



ESG & THE ROLE OF PROFESSIONALS



ESG Conclave organized by SIRC of The ICSI

25th May 2024

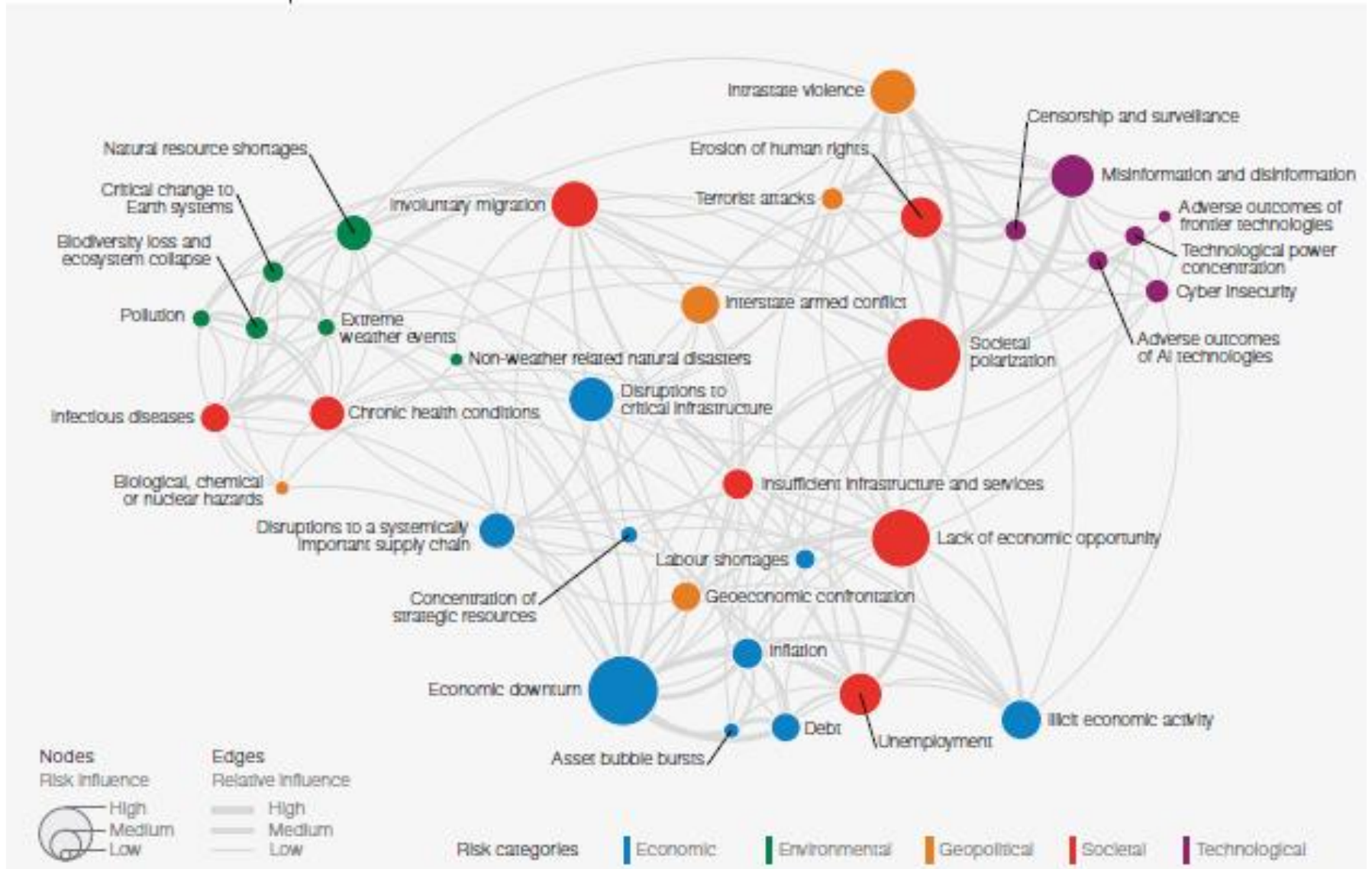
Manivannan R.Rajan,

Comtec Management Consultants, Chennai

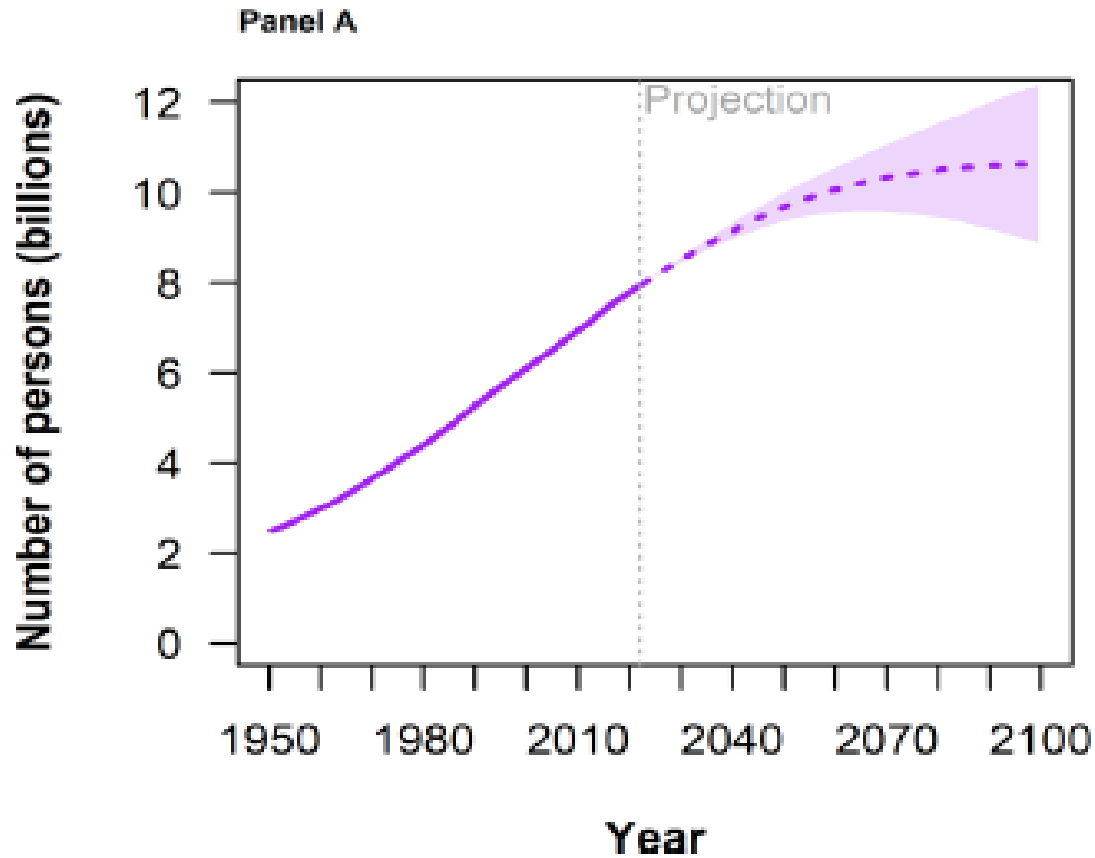
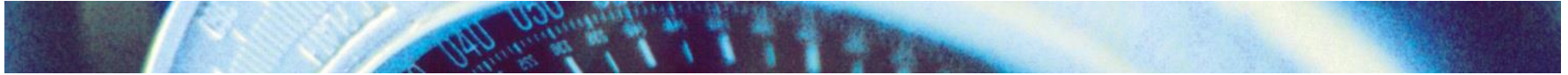
The Global Risks Landscape 2024

World Economic Forum, Jan.2024

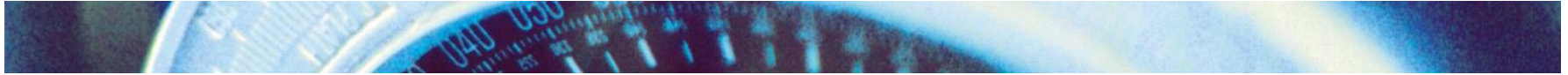
FIGURE D | Global risks landscape: an interconnections map



Global Population Size



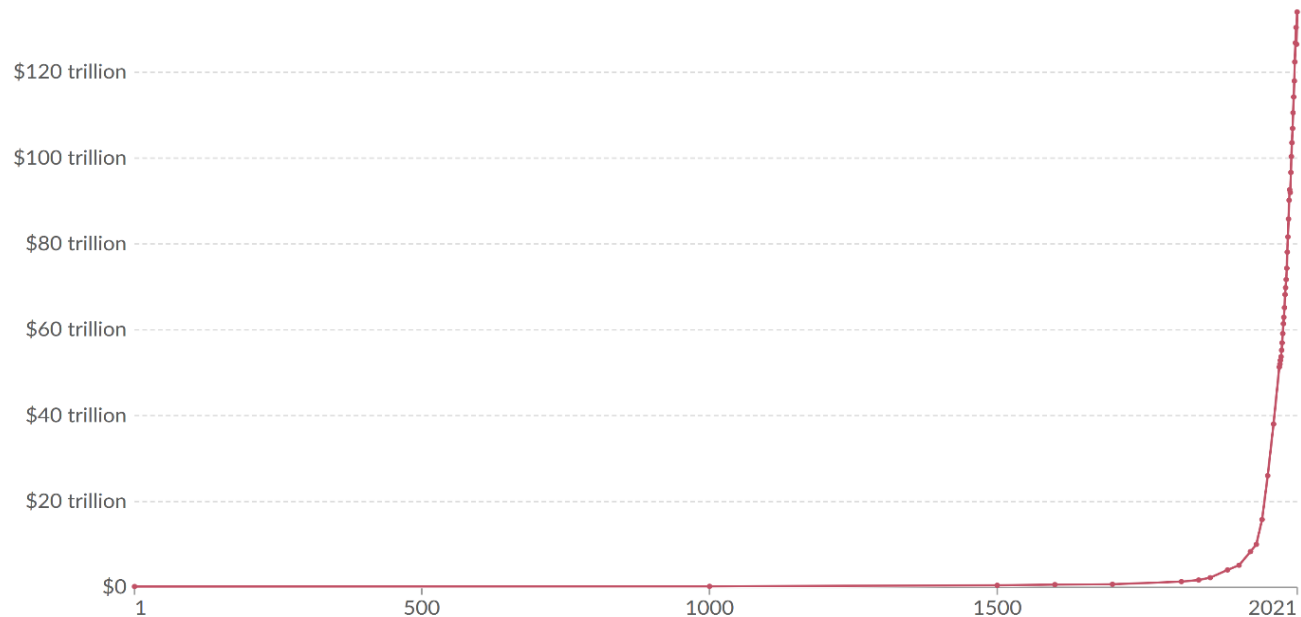
Global Economic Growth



Global GDP over the long run

Our World
in Data

Total output of the world economy. These historical estimates of GDP are adjusted for inflation.



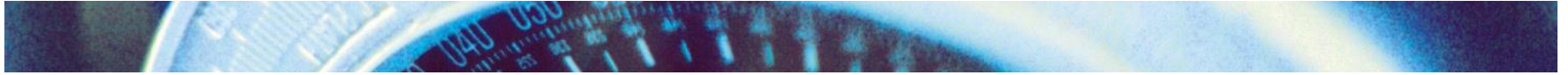
Data source: World Bank (2023); Maddison Project Database 2020 (Bolt and van Zanden, 2020); Maddison Database 2010 (Maddison, 2009)

Note: This data is expressed in international-\$¹ at 2017 prices.

OurWorldInData.org/economic-growth | CC BY

1. International dollars: International dollars are a hypothetical currency that is used to make meaningful comparisons of monetary indicators of living standards. Figures expressed in international dollars are adjusted for inflation within countries over time, and for differences in the cost of living between countries. The goal of such adjustments is to provide a unit whose purchasing power is held fixed over time and across countries, such that one international dollar can buy the same quantity and quality of goods and services no matter where or when it is spent. Read more in our article: [What are Purchasing Power Parity adjustments and why do we need them?](#)

India became the world's most populous country in 2023



GLOBAL AWARENESS



Global
Warming



Toxic Waste



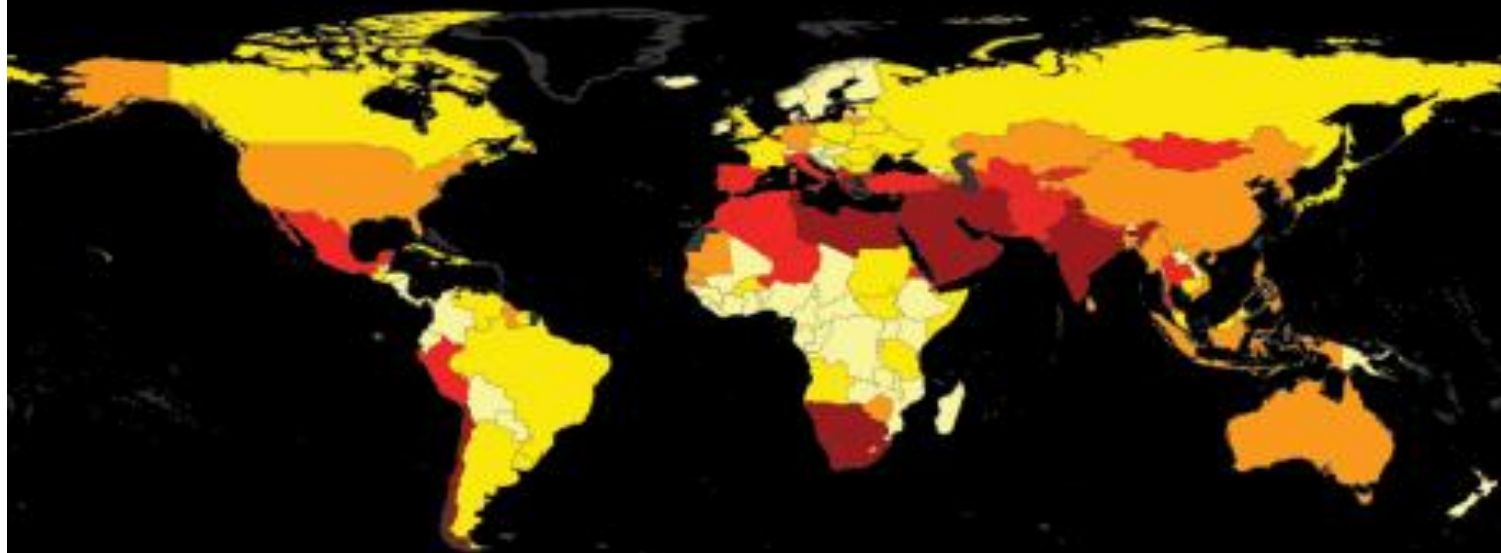
Pollution

India under Extremely High Water Stress

(WRI 16.08.2023)

25 COUNTRIES ARE CURRENTLY EXPOSED TO EXTREMELY HIGH WATER STRESS ANNUALLY

BASELINE WATER STRESS

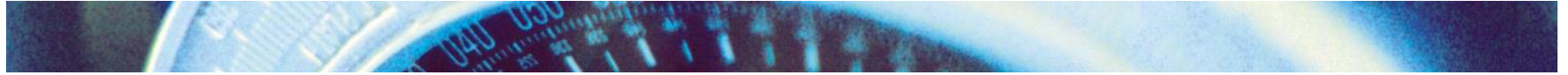


Source: wri.org/aqueduct

 AQUEDUCT

 WORLD RESOURCES INSTITUTE

The Solution: Sustainable Development



- *“Development that meets the needs of the present without compromising the ability of future generations to meet their own needs”. – WCED, 1987*



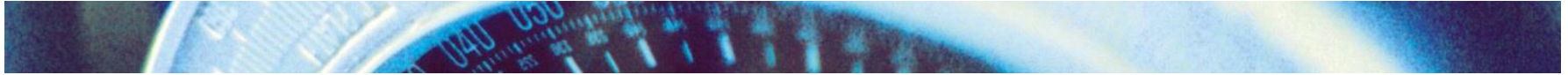
- Besides Economic, embrace **ESG (Environmental, Social and Governance)** as a comprehensive and holistic framework to drive change, transformation!

Key ESG Aspects in most Industries



Opportunities and Challenges	CO ₂ Emissions
Energy & Fuels Management	Other Emissions (NO _x , SO _x , Dust, Noise)
Circularity & Resource Management	Sustainable Products & Solutions
Climate Change Resilience and Adaptation	Responsible Water Use
Biodiversity	Occupational Health & Safety
Human Capital	Diversity, Equity and Inclusion
Community Engagement	Human Rights
Ethical Business Conduct	Innovation & Technology
Customer Satisfaction & Engagement	Digital Transformation
Responsible Sourcing	Business Excellence
Risk Management	Corporate Governance
Transparency & Disclosure	Financial performance

Functions Involved



Governance	Quality Assurance
Business Ethics	CSR
Legal Compliance	Marketing
Risk Management	Operations – Production, Maintenance
External Reporting – Secretarial	R & D, New Product Development
Corporate Communications	Finance
Human Resources	Environmental Management
Occupational Health & Safety	Supply Chain Management – Procurement, Stores and Warehousing, and Logistics
Information Technology	Security
Advocacy	Public / External Relations

Role of Professionals in Managing ESG

Scientists	Research and Analysis, Climate Science, Developing New solutions and Sustainable Products & Solutions
Engineers & Technologists	Clean Energy, Sustainable mobility, Implementing Scientific solutions on scale. Producing Sustainable Products & Solutions
Finance professionals	Financing sustainable transition, Financial performance
Secretarial	Legal compliance, Risk management, Corporate governance, Disclosures, Ethical Business Conduct
Cost Management	Resource Conservation, Costing of resources and activities
Human Resources	Human Capital, Diversity, Equity and Inclusion, Human Rights
CSR Professionals	Community Engagement
IT Professionals	Information Technology, Cyber security, Digital Transformation
Marketing	Customer Satisfaction and Engagement, Brand management
Supply Chain	Responsible Sourcing, Value chain partners