



# GENERAL PARTNER ESG CONSIDERATIONS

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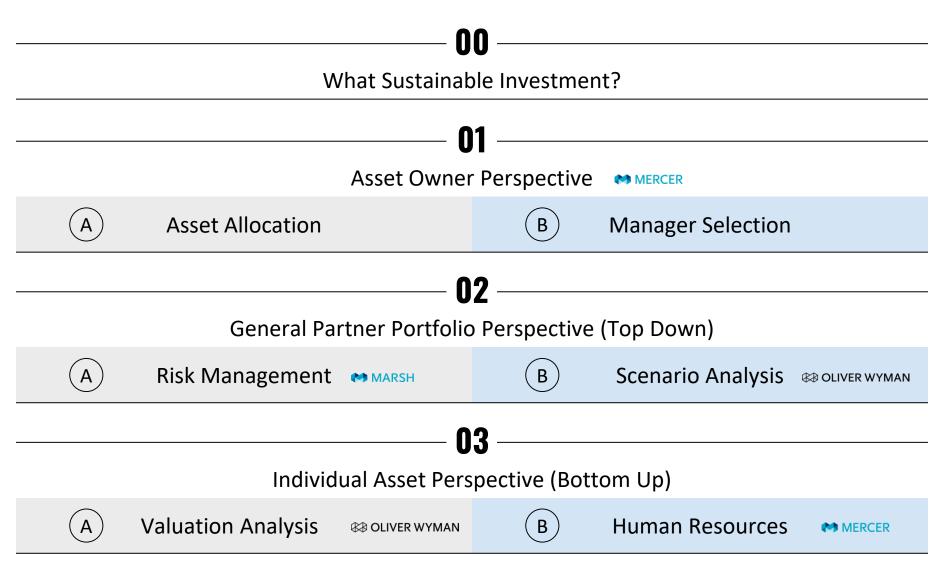
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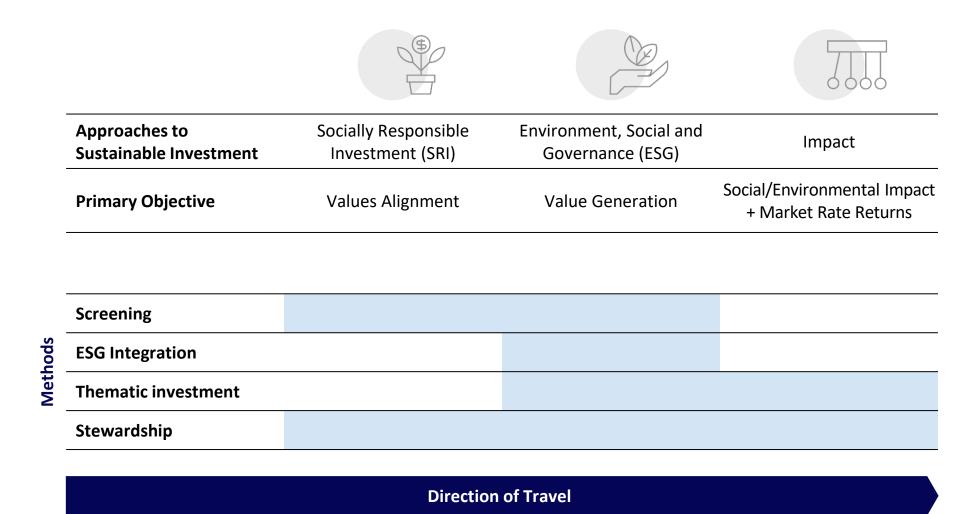
# **OUTLINE**



# 00

WHAT IS SUSTAINABLE INVESTMENT?

# **SPECTRUM OF SUSTAINABLE INVESTMENT APPROACHES**



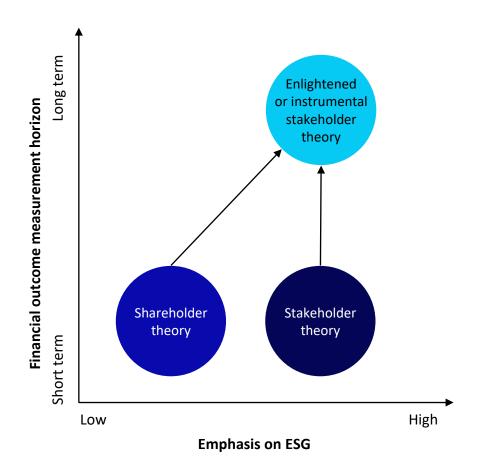
# SUSTAINABILITY REQUIRES ADOPTION OF A STAKEHOLDER PERSPECTIVE

This is not necessarily opposed to shareholder wealth maximization

A stakeholder model of the corporation takes a more pluralistic view on the impacts of company actions

Environment Society External Internal Shareholders **Unions** Managers Creditors Customers **Pensioners** Officers Regulations

Aligning shareholder and stakeholder views requires long-termism and ESG measurement along the way



Source: Mercer

**Suppliers** 

**Employees** 

# **SUSTAINABILITY MOTIVATIONS**

By key stakeholder group









01

#### **Investors**

- Over 90% of studies on the connection between ESG factors and company financial performance show a non-negative correlation
- 2. Top 20% highest performers on material sustainability issues outperform bottom 20% by as much as 5% over a 20 year period

02

## **Regulators**

- Over <u>1800 climate-related</u> <u>laws</u> and policies are already in place globally
- 4. Over 500 sustainable finance policy instruments are in place in the largest 50 global economies with 97% having been adopted since 2000.

03

#### **Customers**

- Increased <u>reputation</u> translating into up to 11% higher market cap
- 6. 76% of consumers would refuse to purchase a product if a company supported an issue contrary to their beliefs
- 7. 66% of consumers globally (and 73% of millennials) are willing to pay more for sustainable brands

04

## **Employees**

- 8. <u>55% higher employee</u> morale
- Up to 50% reduction in turnover, saving 90-200% of retained employee's salary
- 10. 16% higher productivity, with measurable impact on shareholder value
- 11. D&I in particular is also known to drive innovation, making organizations 45% more likely to grow market share, and 70% likelier to capture new markets.

# 01

**ASSET OWNER PERSPECTIVE** 

# (A) ASSET ALLOCATION DECISIONS ARE INCREASINGLY INFLUENCED BY ESG CONSIDERATIONS

Many ESG issues are systemic and have total portfolio impacts (e.g. climate)

Quantifying these enables ESG-informed asset allocation decisions by asset owners



Mercer's climate scenario analysis tool has been applied to \$trillions of asset owner assets globally

# **B** MANAGER ESG RATINGS



### **Idea generation**

- ESG factors integrated into active fund positions as a source of value added.
- Identification of material ESG factors skill of team members, data sourcing



## **Implementation**

- Engagement and proxy voting activities (if applicable).
- Investment horizon align with ability to effectively implement ESG views?



#### **Portfolio construction**

Efforts to integrate ESG driven views into the portfolio's construction.



### **Business management**

Firm-level support for ESG integration, engagement activities and transparency.

## ESG1

Leading approach to integration, where ESG is **embedded in investment philosophy;** strong on stewardship which is a core part of process

## ESG2

Consistent and repeatable process to ESG integration (focus on risk management); well-developed evidence of stewardship.

## ESG3

Well-developed G integration; less consistency in E&S; stewardship process is ad hoc, but indications of progress.

## ESG4

**Little or no integration** of ESG factors or stewardship into core processes and no indication of future change.

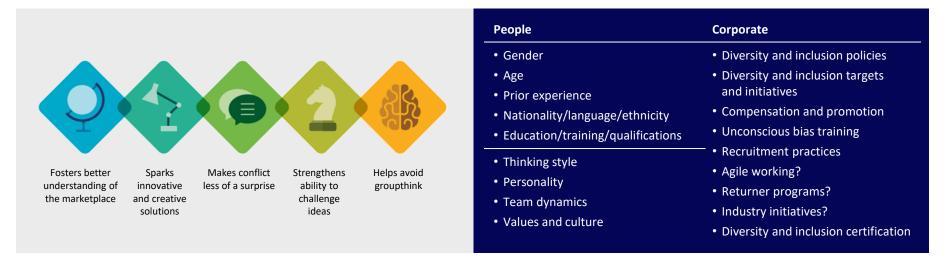
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ESG ratings are undertaken by Mercer's global manager research team. They are on a scale from 1 (highest) to 4 (lowest) and assess how well managers integrate ESG factors into investment processes.

# **B** DIVERSITY AND CULTURE IN MANAGER ANALYSIS

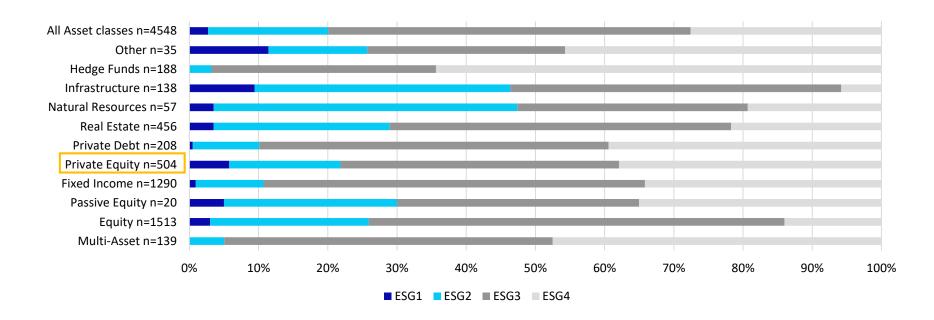
Collectively, diverse teams often have a better, and broader, understanding of the marketplace, and the combination of different cognitive styles is more likely to produce innovative and creative solutions — particularly to complex problems, such as those found in financial markets. Diverse teams are also better able to probe and challenge each other's ideas, providing the checks and balances needed to ensure robust solutions and guard against the behavioral biases we see in the investment industry.



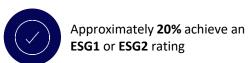


# **B** ESG RATINGS BY ASSET CLASS

## **Distribution of 4,500+ Mercer ESG ratings**









Source: Mercer. Notes: ESGp ratings for passive equity are applied at manager level and are not included in the total strategy count. ESG ratings on sub-advised strategies are also excluded from the total to avoid double counting. All "Other" includes strategies that aren't classified under the main categories and represent <1% of ratings. Analysis as at June 2020

# 02

**PORTFOLIO PERSPECTIVE** 

# **A RISK MANAGEMENT**

Illustrative example of a portfolio physical climate risk assessment

## Climate-adjusted flood modelling across portfolio

Portfolio Mapping

NorthNorthPennings middestrough
Altonal Park
National Park
Norwich
Exeter

Southampton

Exeter

Bournemouth

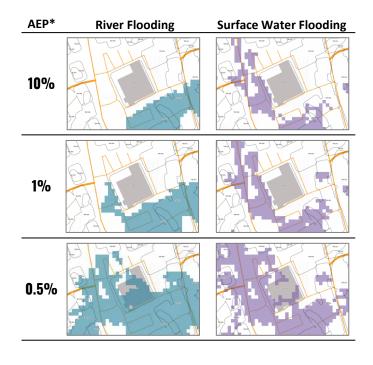
Portfolio 1

Portfolio 2

Portfolio 3

Portfolio 4

Climate-adjusted flood modelling (2020, 2050 and 2080)



# Climate- and resilience- adjusted damage ratio calculation

Property Parameters						
Valuation —	Market	USD 1,000,000				
	Reinstatement	USD 750,000				

Peril Parameters (illustrative of 0.5% AEP)						
2020 Scenario	Max Depth	0.3m				
	Area Impacted	34%				
2080 Scenario	Depth	0.62m				
	Area Impacted	59%				

Average Da	Average Damage Ratio (ADR) Parameters				
	Underlying ADR	0.0015			
2020 Scenario	Resilience Adj.	n/a			
Sections	Net ADR	0.0015			
2080 Scenario	Underlying ADR	0.0098			
	Resilience Adj.	-15%			
	Net ADR	0.00833			

<sup>\*</sup>AEP - Annual Exceedance Probability

# **A RISK MANAGEMENT**

Integration of ESG into ERM processes

## -We use our integrated Sustainability – ERM approach to execute projects











# Active stakeholder engagement

Actively support the stakeholder engagement process to identify material aspects and define performance indicators

# Integrated ERM framework

Define an ERM framework that captures ESG risk assessment and fosters collaboration among business, sustainability, RM and quality assurance

## **ESG Risk assessment**

Identify and evaluate
ESG risks in the context
of SDGs both in the
short term and in the
medium long term to
define action plans
improving the company's
resilience

## **Materiality matrix**

Actively contribute to the materiality matrix definition through understanding business & risk priorities

# Reporting and communication

Actively support the communication of the sustainability strategy and actions to ensure also transparency vs all the stakeholders

## STEP 1

Relevant ESG Factors to Be Addressed

## STEP 2

Ongoing Prioritization of ESG Factors

### STEP 3

Internal/ External Communication

# **B** WHAT ARE CLIMATE-RELATED RISKS?

Differences across scenarios

Selecting scenarios Interpreting scenarios to business impacts

	Green scenario			Grey scenario	
Scenario	Rapid Transition	Two-degree	Business-as-intended	Business-as-usual	
Policy action	Very strong	Strong	Substantial	Limited	
Change in temperature vs. pre-industrial era (2100)	1.5°C	2°C	3°C	4°C	
% fossil fuel in energy mix (2050)	<40%	<50%	75%	80%	

### **More Transition Risk**

"Green" scenario

- · Controlled yet aggressive change
- Major short term impact but reduced long-term impact
- Lowest long-term economic damage

## Legal Risk

Mismanagement of or contribution
 to either transition or physical risk can result in legal liability

## **More Physical Climate Risk**

 Accelerating changes in acute and chronic weather patterns

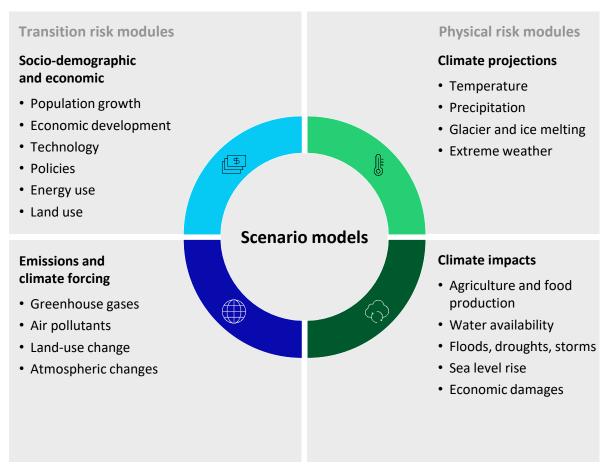
"Grey" scenario

- Impacts continue to increase over time
- Economic damages increase long-term

# **B** CLIMATE SCENARIO MODELING (1/2)

Using climate-economy or integrated assessment models (IAMs)

## Representative scenario-based model structure



# Common scenario outputs usually at sector and/or region level

**Energy demand** 

**Energy prices** 

Land use

**Emissions** 

Investments

Carbon price

Market damages

Non-market damages

Acute risks

Chronic risks

GDP

GVA

Interest rates

Inflation

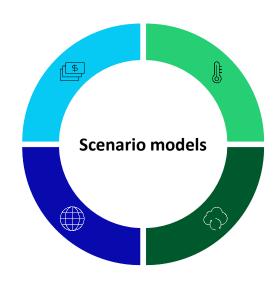
Transition
Physical
Both

Source: Potsdam Institute for Climate Impact Research (PIK); Marsh & McLennan

# **B** CLIMATE SCENARIO MODELING (2/2)

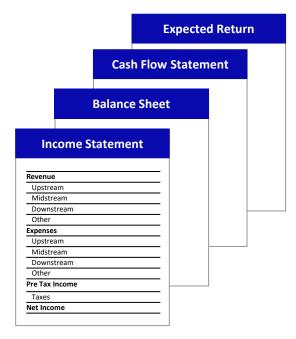
Application of Scenario Model outputs

## **Climate risk scenarios**



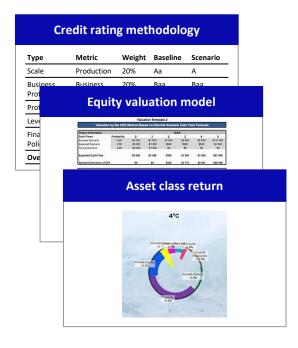
Creates linkage between scenarios and key variables

Scenario-adjusted return expectations or financial statements



Projects scenario-adjusted financial statements for each company

Scenario-adjusted credit risk or equity value analysis



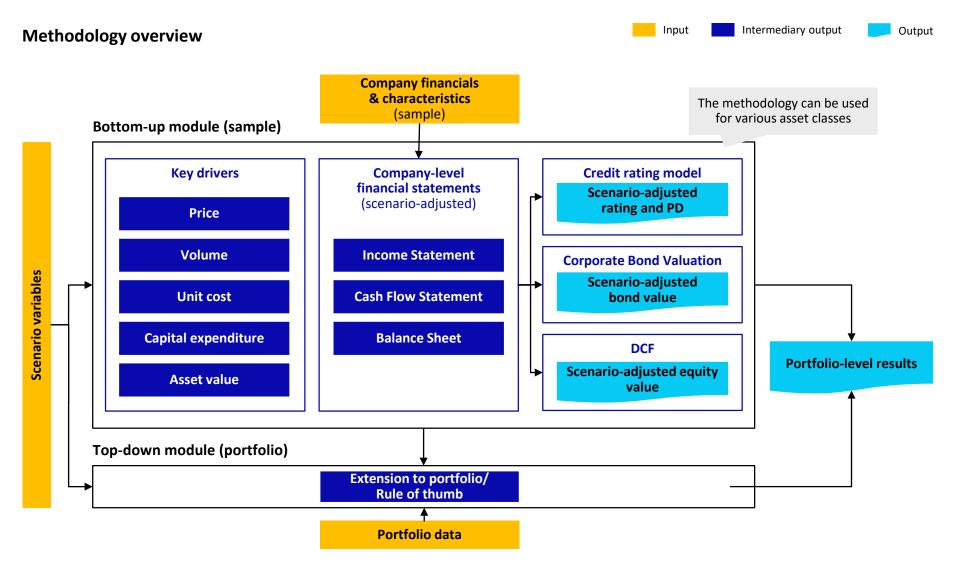
Estimates scenario-adjusted credit rating/probability of default, equity value or asset return

# 03

**ASSET PERSPECTIVE** 

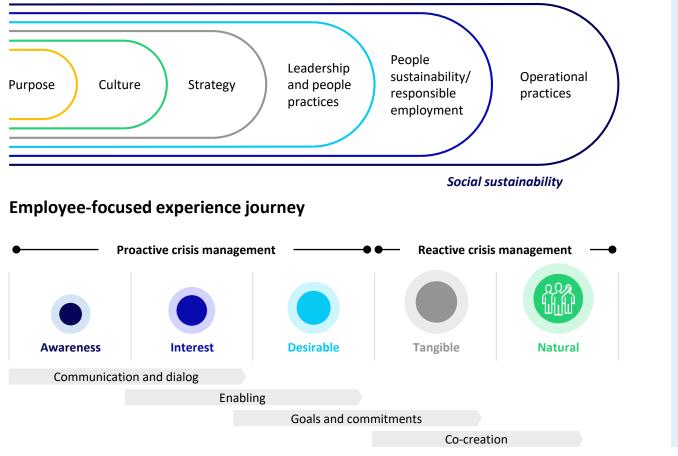
# **A ASSET VALUATION ANALYSIS**

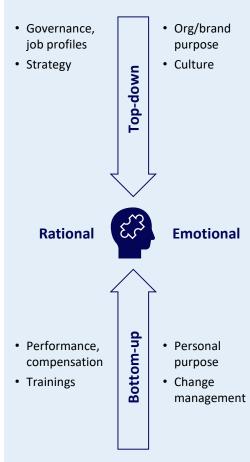
Focus on transition risk assessment



# **B** HUMAN RESOURCES

## **Sustainability transformation framework**





Marsh & McLennan Advantage

**Environmental sustainability** 

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