

# The GII Partners

## Preface

### **Soumitra Dutta and Bruno Lanvin**

Co-editors of the  
*Global Innovation Index*  
Co-founders of the  
Portulans Institute



The 2023 edition of the Global Innovation Index (GII) amplifies the narrative begun in the preceding 2022 report, diving deeper into the future of innovation-driven growth and the influence of frontier technologies on productivity. As we write this preface, the world is in a state of uncertainty marked by significant events, such as the remnants of the global pandemic, the armed conflict in Ukraine, economic volatility and the meteoric rise of transformative technologies like AI.

Amidst these challenges, we find ourselves reflecting on a crucial question: “Is our long-term vision at risk?” Present circumstances might tempt us into focusing resources on areas that promise immediate returns, such as energy and AI. However, drawing on a global network of partners, the GII underscores the necessity of continuing to endorse a wider lens on innovation, one that fosters greater international collaboration instead of narrow innovation endeavors. A retreat from such global cooperation could foster a competitive environment that prioritizes individual gains, obstructs collective problem-solving, widens disparities and hampers universal growth. In contrast, strong international collaboration, evidenced by our diverse and inclusive network, promotes a pooling of resources, knowledge and expertise for the general good.

In the midst of this complex global landscape, we remain steadfast in our belief in the immense value of precise data and comprehensive measurements – the foundation upon which the GII is built. Understanding the societal and economic implications of our actions equips us with the insights needed to make informed decisions. A commitment to consistent, long-term strategies over sporadic actions is vital on this uncertain journey. This is precisely where the GII delivers immense value. The GII is not simply a measuring tool; it is a key instrument that empowers stakeholders across public and private sectors by allowing them to gauge the impact of their policies and strategies, thereby enabling informed decision-making to drive and enhance shared progress.

Published by the World Intellectual Property Organization (WIPO) in partnership with the Portulans Institute, the GII is widely regarded as an authoritative and trusted indicator of global innovation. Throughout this important journey, we have been grateful for the unwavering support of our Corporate Network partners, namely, the Brazilian National Confederation of Industry (CNI, Brazil) and the Confederation of Indian Industry (CII, India), as well as our Academic Network partners. This global network, comprising organizations drawn from 13 countries, enriches the GII annual report with valuable insights from both industry and academia, enabling us to cultivate a holistic vision of innovation occurring at all levels.

As co-editors of the GII, we are profoundly appreciative of WIPO and its dedicated team of professionals, guided foremost by the efforts of Director General Daren Tang and Assistant Director General Marco Alemán. Since 2021, their unwavering dedication and meticulous leadership have honed the GII into the trusted tool that it is today.

## Corporate network

**Chandrajit Banerjee**, Director General, Confederation of Indian Industry (CII)

### Advancing innovative, inclusive and collaborative growth

Technology and innovation are powerful drivers of economic growth. R&D investments are critical in supporting innovation. But it is also essential that we harness the cumulative strengths of the global innovation ecosystem, in order to nurture opportunities for social development and enhance creative, inclusive and collaborative growth.



2023 is a momentous year for India. It not only marks 75 years of Independence, but also the country's G20 Presidency, when for the first time it will convene the G20 Leaders' Summit. During its Presidency, India aspires to promote universal collaboration under the theme "Vasudhaiva Kutumbakam," that is, "One Earth · One Family · One Future." The Confederation of Indian Industry (CII) has been designated as the B20 India Secretariat, the G20 business engagement group. The theme for B20 India is RAISE, which stands for responsible, accelerated, innovative, sustainable, equitable businesses. Under this banner, the CII is working toward nurturing innovation as a movement, not only across India but around the globe, instilling innovative business practices through a heightened focus on technological development, R&D, automation and artificial intelligence, digital transformation and data-enabled business models for greater efficiency and competitiveness.

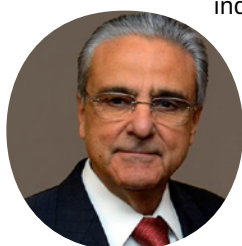
The WIPO Global Innovation Index (GII) is a key enabler of this growth narrative. The GII captures the innovation capabilities of 132 economies worldwide, and over the years, has evolved into an invaluable benchmarking tool encouraging nations to leverage innovation for economic prosperity and social development. Over time, too, India has been consistently enhancing its innovation performance, and fostering continued improvement in its knowledge inputs and outputs. A founding knowledge partner of the GII, the CII is proud to be an integral part of India's inspiring journey toward becoming an innovation-driven knowledge economy.

I congratulate the team responsible for this the 2023 edition of the GII, which continues to serve as an important guide for exploring the multi-dimensional layers of innovation driving inclusive and collaborative growth around the globe.

**Robson Braga de Andrade**, President, Brazilian National Confederation of Industry (CNI)

### Innovation-driven growth and the importance of effective public policies

Effective innovation policies can only be designed with the aid of solid economic, scientific and social indicators. Entrepreneurial Mobilization for Innovation (MEI), coordinated by the Brazilian National Confederation of Industry (CNI), is a group of approximately 500 business leaders promoting Brazil's innovation agenda, working in close partnership with academia and government institutions. Over the past 15 years, MEI has supported companies and government with information and policy proposals aimed at increasing funding and modernizing the regulatory framework for science, technology and innovation (STI) in Brazil.



Brazil's position in the Global Innovation Index (GII) has improved over recent years, moving up from 62<sup>nd</sup> in 2020 to rank 54<sup>th</sup> in 2022. Nevertheless, Brazil has much untapped potential for further improving its innovation ecosystem. In 2021, Brazil ranked 14<sup>th</sup> for scientific production. Despite such a positive showing, Brazil's R&D investment accounted for just 1.14 percent of GDP in 2020, whereas leading economies normally invest over 3 percent of GDP in R&D.

To achieve the goal of better integrating its scientific and business sectors, and consequently promoting greater innovation, Brazil requires public policies that are modern and up-to-date. The GII has a critical role to play in understanding Brazil's strengths and weaknesses in each and every STI dimension. An analysis of the country's performance and the evolution of its GII indicators over time ought to be the starting point for a revision of Brazil's STI policy and long-term strategy. The GII's business-related indicators, for instance, are a useful guide for companies defining innovation strategies. The CNI and MEI are aware of the importance of measuring innovation for enabling effective policies, achieving solid performance in STI activities, and promoting social and economic development. For this reason, our continued partnership with the GII is a valuable asset for the Brazilian innovation ecosystem and one to be celebrated.

## Corporate Network partners

For the last 15 years, Corporate Network partners have actively supported the GII. Comprising firms, private sector entities and industry associations, they have been at the forefront of innovation and competitiveness within their respective nations and regions. Corporate Network partners support the Portulans Institute and are an invaluable source of information enabling the GII to measure the heartbeat of innovation across each and every one of the world's sectors and regions.

As of 2023, the GII Corporate Network comprises the Confederation of Indian Industry (the longest-standing corporate partner since 2008) and the Brazilian National Confederation of Industry (a partner since 2017).

### **Brazilian National Confederation of Industry (CNI)**

Robson Braga de Andrade, President; Gianna Sagazio, Innovation Director; Tatiana Farah de Mello Cauville, Innovation Executive Manager; Marcos Arcuri, Industrial Development Specialist.

### **Confederation of Indian Industry (CII)**

Chandrajit Banerjee, Director General; S. Raghupathy, Principal Adviser; Ashish Mohan, Executive Director, Technology, Innovation, R&D and IPR; Namita Bahl, Director, Technology, Innovation and R&D; Divya Arya, Deputy Director, Technology, Innovation and R&D.



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## Academic Network partners

Created in 2011, the GII Academic Network involves top universities, their students and academic staff in GII research and facilitates the dissemination of GII findings within the academic community. The Portulans Institute hosts the network, which currently includes 12 universities actively promoting discourse and encouraging initiatives related to innovation. We express appreciation to all partners in the Academic Network for their invaluable assistance.

**Brazil: University of São Paulo (USP),** School of Economics, Management, Accounting and Actuarial Sciences; Moacir de Miranda Oliveira Júnior, Full Professor, Business Administration Department

**China: Peking University,** Office of Science and Technology Development; Weihao Yao, Director

**Colombia: Universidad de los Andes,** School of Management; Veneta Stefanova Andonova Zuleta, Dean, and Carolina Dávila Aranda, International Office Director

**Egypt: The American University in Cairo (AUC),** School of Business; Sherif Kamel, Dean, and Nagla Rizk, Professor and Director, Access to Knowledge for Development Center

**France: Institut Européen d'Administration des Affaires (INSEAD);** Bruno Lanvin, Distinguished Fellow

**Mexico: Tecnológico de Monterrey,** EGADE Business School; Osmar Zavaleta-Vázquez, Associate Dean of Research, and José Ernesto Amorós, Professor and Research Group Leader, Entrepreneurship & Innovation

**Nigeria: Lagos Business School Pan-Atlantic University (LBS);** Chris Ogbechie, Dean, and Olayinka David-West, Associate Dean

**Russian Federation: National Research University Higher School of Economics (HSE University),** Institute for Statistical Studies and Economics of Knowledge; Leonid Gokhberg, First Vice-Rector and Director

**South Africa: University of Johannesburg, College of Business and Economics;** Erika Kraemer-Mbula, Professor of Economics

**United Kingdom: University of Oxford, Saïd Business School;** Soumitra Dutta, Dean

**United States of America: Cornell SC Johnson College of Business;** Ravi Kanbur, Professor, Charles H. Dyson School of Applied Economics and Management

**Viet Nam: VinUniversity;** Rohit Verma, Founding Provost

