## IPRI in Person

# **PRI perspective: TCFD and climate scenario analysis**

Martin Skancke, Chair, PRI, TCFD member and advisor to Storebrand

Breakout B



# The Taskforce on Climate related Disclosures (TCFD) recommendations

Governance	Strategy	Risk Management	Metrics and Targets		
Disclose the organization's governance around climate-related risks and opportunities.	Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material.	Disclose how the organization identifies, assesses, and manages climate-related risks.	Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.		
Recommended Disclosures	<b>Recommended Disclosures</b>	<b>Recommended Disclosures</b>	Recommended Disclosures		
a) Describe the board's oversight of climate-related risks and opportunities.	a) Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.	a) Describe the organization's processes for identifying and assessing climate-related risks.	a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.		
b) Describe management's role in assessing and managing climate- related risks and opportunities.	b) Describe the impact of climate- related risks and opportunities on the organization's businesses, strategy, and financial planning	b) Describe the organization's processes for managing climate- related risks.	b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.		
	c) Describe the resilience of the organization's strategy, taking into consideration different climate- related scenarios, including a 2°C or lower scenario.	c) Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management.	c) Describe the targets used by the organization to manage climate- related risks and opportunities and performance against targets.		



### The Taskforce on Climate related Disclosures (TCFD)

## The PRI supports investors with a guide offering a practical framework to implement TCFD recommendations



PRI in Person

- The guide has been prepared for asset owners looking to improve their practices according to the Taskforce on Climate-related Financial Disclosures (TCFD) recommendations.
- To meet investors' need for practical tools and guidance, this guide offers a **range of actions** across the four pillars of the TCFD framework (governance, strategy, risk management, and metrics and targets).
- The guide highlights near term actions, recommendations for engaging with fund managers and guidance on climate scenario analysis.

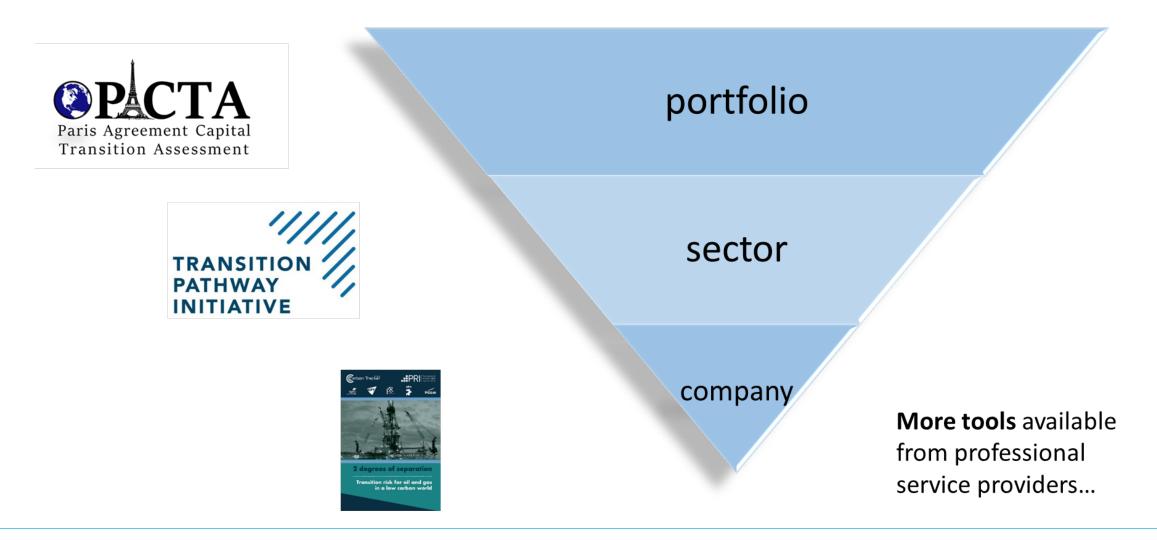
#### **TCFD: What are the benefits for asset owners?**





#### **PRI's partners on scenario analysis**

**Publicly available tools and research on climate scenarios** 

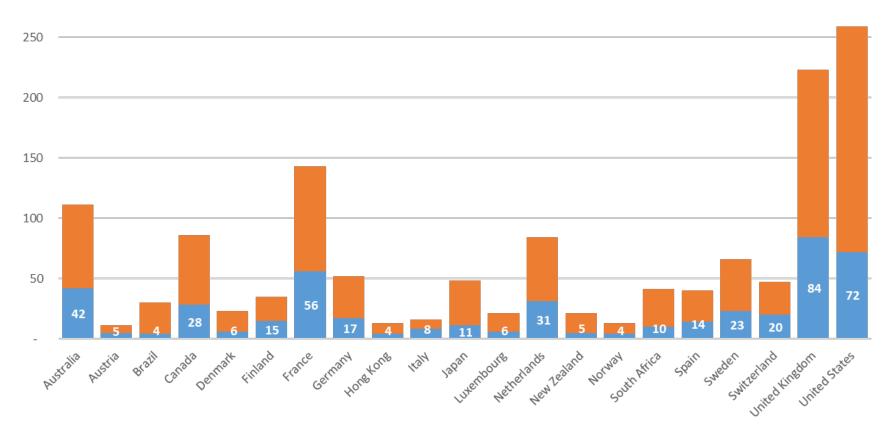




### **PRI signatory climate disclosure based on TCFD**

## 480 signatories opted into the 2018 PRI pilot climate reporting indicators based on TCFD

Signatories reporting on Climate Change

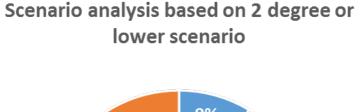


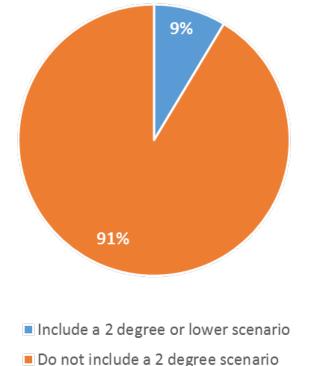
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### **Climate-related Scenario Analysis**

## Only 9% of PRI signatories who reported in 2018 conduct scenario analysis that considers a 2° or lower scenario.





Denominator: 1445 reporters

### .::PRI in Person



## **TCFD:** how to use climate scenarios

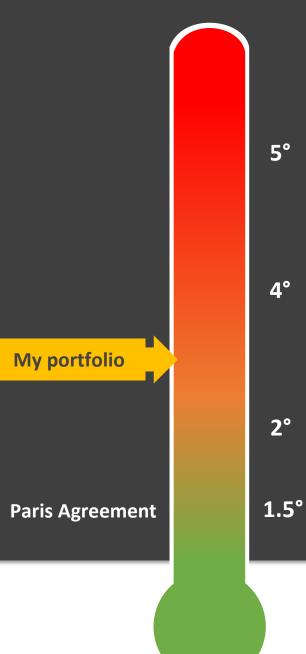
Breakout 2B

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Moderated by **Martin Skancke**, Chair, PRI, TCFD member and advisor to Storebrand







## Online Climate Scenario Analysis Tool

Tricia Jamison, 2° Investing Initiative













## Key questions:

- 1. What is the exposure of financial portfolios to energy transition risk?
- 2. How does exposure compare among peers and with the market?
- 3. How does this exposure change over time?

## **CLIMATE SCENARIO ANALYSIS TOOL** Uploading a portfolio

#### **2° SCENARIO ANALYSIS**

W PARTICIPATE

ABOUT US

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PUBLICATIONS

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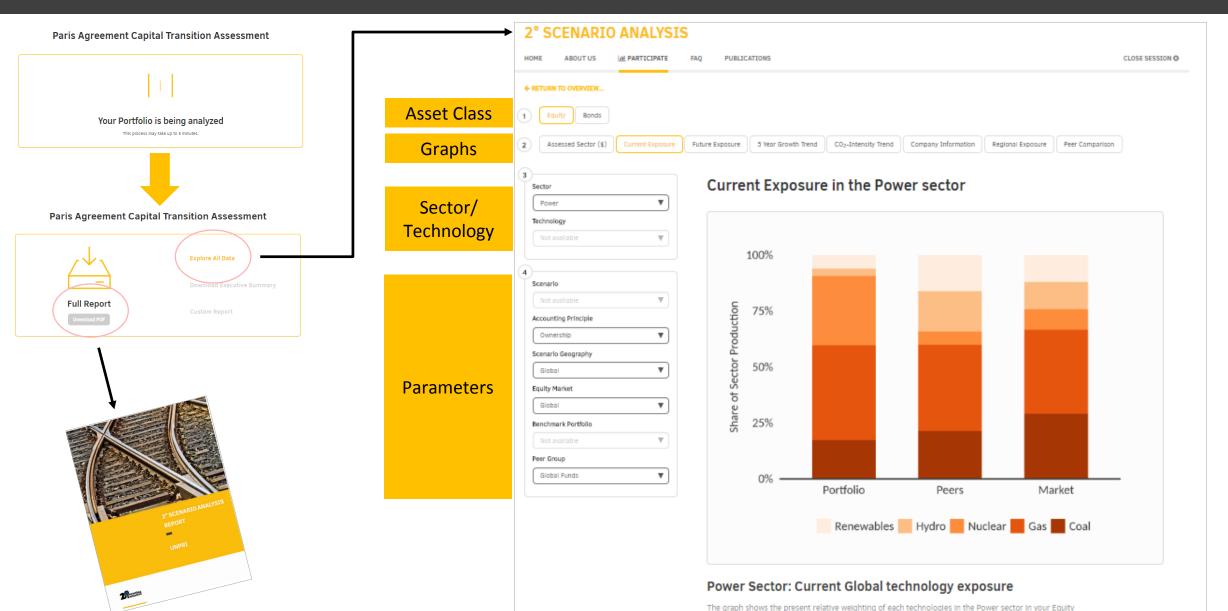
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**PRI** 

## **CLIMATE SCENARIO ANALYSIS TOOL** Options for using the tool





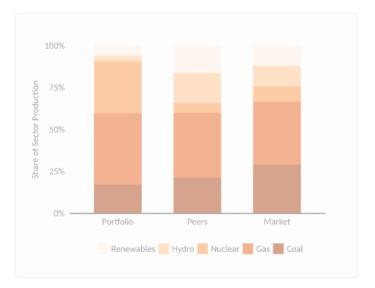
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## **CLIMATE SCENARIO ANALYSIS TOOL** Outputs - Technology diversification

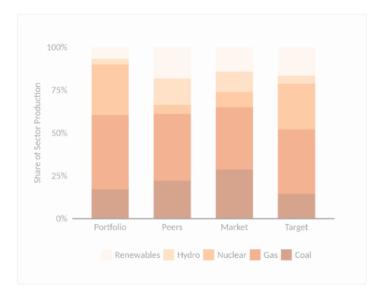
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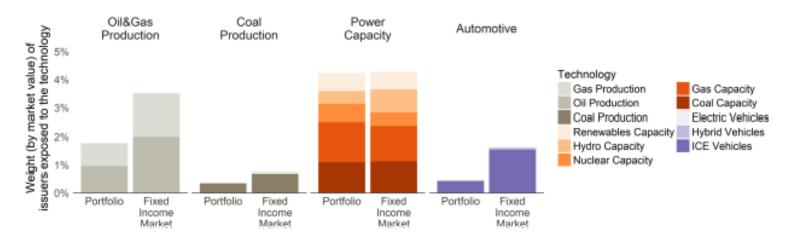
#### Current Exposure in the Power sector



#### Future Exposure in the Power sector



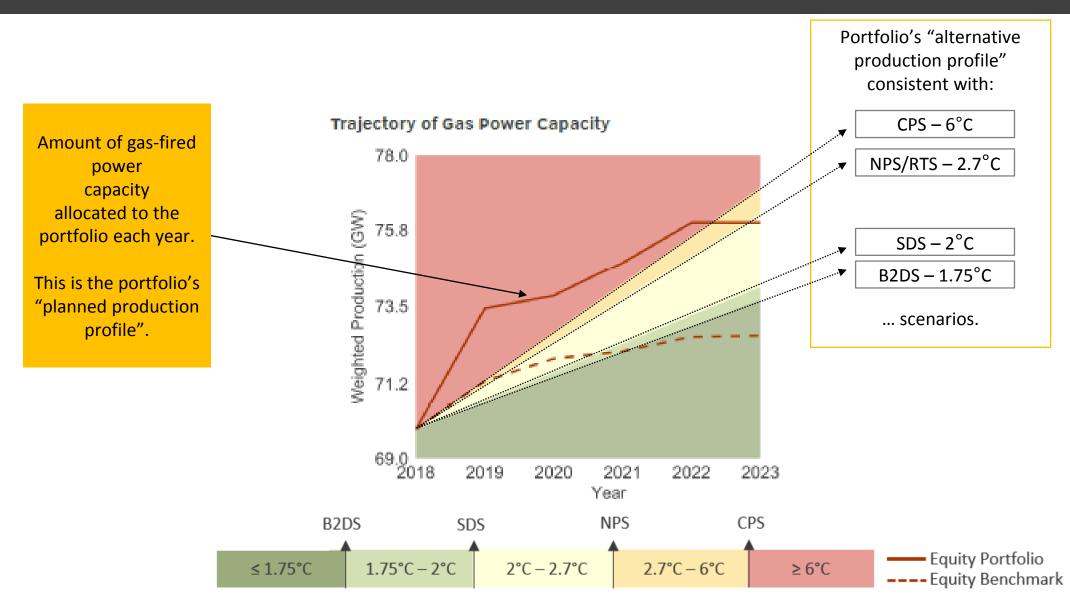
#### Current exposure across all sectors relative to the markets exposure



## CLIMATE SCENARIO ANALYSIS TOOL Outputs – Technology exposure evolution



**P**RI

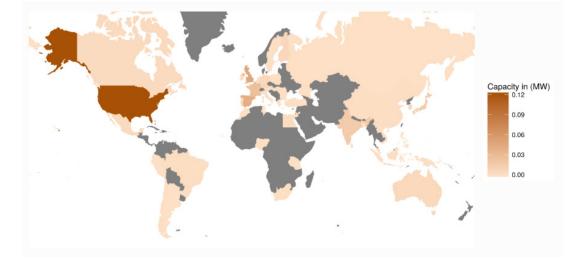


## CLIMATE SCENARIO ANALYSIS TOOL Outputs – Contribution from company and asset location

Technology breakdown of power companies within the fixed income portfolio

Market Benchmark 2°C Targe Portfolic XCEL ENERGY, IN. PPL CORPORATION PSEG POWER LLC DUKE ENERGY COR. NEXTERA ENERGY EDISON INTERNAT. PUGET ENERGY IN. SOUTHERN COMPAN. AMEREN CORP WEC ENERGY GROU. 0% 25% 50% 75% 100% Renewable Power Hydropower Nuclear Power Gas Power Coal Power

Country exposure to renewable capacity within the equity portfolio







## **Online Climate Scenario Analysis Tool**

## https://tool.transitionmonitor.com









## **TCFD:** how to use climate scenarios

Breakout 2B

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# The Inevitable Policy Response: Act Now Forcing the Climate transition

Mark Fulton, Founder Energy Transition Advisers, PRI in Person September 2018



nergy Transition Advisers ETA ClimateWorks



## **The Inevitable Policy Response: Act Now**

- Without much stronger action now PRI see an Inevitable Policy Response (IPR) to an overshoot
  of the Paris Agreement to limit global warming to well below 2D.
- While the exact timing remains a scenario, the Paris Agreement 2023 stock take leading to 2025 pledges appear strong candidates for forceful policy announcements.
- We assume implementation by 2030.
- PRI has called on a group of specialists in ETA and Vivid to develop a set of technical papers to develop into an intended work programme:
  - IPR: Why, When, What, How, Strategic Asset Allocation/Portfolio Construction and Investor Actions





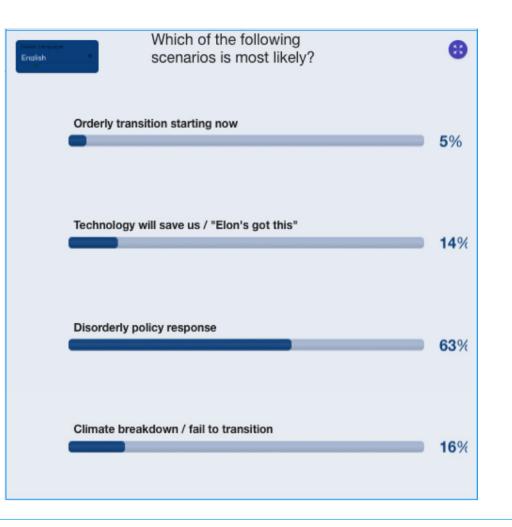
## **The Inevitable Policy Response: Act Now**

- Importantly this means that all stakeholders in the climate transition should look to act now so that the disruption of the policy action is reduced – the later and the greater the gap the more the volatility.
- Technology trends, Policy and Investor- Company engagement all reduce the impact.
- A key focus is for investors in terms of engagement, governance, service providers and strategic asset allocation/portfolio construction.
- As an intended research/work programme we lay out a framework and key topics showing examples. The modelling for actual impacts is yet to be done.





## **IPR: What scenario do PRI signatories expect?**

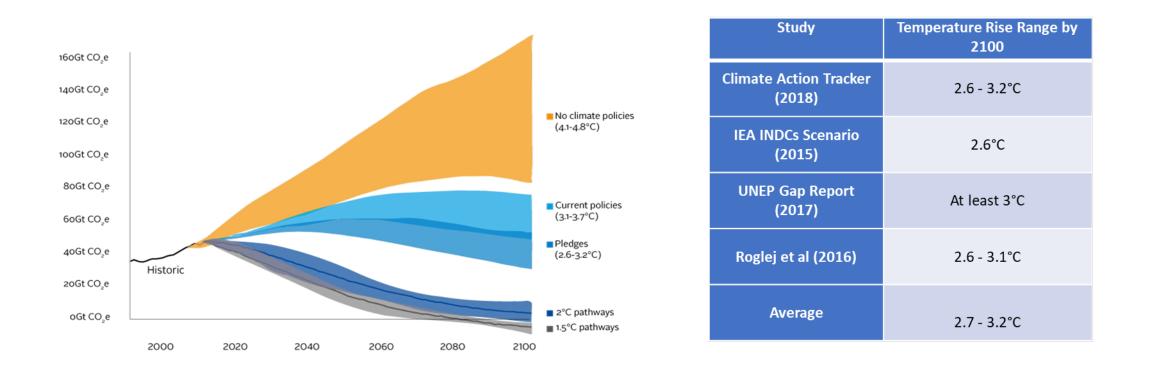






### **IPR: Why? The World is not on track for Well below 2°C**

The faster 1) technology, 2) policy and 3) investor actions to encourage companies to align, the less the gap to close and less the disruption – Act Now.







## **IPR: Why? - What drives the change?**



- Need for certainty by all stakeholders particularly business
   – many companies calling for a carbon price
- Falling costs of low carbon technology avoiding the costs of damages
- Climate science research into increasing evidence of impacts
- Civil society unease at weather trends
- Security issues migration, food and water
- The Paris Agreement itself along with the process: stock take and pledges

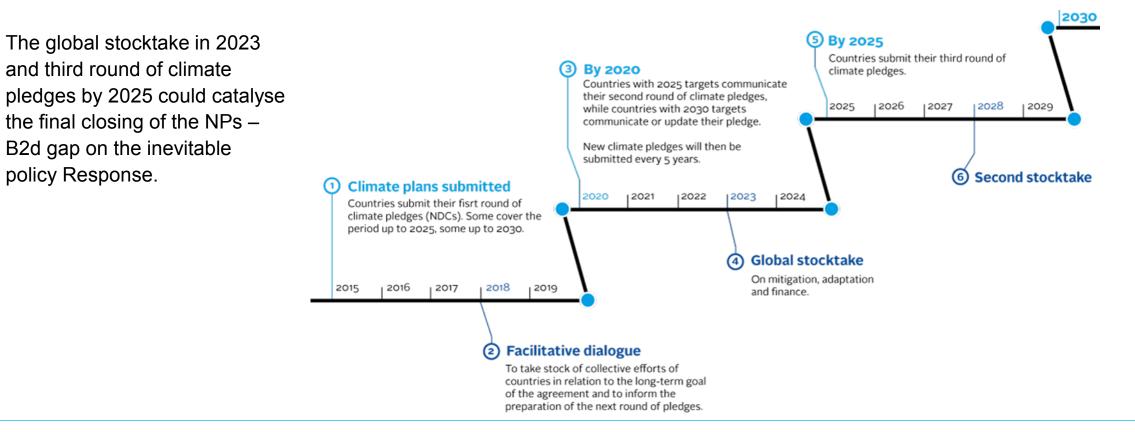




# **IPR: When? Paris 2025 pledges announced for 2030 Implementation**

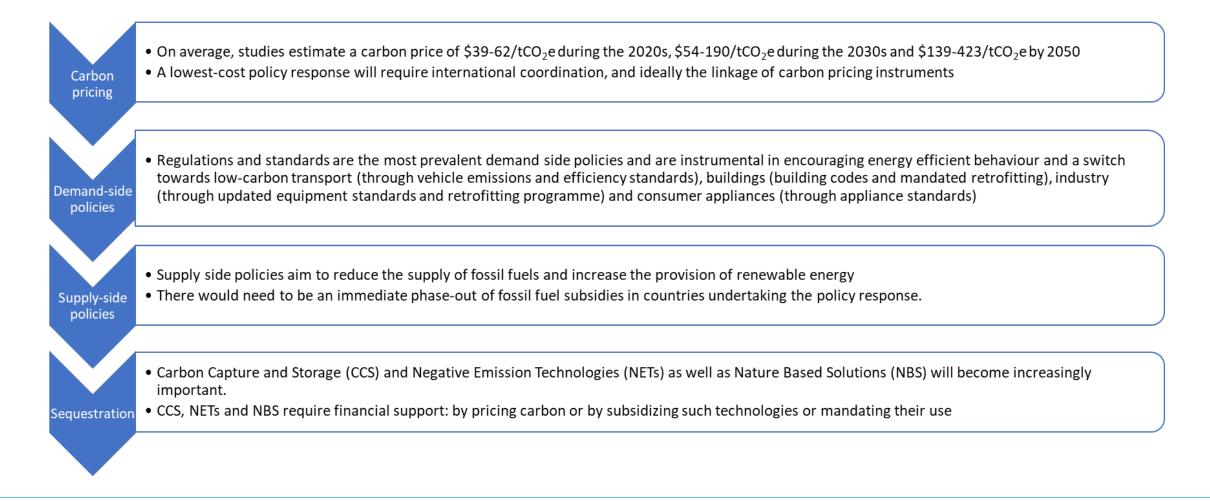
#### Timeline: How countries plan to raise the ambition of their climate pledges

The Paris "ratchet mechanisim" is designed to steadily increase ambition over time, ensuring that the world reaches net zero emissions in the second half of the century and keeps temperature rise "well below 2°C".





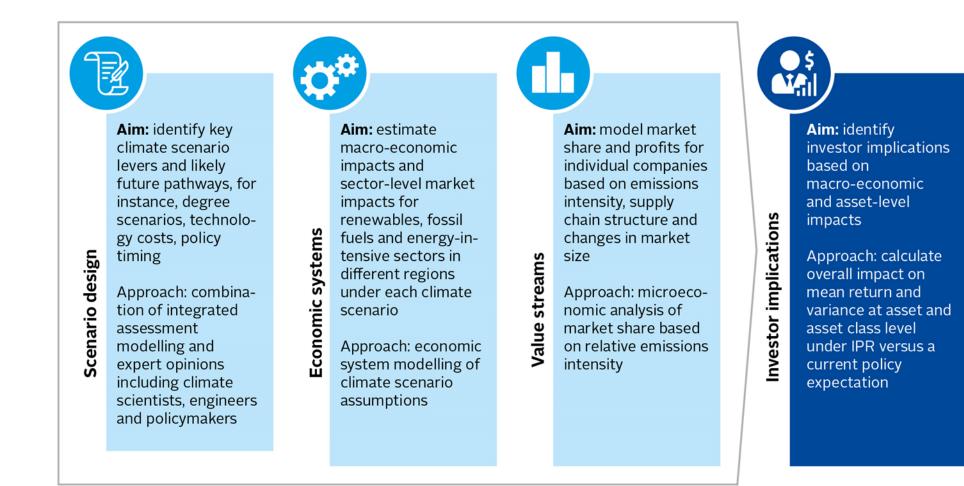
# IPR: What? Forceful policies are needed to limit global warming to well below 2°C (1.5-1.75C 50-66% probability)





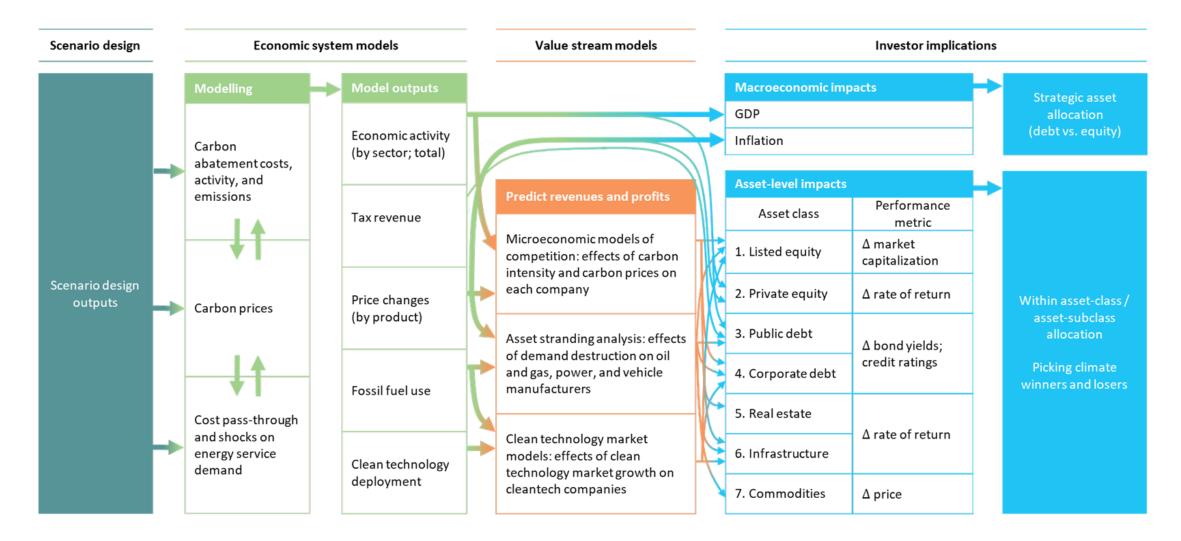


# **IPR: How? A combination of macro-economic, sector and micro-economic company scenario modelling...**



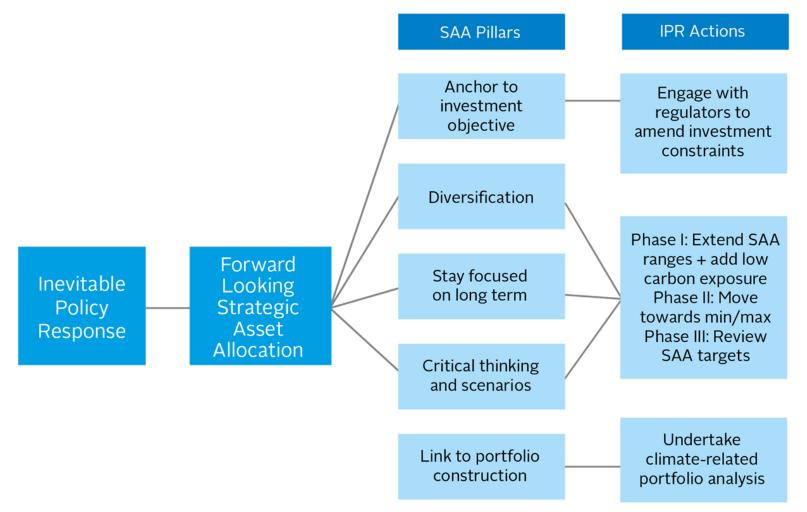


## ..Feeding into valuations and portfolios



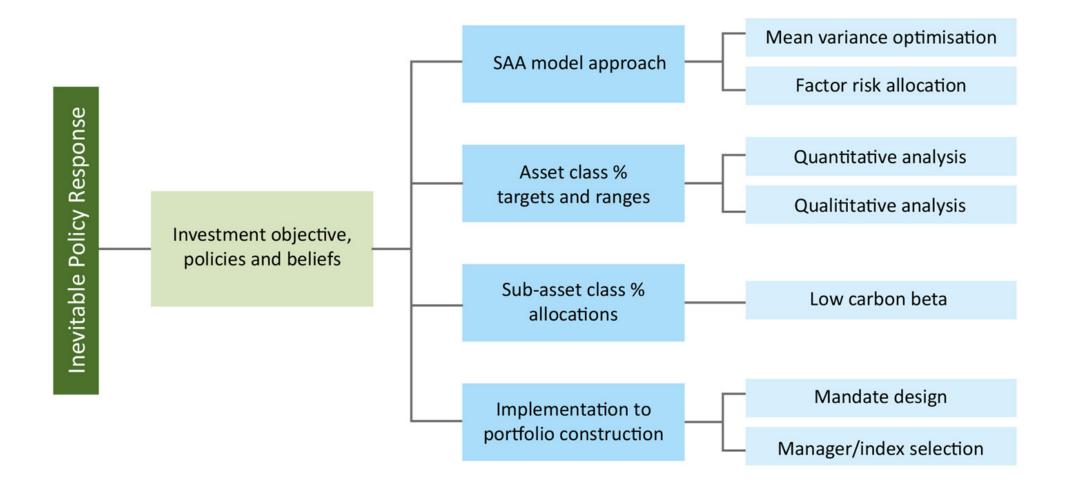


### **IPR: Strategic Asset Allocation and Portfolio Construction**





### **IPR: Strategic Asset Allocation and Portfolio Construction**







# **IPR: Investor Actions – Asset Owners will need to show leadership**

- Engage companies pre IPR to act now to reduce impact. Post IPR to get efficient outcomes
- Asset Owners Engage with key Service Providers pre IPR to get them focused on the risks and post IPR to be able to manage volatility and transition
- Engage with Policy Makers pre IPR to reinforce need for action and certainty. Post IPR with regulators to establish key changes to enable action
- Make Governance fit for purpose in IPR and engage Regulators in that context. Embed IPR in investor beliefs.
- Manage Portfolio risk ahead of IPR and full implementation post IPR including managing stranded assets.





# **IPR: Key Investor actions for Asset Owners to consider**

- Analyse internal behavioral barriers to IPR preparation
- Full preparation of an IPR plan
- Reviewing investment committee role on IPR
- Asking asset managers to respond via IPR product offering
- Analyse the benefits of bringing investment in-house to prepare for IPR
- Asking asset consultants to build capability and understanding of IPR
- Asking Credit Ratings agencies to reflect IPR in ratings
- Amend Service Provider mandates for IPR with new incentives
- Form collaborative leadership group to discuss AO role during IPR





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