

EVENTS & ENGAGEMENTS

India Joins Global Leaders in Measuring Digital Economy with New ICRIER Report

January 22, 2024 | New Delhi

"Estimation and Measurement of India's Digital Economy"—a report prepared by ICRIER for the Ministry of Electronics and Information Technology (MeitY) —was launched by Secretary, MoSPI; S. Krishnan, Secretary, MeitY; Dr. V. Anantha Nageswaran, Chief Economic Adviser; Dr. Saurabh Garg, K. K. Singh, Joint Secretary, MeitY; Deepak Mishra, Director & CE, ICRIER; and Mansi Kedia, Senior Fellow, ICRIER. This report positions India among a select group of nations that measure the seize of their digital economies using the OECD-proposed global framework.



Release of the Report "Making India the Global Hub for Turmeric"

January 15, 2024 | New Delhi

A day after the launch of the National Turmeric Board, ICRIER and Amway India Enterprises Private Limited unveiled their joint report, **Making India the Global Hub for Turmeric**. The report addresses challenges faced by turmeric farmers and outlines a roadmap to strengthen India's global presence in turmeric production and exports. It was released by Ramesh Chand, Member, NITI Aayog; Deepak Mishra, Director & CE, ICRIER; Rajneesh Chopra, MD, Amway; and ICRIER's team of authors, including Arpita Mukherjee, Eshana M., Souvik Dutta, Ketaki Gaikwad, Nandini Sen, and Trishali Khanna.





Round Table Discussion: Carbon Economy for Indian Agriculture

January 13, 2025 | Online

The 29th Conference of the Parties (CoP 29) to the UNFCCC, held in Baku, Azerbaijan (Nov 11-22, 2024), adopted decisions on Articles 6.2 and 6.4 of the Paris Agreement, setting standards for carbon credit trading to meet climate targets. On January 13, 2025, a roundtable titled "Carbon Markets for Farmers in India – Policy & Regulatory Implications" explored challenges and frameworks for a voluntary carbon market in regenerative agriculture. The session featured presentations from Grow-Indigo and ICRIER (by Reena Singh).

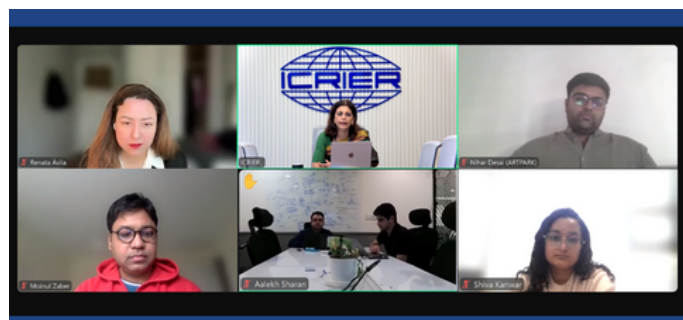
AI | Markets | Competition: Webinar Series



Competition policy choices in generative AI

January 13, 2025 | Online

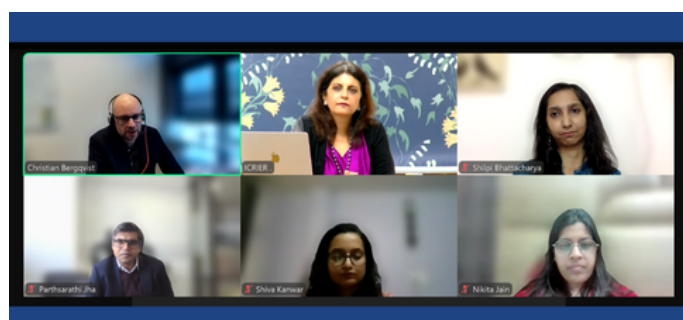
The AI.Markets.Competition – International Dialogues webinar by IPCIDE featured Professor Diane Coyle, Bennett Professor of Public Policy at Cambridge. She discussed competition policy choices in generative AI and its impact on markets. Hosted by Payal Malik, the session was part of a multi-session series exploring AI's evolving role in competition and economics.



The Role of Open Data in Artificial Intelligence and Competition Policy

January 23, 2025 | Online

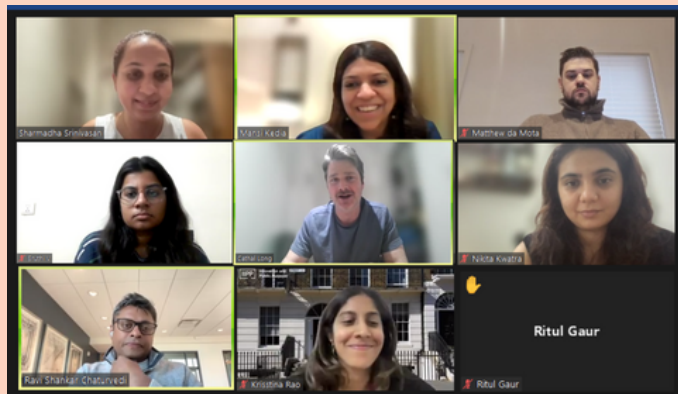
The session featuring Renata Avila, a distinguished international human rights lawyer and technology expert, explored the role of open data frameworks in shaping power dynamics and fostering competition in AI. Key discussions included the influence of dataset access on market participation, financial barriers in acquiring large datasets, and the potential of data commons in democratizing AI innovation.



The Risk of AI Collusion

January 29, 2025 | Online

The session featured Professor Christian Bergqvist from the University of Copenhagen, a leading authority on competition law and emerging technologies. He explored the risks of AI collusion and presented his paper, "Finding the Ghost in the Shell: EU and US Antitrust Enforcement of AI Collusion." The discussion was moderated by Payal Malik, Visiting Professor at ICRIER.



DPI4D 5: The DPI Academy: Building Capacity for DPI

January 24, 2025 | Online

The session explored DPI Academy, an initiative by Artha Global and eGov Foundation to enhance DPI capacity in India. It highlighted the Academy's threefold approach—Knowledge, Capacity, and Community—and its training formats. Discussions focused on engaging senior civil servants, tailoring content for all administrative levels, and scaling impact through sectoral workshops, partnerships, and policy tools. The need for a strong alumni network for sustained engagement was also emphasized.

FIELD VISITS

Strengthening India's EV Battery Recycling Ecosystem: Insights from Mumbai

Climate Change, Urbanisation and Sustainability (CCUS)

Batteries are central to India's electric mobility transition, but their end-of-life waste poses a growing challenge. To assess industry preparedness, ICRIER's CCUS team has been engaging with stakeholders across India, including recent visits to Mumbai—one of the states with the highest EV population density.

Key insights reveal that while most manufacturers use Nickel Manganese Cobalt (NMC) and Lithium Iron Phosphate (LFP) batteries, some are exploring alternative chemistries with longer life cycles, though policy challenges remain. Encouragingly, EV and battery manufacturers are collaborating with recyclers, but streamlined regulations and business-friendly policies are needed to strengthen India's battery recycling ecosystem.



PUBLICATIONS RELEASED



AI in School Education: Towards a Preparedness Framework

Author(s): A. Damodaran and Shiva Kanwar

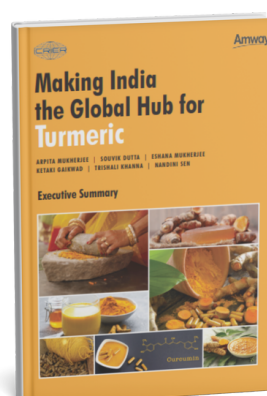
This policy brief examines AI integration in Indian education, highlighting benefits like personalized learning and efficiency while addressing challenges such as access gaps, teacher training, and ethical concerns. It reviews key policies, including the National Education Policy (2020), and proposes a framework for AI preparedness in schools. Insights are drawn from the IPCIDE Conference (Sept 2023) at India Habitat Centre, New Delhi.



AI Markets and Competition in India

Author(s): Payal Malik, Nikita Jain, Shiva Kanwar, Bhargavee Das and Saloni Dhadwal

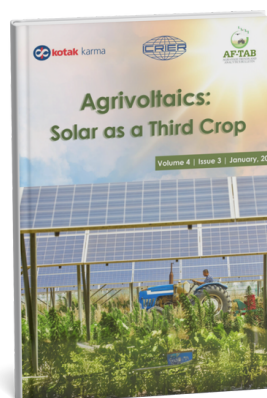
This report examines India's evolving AI market, addressing policy and regulatory challenges in fostering a competitive AI ecosystem. It explores market dynamics, the AI technology stack, and the role of cloud providers, open-source models, and global partnerships. Key recommendations include promoting interoperability, improving data governance, and leveraging public-private collaborations. The report also highlights India's push for technological sovereignty through the IndiaAI Mission and indigenous AI investments.



Making India the Global Hub for Turmeric

Author(s): Arpita Mukherjee, Souvik Dutta, Eshana Mukherjee, Ketaki Gaikwad, Trishali Khanna and Nandini Sen

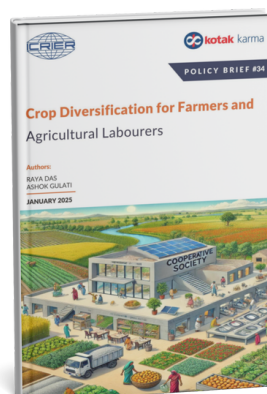
Turmeric, valued for its medicinal and culinary uses, plays a key role in Indian culture and Ayurveda. The market, worth USD 58.2 million in 2020, is growing at a 16.1% CAGR, driven by rising demand for curcumin. In 2023, global turmeric trade reached USD 587 million, with exports at USD 320 million—up 13.56% since 2017. This report creates a roadmap for the government to leverage the growing demand for turmeric and promote it as a profitable crop for farmers.



Agrivoltaics: Solar as a Third Crop

Author(s): Ashok Gulati, Subhodeep Basu, Laxmi Sharma, Bidisha Banerjee and Soham Roy

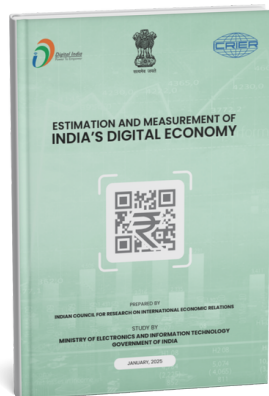
India faces rising food demand, climate-vulnerable agriculture, and a growing need for renewable energy. While a solar power leader, its focus has been on large-scale farms, leaving agrivoltaics an untapped opportunity. Early projects show that merging solar power with farming can boost rural economies and water efficiency. This article traces agrivoltaics from its 1980s origins to its role in sustainable land use and energy generation. It also explores policy support and financial mechanisms to accelerate agrivoltaic adoption in India.



Crop Diversification for Farmers and Agricultural Labourers

Author(s): Raya Das and Ashok Gulati

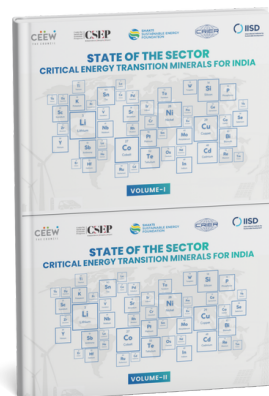
While agriculture's share in GDP declines, its workforce share has risen to 46% since 2019-20, depressing real wage growth (-0.03% from FY19-FY24). Horticulture and animal husbandry show promise, but broader income growth needs better marketing and rural job creation. Data shows farmers earn more through cooperatives and FPCs than local traders. The success of Sahyadri FPC underscores the need for 10,000 similar models to strengthen value chains, boost farmer incomes, and drive inclusive economic growth.



Estimation and Measurement of India's Digital Economy

Author(s): Deepak Mishra, Mansi Kedia, Aarti Reddy, Cledwyn Fernandez, Sanjana Shukla, Krithika Ramnath and Sruthi Vanguri

Using the methodology developed by the Organisation for Economic Co-operation and Development (OECD), the report makes three important observations: (i) India's digital economy stood at 11.7% of the national income in 2022-23 and is likely to rise to 13.4% by 2024-25; (ii) In 2022-23, the digital economy accounted for 14.7 million workers, or 2.6% of India's estimated work force; and (iii) India's digital economy is expected to contribute to nearly one-fifth of national income by 2030.



State of the Sector: Critical Energy Transition Minerals for India. Vol. I. & II.

Author(s): Amrita Goldar, Rajesh Chadha, Siddharth Goel and Rishabh Jain

The report is a collaborative effort between ICRIER, CEEW, CSEP, IISD, and Shakti Sustainable Energy Foundation. As India aims to become a global leader in clean energy, securing a sustainable, resilient supply of CETMs will be pivotal. The report (Volume I and Volume II) highlights key areas for advancing this vision: 1. Recycling & Circularity – Creating closed-loop systems to minimize reliance on primary mineral resources while driving innovation in material efficiency. 2. Market Finance – Strengthening financial mechanisms to unlock investments for the development of critical mineral exploration, processing, and infrastructure. 3. ESG Standards – Embedding world-class environmental and social governance practices to ensure responsible mining, uphold human rights, and foster sustainability in the supply chain.



E-commerce in Trade Agreements: India's Strategies and Options

Author(s): Arpita Mukherjee, Pritam Banerjee and Aahana Srishti

The e-commerce sector is growing rapidly, with the Asia-Pacific region leading the way. While global trade discussions on e-commerce began in 1998, slow progress led to the formation of the Joint Statement Initiative (JSI) in 2019. On July 26, 2024, 80 countries reached a consensus on trade rules, but India remains outside the JSI, opposing a permanent moratorium on customs duties. This paper analyzes India's position in global e-commerce negotiations, its trade agreements, and the impact of the moratorium on revenue. It also explores alternative digital taxation strategies and provides a roadmap for India's engagement in global trade talks.

WHAT'S BREWING @ICRIER





Report Launch

State of India's Digital Economy 2025





COMING SOON

Register Now >>

28th February 2025 | 10:30 AM - 1:30 PM | Indian Habitat Centre, Delhi

State of India's Digital Economy 2025

The ICRIER-Prosus Centre (IPCIDE) is gearing up for the third annual international conference and launching of their flagship report, State of India's Digital Economy (SIDE) 2025. The event will feature participation from policymaker, industry representatives and academicians, informing and shaping India's digital future. The event is both hybrid and in-person. The event is both hybrid and in-person. To attend, [click here to register](#)

OPINION COLUMNS

 **The Indian EXPRESS**

A 2025 wishlist for farms and farmers

Author: Ashok Gulati | Jan 06, 2025

Ashok Gulati writes: Why MSP should not be legalised

Author: Ashok Gulati | Jan 10, 2025

 **the pioneer**

The future of turmeric exports: India's path to securing global market dominance

Author(s): Arpita Mukherjee | Jan 13, 2025



Hindustan Times

AI in school education: Towards a preparedness framework

Author(s): A. Damodaran, Shiva Kanwar | Jan 13, 2025

Address Vit D deficiency

Author(s): Arpita Mukherjee, Aashish Chaudhry and Trishali Khanna | Jan 23, 2025

What do women want from the Budget?

Author: Shabana Mitra | Jan 28, 2025

Sustainable nitrogen management in agriculture

Author: Sachchida Nand | Jan 31, 2025

 **THE ECONOMIC TIMES**

Unlocking India's pharma potential: Why India needs to join a 56-member global regulators association

Author(s): Nisha Taneja and Nirlipta Rath | Jan 08, 2025

Business Standard

A piece of my mind: Budget should target 4% fiscal deficit, trade pacts

Author: Shankar Acharya | Jan 16, 2025

 **FINANCIAL EXPRESS**
Read to Lead

A Power distribution poser

Author: Somit Dasgupta | Jan 09, 2025

The reform and welfare India needs

Author: Ashok Gulati | Jan 20, 2025

MEET THE TEAM



Shiva Kanwar, Fellow

Digital Economy Startups and Innovation (DESI), ICRIER

Shiva is a lawyer by training who specialises in digital technology policy, internet governance, and digital equity. As a Fellow at ICRIER, she focuses on contemporary issues in digital policy including AI and emerging technologies, digital public infrastructure, data protection, and the digital economy. Her earlier roles include Policy Analyst positions at the Centre for Development of Advanced Computing (CDAC) and the National Internet Exchange of India (NIXI), where she was deputed at the Ministry of Electronics and Information Technology (MeitY). She has also been actively involved in organizing and participating in the India Internet Governance Forum, a national initiative of the UN Internet Governance Forum, since its inception.