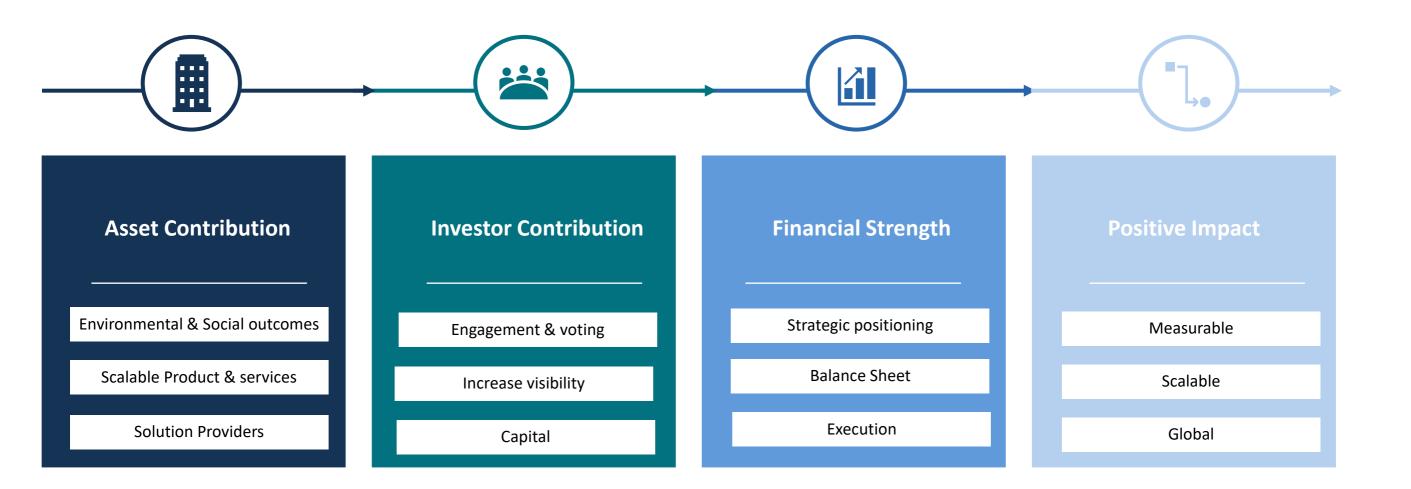
Governance	Strategy	Risk management	Metrics and targets

Source: COP 15, Global Biodiversity Framework. (1) UNCD Press Release 26/04/2022. (2) Source: Official CBD Press Release – 19/12/2022. TNFD. For illustrative purposes only. 2



## **AXA IM's Listed Impact Equity approach**

Generating positive measurable impact alongside financial returns

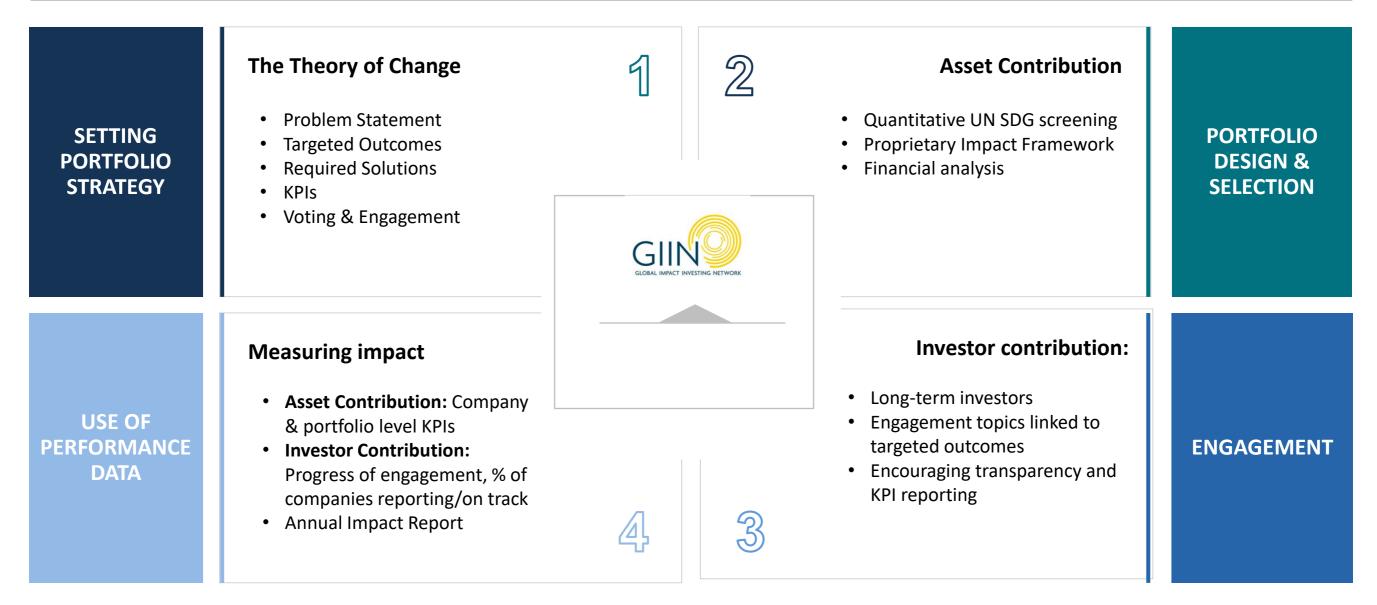


Source: AXA IM, for illustrative purpose only. No assurance can be given that the strategy will be successful or that investors will not lose some or all of their capital. AXA IM reserves the right to modify any of the investment process described herein at its discretion.



# **Our core principles are aligned to GIIN's framework**

Key concepts to guide impact strategy design and implementation



Source: GIIN and AXA IM, for illustrative purpose only. No assurance can be given that the strategy will be successful or that investors will not lose some or all of their capital. AXA IM reserves the right to modify any of the investment process described herein at its discretion.





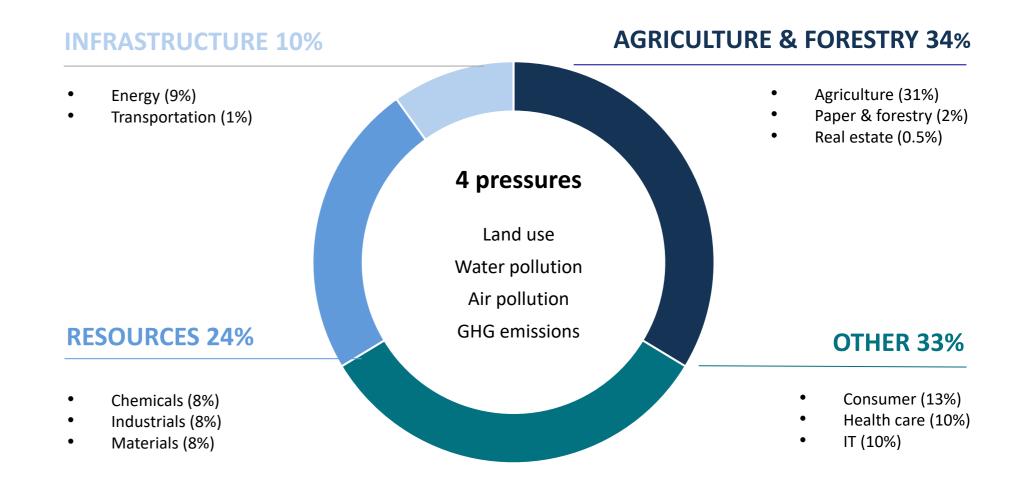
**Iceberg Data Lab** Corporate Biodiversity Footprint

Mean Species Abundance **Km<sup>2</sup>MSA** 

## Identifying Sectors contributing most to biodiversity loss

SETTING PORTFOLIO STRATEGY

Corporate Biodiversity Footprint of MSCI All Country World Index



Source: AXA IM and Iceberg Data lab. MSA calculated via science-based models, which have methodological limits: invasive species, oceans and natural resources overconsumption – these aspects of biodiversity loss are not coveredFor illustrative purposes only.



## **Theory of Change**

Targeted outcomes to protect and preserve biodiversity

Outcomes	SUSTAINABLE FOOD & AGRICULTURE	RESPONSIBLE PRODUCTION & CONSUMPTION	RESILIENT INFRASTRUCTURE	TECHNOLOGY ENABLERS	
	Agritech	Resource Efficiency	Consulting & Engineering	Software & Services	
Solutions		Sustainable Materials	Water Ecosystem		
	Food Innovation	Recycling & Recirculation	Environmental Testing	Semiconductors	
KPIs	Sustainably engaged acres	Waste materials collected and processed	People benefitting from water infrastructure services	R&D	
SDGs	SDG 2 SDG 14 SDG 15	SDG SDG 12 14	SDG 6	SDG 2SDG 6SDG 12SDG 14SDG 15	

Source: AXA IM, for illustrative purpose only. No assurance can be given that the strategy will be successful or that investors will not lose some or all of their capital. AXA IM reserves the right to modify any of the investment process described herein at its discretion.



## **Biodiversity solutions**

The agriculture industry must become more efficient

The sector is responsible for **80% of deforestation** 

...and uses

50% of habitable land

The **agriculture sector is a traditional sector** that needs to be modernized:

- The use of **cameras, sensors, big data and AI** in soil analysis and crop treatment helps to reduce the use of harmful chemicals.
- Electric and autonomous tractors are needed to displace diesel tractors and increase resource efficiency.
- Regenerative farming practises to restore biodiversity.



Global food production will have to increase by 50% to meet demand in 2050





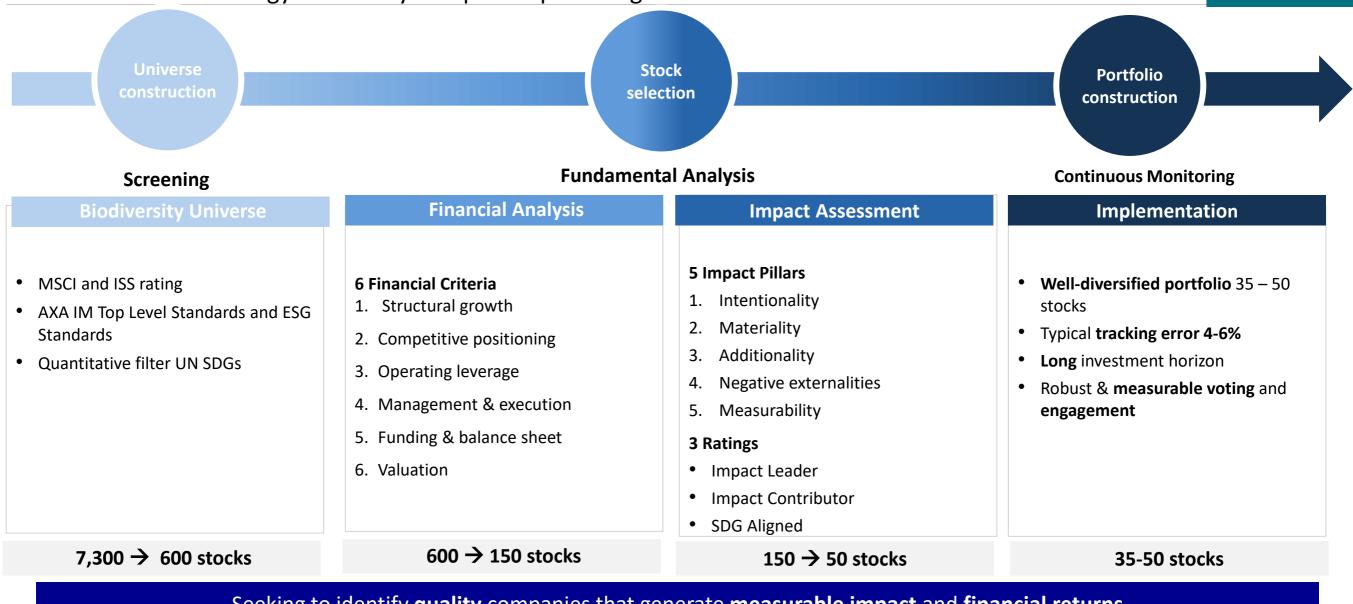
Source :AXA IM. Images from John Deere Website. For illustrative purposes only. Company examples are for illustrative purposes only. This does not constitute investment research or financial analysis relating to transactions in financial instruments, nor does it constitute an offer to buy or sell any investments, products or services, and should not be considered as solicitation or investment, legal or tax advice, a recommendation for an investment strategy or a personalised recommendation to buy or sell securities.



SETTING

## **Investment process**

### A consistent methodology to identify companies providing asset contribution



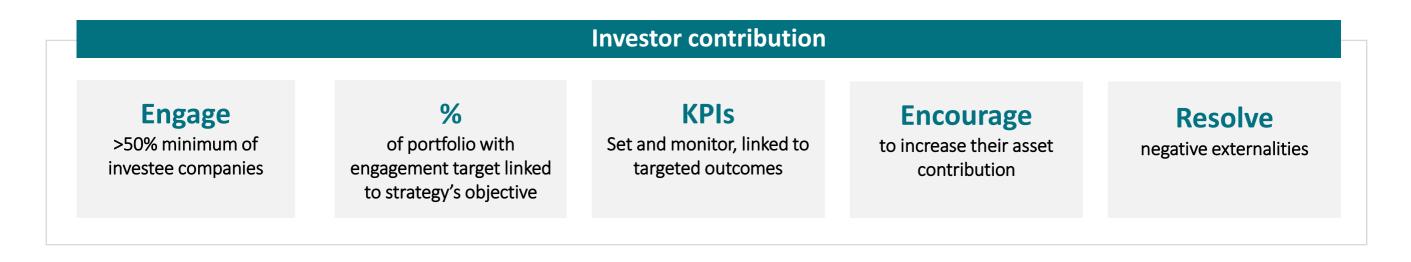
Seeking to identify quality companies that generate measurable impact and financial returns

Source: AXA IM, for illustrative purpose only. No assurance can be given that the strategy will be successful or that investors will not lose some or all of their capital. AXA IM reserves the right to modify any of the investment process described herein at its discretion.



## Engagement

Investor contribution: encouraging companies to improve the targeted outcomes



Governance

#### Formal oversight by AXA IM Equity's Investment Oversight Forum

Source: AXA IM For illustrative purposes only. KPIs are not indicative of future results. Reporting in development and subject to change. 1: https://www.axa-im.co.uk/research-and-insights/investment-strategy-updates/fund-manager-views/equities/axa-wf-act-biodiversity-impact-report-2022. 2: MSA calculated via science-based models, which have methodological limits: invasive species, oceans and natural resources overconsumption – these aspects of biodiversity loss are not covered



Portfolio KPIs						
% of portfolio with an engagement target related to the strategy		<b>%</b> of portfolio companies reporting impact KPIs'		% of portfolio Leader & Impact contributors		
A	Resilient Infra	structure	People benefitting from water infrastructure services (million people)			
Targeting & reporting positive environmental impact	Responsible Pro	oduction & Consumption	Waste materials collected and processed for reuse during the year, in millions of tons			
	Sustainable Fo	ood & Agriculture	Million Acres covered by sustainable agriculture technology during the year			
	Technology En	ablers	R&D investments (\$ Million) b	y companies in software & services		

Source: AXA IM and Iceberg Data Lab as at 31/12/2023. For illustrative purposes only. KPIs are not indicative of future results. Reporting in development and subject to change. 1: https://www.axa-im.co.uk/research-and-insights/investment-strategy-updates/fund-manager-views/equities/axa-wf-act-biodiversity-impact-report-2022. 2: MSA calculated via science-based models, which have methodological limits: invasive species, oceans and patural resources overconsumption – these aspects of biodiversity loss are not covered



## Conclusion

#### The Biodiversity transition has just started.

We expect the pace to increase significantly during the next 3-5 years driven by the COP 15 roadmap and adoption of TNFD.



Source: AXA IM as at 31/07/2024. No assurance can be given that the strategy will be successful or that investors will not lose some or all of their capital. AXA IM reserves the right to modify any of the investment process described herein at its discretion.



## Disclaimer

Not for Retail distribution: This marketing communication is intended exclusively for Professional, Institutional or Wholesale Clients / Investors only, as defined by applicable local laws and regulation. Circulation must be restricted accordingly.

This marketing communication does not constitute on the part of AXA Investment Managers a solicitation or investment, legal or tax advice.

This material does not contain sufficient information to support an investment decision. Due to its simplification, this document is partial and opinions, estimates and forecasts herein are subjective and subject to change without notice. There is no guarantee forecasts made will come to pass. Data, figures, declarations, analysis, predictions and other information in this document is provided based on our state of knowledge at the time of creation of this document. Whilst every care is taken, no representation or warranty (including liability towards third parties), express or implied, is made as to the accuracy, reliability or completeness of the information contained herein. Reliance upon information in this material is at the sole discretion of the recipient. This material does not contain sufficient information to support an investment decision.

Before making an investment, investors should read the relevant Prospectus and the Key Investor Information Document / scheme documents, which provide full product details including investment charges and risks. The information contained herein is not a substitute for those documents or for professional external advice.

The products or strategies discussed in this document may not be registered nor available in your jurisdiction. Please check the countries of registration with the asset manager, or on the web site https://www.axaim.com/en/registration-map, where a fund registration map is available. In particular units of the funds may not be offered, sold or delivered to U.S. Persons within the meaning of Regulation S of the U.S. Securities Act of 1933. The tax treatment relating to the holding, acquisition or disposal of shares or units in the fund depends on each investor's tax status or treatment and may be subject to change. Any potential investor is strongly encouraged to seek advice from its own tax advisors.

Information concerning portfolio holdings and sector allocation is subject to change and, unless otherwise noted herein, is representative of the target portfolio for the investment strategy described herein and does not reflect an actual account. The performance information shown herein reflects the performance of a composite of accounts that does not necessarily reflect the performance that any particular account investing in the same or similar securities may have had during the period. Actual portfolios may differ as a result of client-imposed investment restrictions, the timing of client investments and market, economic and individual company considerations.

#### For investors located in the European Union:

Please note that the management company reserves the right, at any time, to no longer market the product(s) mentioned in this communication in the European Union by filing a notification to its supervision authority, in accordance with European passport rules.

In the event of dissatisfaction with AXA Investment Managers products or services, you have the right to make a complaint, either with the marketer or directly with the management company (more information on AXA IM complaints policy is available in English: https://www.axa-im.com/important-information/comments-and-complaints ). If you reside in one of the European Union countries, you also have the right to take legal or extra-judicial action at any time. The European online dispute resolution platform allows you to submit a complaint form (available at: https://ec.europa.eu/consumers/odr/main/index.cfm?event=main.home.chooseLanguage) and provides you with information on available means of redress (available at: <a href="https://ec.europa.eu/consumers/odr/main/?event=main.adr.show2">https://ec.europa.eu/consumers/odr/main/?event=main.adr.show2</a>). Summary of investor rights in English is available on AXA IM website https://www.axa-im.com/important-information/summary-investor-rights. Translations into other languages are available on local AXA IM entities' websites.

#### Netherlands

In the Netherlands, this document is intended for Professional Clients only, as defined by local laws and the MIFID directive, and is distributed by AXA IM Paris Netherlands Branch, Beethoven 500 – 4th Floor, Beethovenstraat 518 – 1082 PR Amsterdam - the Netherlands.

Issued by AXA INVESTMENT MANAGERS PARIS, a company incorporated under the laws of France, having its registered office located at Tour Majunga, 6 place de la Pyramide, 92800 Puteaux, registered with the Nanterre Trade and Companies Register under number 353 534 506, and a Portfolio Management Company, holder of AMF approval no. GP 92-08, issued on 7 April 1992. In other jurisdictions, this document is issued by AXA Investment Managers SA's affiliates in those countries



