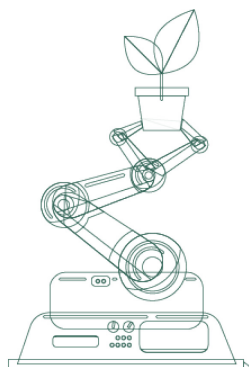




Sustainable Manufacturing

Why it matters & how to get started



MATURITY MATRIX for COSIRI:

Dimension overview – 4 building blocks and 24 dimensions

Sustainability maturity dimensions

1. Strategy and Risk Management		2. Sustainable Business Process				3. Technology	4. Organisation and Governance	
Strategy	Risk Management	Operation	Procurement	Supply Chain	Product lifecycle (circularity)	Clean technology	Talent readiness	Structure and management
Strategy & target setting	Physical climate risk	Green House Gas emissions	Supplier assessment	Transportation & distribution	Product design	Adoption	Workforce development	External communication and engagement
ESG integration	Transition climate risk	Resources (Water, Energy)						
Green Business Modelling	Compliance risk	Material Waste	Sustainable procurement process	Supply-chain planning	Circular process management	Transparency & Optimisation	Leadership involvement	Governance
Capital allocation	Reputation risk	Pollution (Air, Soil, Water)						

8 guiding principles that drive ESG for companies



LEVER

1 Sustainable Operations

Monitor and control environmental impact from operations across GHG, resources, waste and pollution

2 Sustainable Procurement

Develop the holistic process to select greener material and service providers

3 Sustainable Supply Chain

Transform the supply chain mode, asset planning and network design to decarbonise

4 Circular Product Lifecycle

Design and drive to increase the circularity potential of products

5 Clean Technologies

Adopt and scale up clean technologies to transform brownfield to greenfield and minimise the environmental impact

ENABLER

6 Sustainability Strategy (sustainability target and plan, integration of ESG principles and strategic decision,...)

7 Climate risk management (Physical climate risk, transition and compliance risk, reputation risk)

8 Organisation and governance (Talent for sustainability, leadership involvement, external reporting and collaboration)

COSIRI provides holistic coverage for Strategy & Risk, Process, Clean Technology and Organization & Governance



Strategy and risk management

How integrated is ESG in your business strategy and risk management practices?

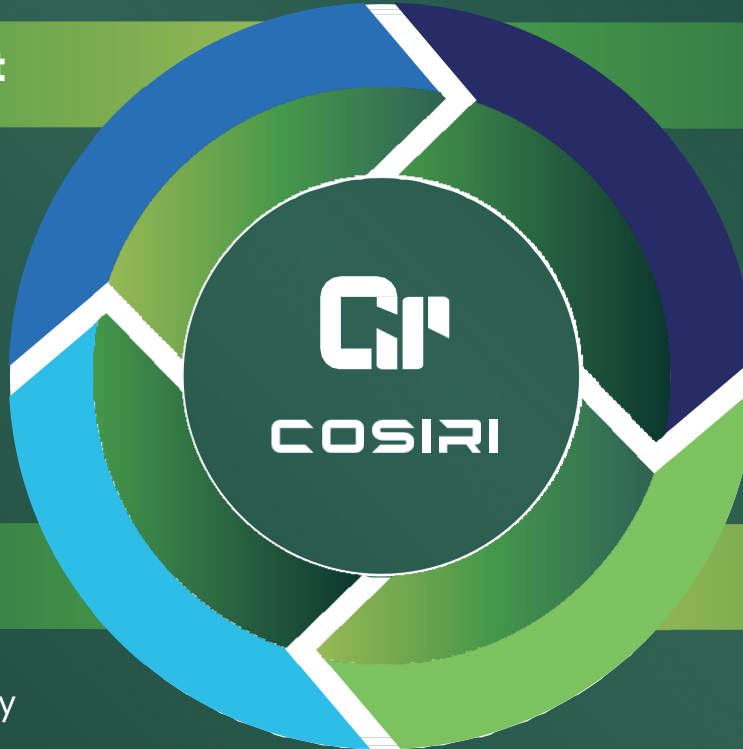
- ✓ Strategy
- ✓ Risk management



Organisation and Governance

How ready is your organisation in managing your company's sustainability transformation?

- ✓ Structure & management
- ✓ Talent readiness



Sustainable Business Process



How much are environmental outcomes a part of your business processes?

- ✓ Operations
- ✓ Procurement
- ✓ Supply chain
- ✓ Product lifecycle

Clean technology



What technology do you have in place to drive sustainability in your organisation? How is the technology connected?

Customising the transformation and create an individual transformation roadmap

T

Today's state (Assessment Matrix Score)

Develop an in-depth understanding of the company's current sustainability maturity level

I

Impact to GHG emission (GHG emission profile)

Identify themes with high GHG reduction potential based on the company's GHG emission profile

E

Essential business objectives (Sustainability business objectives)

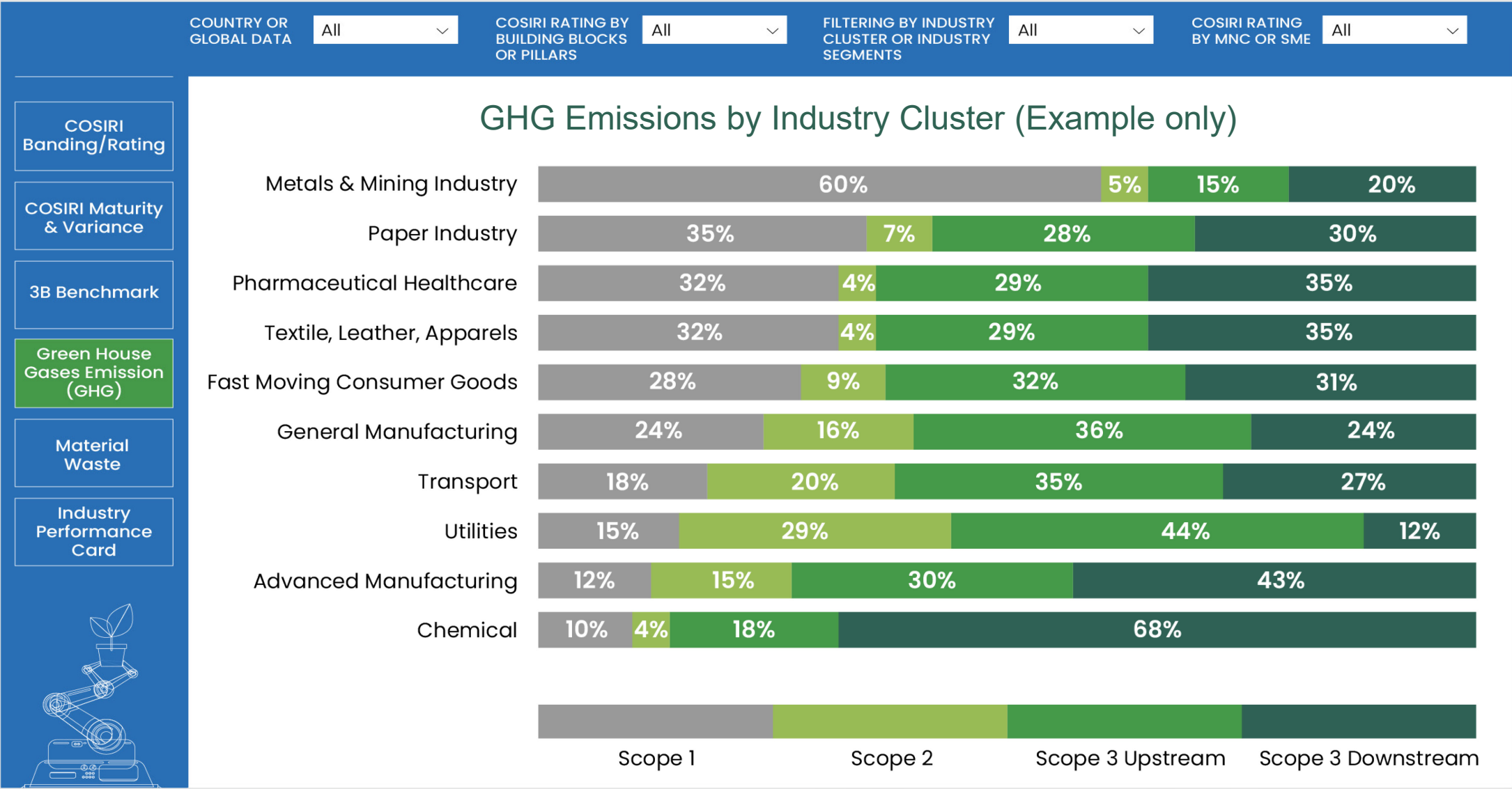
Determine the sustainability business objectives that are most critical to the company to guide the selection of relevant sustainability areas

R

References to the broader community (Best-in- class benchmark)

Learn from the leading sustainability practice of the broader manufacturing community

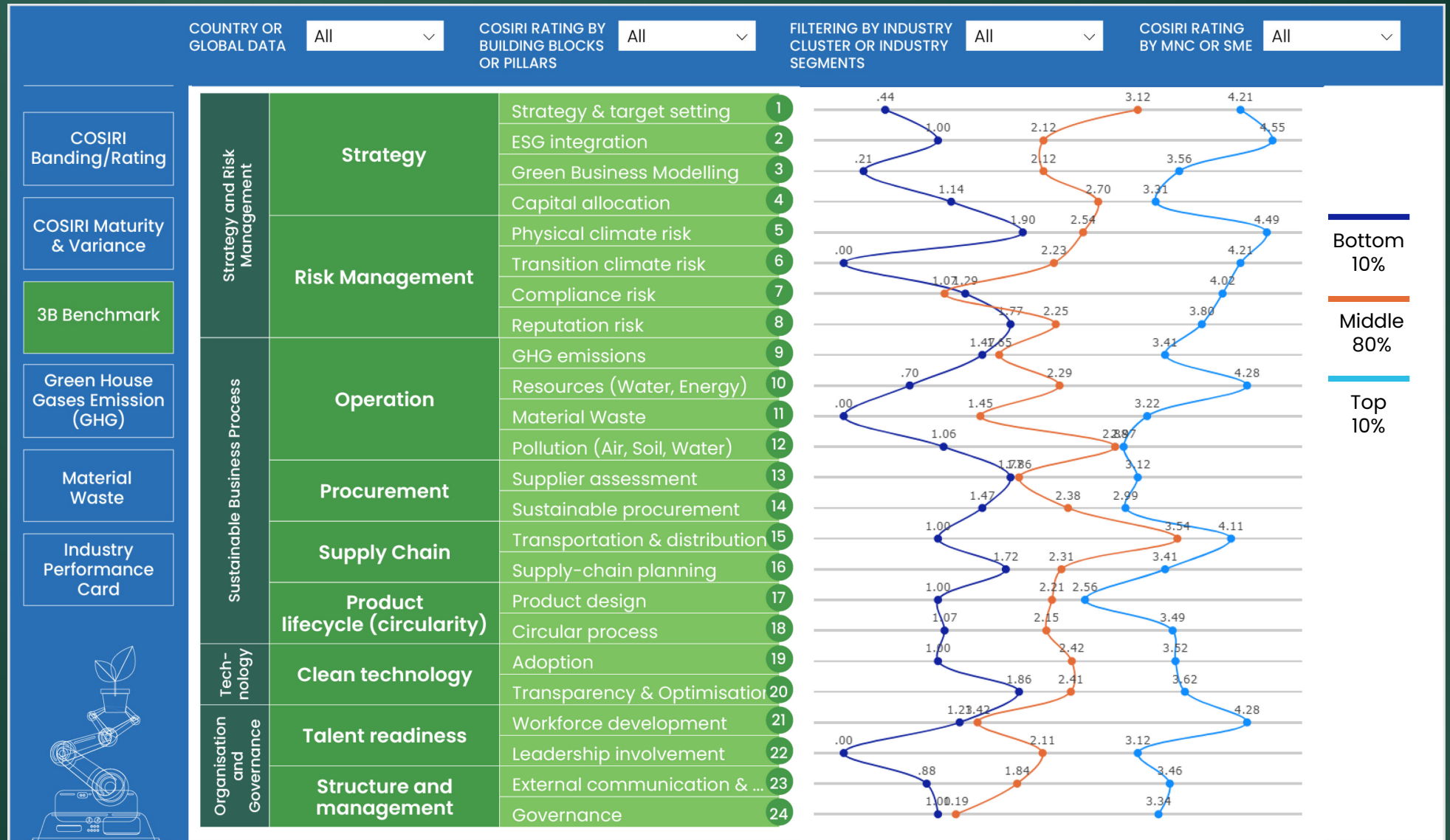
COSIRI GHG Emission Profile by Industry



3B Benchmark Dashboard

The dashboard presents COSIRI ratings, which evaluate companies across 24 dimensions using the 3B benchmarking framework.

By analyzing these ratings on a global scale, the dashboard provides insights into how companies rank relative to their peers across various dimensions.



Prioritised COSIRI Dimensions

Businesses cannot action all areas at once. The resource requirements, time, cost and sheer amount of actions would overwhelm any business.

COSIRI simplifies the actions by identifying 5 prioritised areas (4 highest impact +1 GHG specifically focused), providing a clear high impact start point for your sustainability journey.

Recommended Dimensions for Prioritisation				
Building block	Strategy & risk management	Sustainable business process	Technology	Organisation & governance
Highest impact value	Physical climate risk	Circularity process management	Adoption	External communication and engagement
GHGs focused	Product design			

Assessment Report



Report comprises:

- Score of each 24 dimensions
- Assessment notes for all 24 dimensions
- Best-in-Class comparison
- GHG Emission Profile
- Sustainability Business Objectives Rating
- Prioritization Matrix
- Recommendations for Improvement
- Star Emblem and Rating
- Star Emblem is valid for 2 years