

October 2023



**Director's Message**

This issue of *ISIDNEWS* summarises the activities of the Institute during July-September 2023. These include a Policy Roundtable on MNC R&D Centres in India, organized by ISID in collaboration with the Pune-based Centre for Technology, Innovation, and Economic Research (CTIER).

Research seminars organized in the quarter include *Unlocking India's Regional Potential for Development; An Indian Green Deal: Greening our way out of the Pandemic; Garments Industry: Simultaneously Addressing Environmental and Social Crisis; Digitalization of Indian Cities: Regional Variations; and Adoption of Industry 4.0 Technologies in India's Start-up Ecosystem.*

It also reports on a new research project launched by ISID on Make-in-India; and on new ISID publications, popular writings and other outreach activities by the faculty members.

As the premier national think-tank focused on industry, ISID is gearing up to support India's current emphasis on manufacturing through excellence in policy research, advocacy, capacity-building, and outreach activities. *ISIDNEWS* will keep you posted on the activities and work of the Institute every quarter.

- Nagesh Kumar

**ISID-CTIER Policy Roundtable  
MNC R&D Centres in India**



ISID and Centre for Technology, Innovation and Economic Research (CTIER), Pune, organised a roundtable discussion on MNC R&D Centres in India on 20 July 2023. The objective of the Roundtable was to get insights into the nature of R&D taking place in MNC R&D centres in India and their spillover effects. It came out during the discussion that nature of R&D activities in these centres is changing, and studies need to be conducted to capture the same and identify measures for maximising the spillover effects. It was pointed out that the MNC R&D centres in India had grown into centres of core R&D activities, but with the adoption of industry 4.0 technologies like artificial intelligence (AI) and machine learning (ML) by these centres, they appear to become mere capability centres than full-fledged R&D centres. The panellists of this Roundtable were: Dr Naushad Forbes (Co-Chairman, Forbes Marshall), Prof Rishiksha T Krishnan (Director, IIM Bangalore), Dr Ipsita Roy (Assistant Professor, National Institute of Technology, Rourkela), Aravind Chinchure (Founder and CEO, QLeap Academy, and Former Chair Professor of Innovation and Entrepreneurship at the Symbiosis International University, Pune); Dr Arabinda Mitra, (Hon. Distinguished Fellow & former Scientific Secretary, Office of the Principal Scientific Adviser to the Government of India), and Dr Reji K Joseph (Associate Professor, ISID), moderated by Prof Nagesh Kumar (Director ISID). [\[read more\]](#)

**Research Seminar  
Unlocking India's Regional Potential for Development**



ISID organised a webinar on "Unlocking India's Regional Potential for Development" on July 7, 2023. Dr Poornima Dore, Venture Partner, Elevar Equity, made the presentation. The presentation was followed by a discussion by the panel of experts consisting of Dr Shiladitya Chatterjee, Visiting Faculty, ISID; Dr Ashima Sood, Associate Professor, Anant National University, Ahmedabad; and Dr Judhajit Chakraborty, Michigan State University, USA. The webinar was moderated by Dr Sangeeta Ghosh, Assistant Professor, ISID. The YouTube link to the webinar is [here](#). [\[read more\]](#)

## Research Seminar An Indian Green Deal: Greening our way out of the Pandemic



ISID organised a webinar on “An Indian Green Deal: Greening Our Way Out of the Pandemic” on July 28, 2023. Dr Rohit Azad, Assistant Professor, Centre for Economic Studies and Planning, Jawaharlal Nehru University, Delhi, made the presentation. The presentation was discussed by distinguished panellists, Prof Nitya Nanda, Director, Council for Social Development, Delhi; Mr Karthik Ganesan, Fellow and Director, Research Coordination, Council on Energy, Environment and Water, Delhi; and Dr Easwaran J Narassimhan, Associate Professor, Centre for Policy Research India, and Post Doctoral Fellow, Climate Policy Lab, Fletcher School, Tufts University, USA. The webinar was moderated by Dr Anjali Tandon, Associate Professor, ISID. The YouTube link to the webinar is [here](#). [\[read more\]](#)

## Research Seminar Garments Industry: Simultaneously Addressing Environmental and Social Crisis



ISID organised a webinar on “Garments Industry: Simultaneously Addressing Environmental and Social Crisis” on September 14, 2023. Prof Dev Nathan, Professor, Institute for Human Development, Delhi, made the presentation. The presentation was followed by a discussion by a panel of experts consisting of Prof Padmini Swaminathan, Former Director, Madras Institute of Development Studies, Chennai; Prof Sumangala Damodaran, Director, International Development Economic Associates; and Dr Satyaki Roy, Associate Professor, ISID. The webinar was moderated by Dr R. Rijesh, Assistant Professor, ISID. The YouTube link to the webinar is [here](#). [\[read more\]](#)

## Research Seminar Digitalization of Indian Cities: Regional Variations



ISID organised a webinar on “Digitalization of Indian Cities: Regional Variations” on August 28, 2023. The presentation was made by Dr Marie-Hélène Zérah, Research Director, French National Research Institute for Sustainable Development, France, and Mr Khaliq Parkar, Doctoral Fellow, CESMMA, Université Paris Cité, France. The presentation was discussed by a panel of experts that included Dr Mythri Prasad-Aleyamma, Post-Doctoral Fellow, Centre for Place, Culture and Politics, City University of New York, USA; Mr Triveni Prasad Nanda, Assistant Professor, RICS School of Built Environment, Amity University, Noida; and Dr Surya Tewari, Assistant Professor, ISID. Dr Ramaa Arun Kumar, Assistant Professor, ISID, moderated the webinar. The YouTube link to the webinar is [here](#). [\[read more\]](#)

## Research Seminar Adoption of Industry 4.0 Technologies in India's Start-up Ecosystem



ISID organised a webinar on “Adoption of Industry 4.0 Technologies in India's Start-up Ecosystem” on July 21, 2023. The presentation was made by Dr Sanjaya Kumar Malik, Assistant Professor, ISID. The eminent panellists of the webinar included Prof Balaji Parthasarathy, Professor, International Institute of Information Technology, Bangalore; Dr Saradindu Bhaduri, Associate Professor, School of Social Sciences, Jawaharlal Nehru University, Delhi; and Dr Anish Tiwari, Dublin City University, Ireland. Dr Swati Verma, Assistant Professor, ISID, moderated the webinar. The YouTube link to the webinar is [here](#). [\[read more\]](#)

## Academic Activities Research Programmes / Projects

**Make in India: An Assessment of the Impact of the Programme on Six Manufacturing Sectors**, sponsored by ICSSR has been launched in September 2023. The research team consists of the faculty members of ISID namely Dr Reji K Joseph, Dr Anjali Tandon, Dr Beena Saraswathy, Dr Ramaa Arun Kumar, Dr Sangeeta Ghosh and Dr Seenaiiah Kale.



The Make in India programme was launched in 2014 with the objective of increasing the share of the manufacturing sector in the GDP by facilitating investment, both domestic and foreign, into the industrial sector; fostering innovation; building best-in-class infrastructure; developing industrial clusters; and making India a hub of manufacturing, design, and innovation while giving due emphasis to decarbonisation for a sustainable socio-economic development. As part of this programme, the Government of India has taken various measures to encourage manufacturing and investment such as the Production-Linked Incentive (PLI) schemes, improving ease of doing business, reduction in corporate tax, FDI reforms, quality control measures, development of industrial clusters, local content requirements and public procurement orders. This study aims to analyse the impact of the Make in India programme in six manufacturing sectors, i.e., pharmaceuticals, textiles and garments, steel, solar PV modules, fertilizers and toys. It will make specific recommendations in each of the six sectors with a view to enhance the impact of the Make in India programme on the manufacturing sector of India.

## ISID Publications

### Policy Briefs

[Green Technological Opportunities for India's Industrial Transformation](#), PBs #23-06, September 2023

This policy brief is based on a Policy Roundtable on “Opening Green Windows: Technological Opportunities for a Low Carbon World - Implications for India” organized by ISID on April 27, 2023. Dr Clovis Freire Jr of UNCTAD shared the key highlights of UNCTAD’s Technology and Innovation Report 2023 from an Indian perspective. The presentation was followed by discussions by panellists, Prof Suma Athreye of the Indian Institute of Technology, Delhi and Visiting Professor, ISID; Dr Rasmus Lema of UNU-MERIT, Maastricht, the Netherlands; and Dr Easwaran Narassimhan of Centre for Policy Research, New Delhi and Tufts University. Prof Nagesh Kumar moderated the roundtable which was followed up by a rich open discussion with an audience that included Prof Thomas Pogge of Yale University.



### Working Papers

- Anjali Tandon, Determinants of Energy Intensity: Evidence from India’s Iron and Steel Firms, ISID Working Paper No. 269, September 2023.
- Mahua Paul & Smruti Ranjan Sahoo, Manufacturing Productivity in Indian States: The Role of Infrastructure, Agglomeration, and Exports, ISID Working Paper No. 268, September 2023.

### Journal Articles and Book Chapters

- Kumar, N. (2023), Competitive Manufacturing as the Next Engine of India's Economic Growth and Prosperity: Opportunities, Challenges and Policies, in Ashwani Mahajan (ed.), *Aatmanirbhar: A Swadeshi Paradigm*, New Delhi, Rupa, 33-49.
- Kumar, N. (2023), [India's Evolving Industrial Policy is Critical for Realizing Its Development Vision](#), *PROMARKET*, Chicago Booth – The University of Chicago Booth School of Business, Spring 2023, pp.54-59.
- Kumar, N. (2023), [Reinvigorating Global Partnership for Global South](#), *INDIA & The World*, Vol. 5, No. 6 (Special Edition), pp. 60-63.
- Hooda, Shailender Kumar Hooda (2023), [State of Vaccine Manufacturing in India: Structure, Size, and Competitiveness](#), *Economic and Political Weekly*, Special Article, Vol. 58, Issue No. 31, August 5, pp. 45-55.
- Swati Verma (2023), [Intrafirm Transactions and Tax Haven Linkages: Evidence from Indian Manufacturing, Transnational Corporations](#), Volume 30, Number 2, August 31, pp.137-169,
- Santosh Kumar Das (2023), [NPAs in India's Banks: Trends and Determinants](#), *Journal of Money and Business*, September 12.
- Akhilesh Kumar Sharma & Sushil K. Rai (2023), [The Pandemic and Indian MSMEs: Lessons for Strengthening Resilience](#), in K. Takahashi, S. Bharule, S. Kudo and KE S. Ram(eds) *Rethinking Cities for Resilience and Growth in the Post-COVID-19 World*, Tokyo: Asian Development Bank Institute (ADBI), pp. 122-136.
- Surya Tewari (2023), Poverty Lines and Poor in India: A Trend Analysis from 1983-84 to 2004-05, in R K Abhay, D N Pandey and S. Rani (Eds) *Constraints in Achieving Sustainability of India*, New Delhi: The Energy Research Institute (TERI), pp. 183-194.
- Sangeeta Ghosh (2023), Book Review: Nitya Nanda, [India's Industrial Policy and Performance: Growth, Competition and Competitiveness](#), *Social Change*, Vol. 53, Issue 3, pp. 414-417.

### Popular Articles/ISID in NEWS

- Nagesh Kumar, [India's G20 Presidency: How the country is using its economic clout to bridge North-South divide. Interviewed by Surabhi & Arnav Das Sharma](#), *Business Today*, August 26, 2023
- Nagesh Kumar, [What difference will the India-Middle East-Europe Economic Corridor make?](#), *The Hindu - In Focus Podcast*, September 13, 2023
- Nagesh Kumar, [ICanton-type mega expos are a gateway to global trade. Is India ready to host them?. Interviewed by Shariq Khan](#), *Economic Times*, August 27, 2023

## Industry Matters

[IM Weekly Issue – July 07, 2023](#)

[IM Weekly Issue – July 14, 2023](#)

[IM Weekly Issue – July 21, 2023](#)

[IM Weekly Issue – July 28, 2023](#)

[IM Weekly Issue – August 04, 2023](#)

[IM Weekly Issue – August 11, 2023](#)

[IM Weekly Issue – August 18, 2023](#)

[IM Weekly Issue – August 25, 2023](#)

[IM Weekly Issue – September 01, 2023](#)

[IM Weekly Issue – September 08, 2023](#)

[IM Weekly Issue – September 15, 2023](#)

[IM Weekly Issue – September 22, 2023](#)

[IM Weekly Issue – September 29, 2023](#)



## Contributions to External Events

**Nagesh Kumar, Prof & Director**

- Invited Panellist at the Session on A Just, Equitable and Net-zero Transition at the Fourth Global Conference in Strengthening Synergies between the Paris Agreement on Climate Change and the 2030 Agenda for Sustainable Development, convened by UN-DESA and UNFCCC at the United Nations headquarters, New York on July 16, 2023.
- Invited Lead Discussant at the Session on SDG-9 Industrialization, Innovation and Infrastructure at the UN High-level Political Forum on Sustainable Development (HLPF) under the auspices of the Economic and Social Council, held at the United Nations Headquarters, New York, on July 12, 2023.
- A Discussion Leader and presenter at the Session on Growth Implications of a Fractured Trading System at the NITI Aayog/IDRC/GDN High-Level G20 Conference on Green and Sustainable Growth Agenda for the Global Economy held in New Delhi on July 28-29, 2023.
- Participated in the Meeting on Manufacturing Vision @2047 Chaired by Shri Rajiv Singh Thakur, Additional Secretary, DPIIT, held on August 16, 2023.
- Chaired the Second Meeting of the Exim Bank BRICS Economic Research Annual Award 2023 Jury, held on July 21, 2023 at Exim Bank New Delhi Office.
- A panellist at the Session on Transforming Innovation Systems and Restructuring Value Chains in Asia: The Way Forward at the Science Summit at the 78<sup>th</sup> UN General Assembly on September 16, 2023.
- Addressed as a Panellist the Session on Trade Creation and Regional Connectivity at the Indo-Pacific Economic Conclave 2023 organized by the Bengal Chamber Commerce Industry (BCC&I) on September 28-29, 2023.
- Chaired the Session on Opportunities and Challenges of Urbanisation at the International Conference on Sustainable and Inclusive Urban Development in the Global South - International Experiences and Future Strategies, organized by the Institute for Human Development, NITI Aayog, University of Florida, New Delhi, August 10-12, 2023.
- Appointed Co-Chair of the Global South Climate Network's Green Technology Working Group convened by the South African Institute of International Affairs.
- Had a luncheon meeting with Prof Joseph Stiglitz of Columbia University in New York on July 14, 2023 to discuss the evolving trade and industrial policy regimes and global economic governance agenda.
- Participated in the scoping consultation on the UNIDO India Country Programme 2023-2027 held on July 5, 2023 in New Delhi.
- As a Co-Chair of the SDG Taskforce, participated in the T20 Final Summit under India G20 Presidency, held in Mysuru from July 31 to August 3, 2023
- Participated as a Member of the 77<sup>th</sup> meeting of the ICSSR's Research Institutions Committee (RIC) on July 6, 2023 at ICSSR Headquarters, New Delhi.
- As a Trustee, participated in the 12<sup>th</sup> AGM Meeting of the Indian Trust for Rural Heritage and Development (ITRHD) on September 16, 2023.

**Anjali Tandon, Associate Professor**

- Presented a paper titled 'Technology and the future of work: Prospects, challenges and role of policies' in the International Conference on *New Technologies and the Future of Work in the Global South*, organised by IHD, ILO, South centre for Inequality Studies, WITS University, in collaboration with NITI Aayog on July 17-19, 2023.

**Mahua Paul, Assistant Professor**

- Presented a paper titled 'Manufacturing Productivity across States: Role of Infrastructure, Agglomeration and Exports' in the 24<sup>th</sup> Biennial Conference of Association of Indian Economic and Financial Studies (AIEFS) organised by IIT Madras on July 24-25, 2023

### Reji K Joseph, Associate Professor

- Panellist in a webinar on 'How AI is Revolutionizing the Drug Discovery and Development Process?' organised by Biospectrum on September 20, 2023.
- Delivered a lecture on 'Industrial Policy: A Growth Catalyst of an Economy' at the School of Commerce, Finance and Accountancy, Christ University, Ghaziabad, on September 23, 2023.

### Santosh Das, Assistant Professor

- Supervised Mr Rahul R N, a Research Intern at ISID (8 May to 7 July 2023) and a student of the Indian Institute of Science Education Research (IISER), Bhopal in preparation of a Report on *Exploring Financialization and Investment Patterns in Indian Manufacturing Firms* during internship period.

### Satyaki Roy, Associate Professor

- Delivered a lecture on 'Global Production Networks from the Perspective of Developing Countries' at the Third Annual Special Lecture on *Development and Social Change: Perspectives and Empirics* organised by the School of Livelihoods and Development, TISS, Hyderabad on August 24, 2023.
- Delivered a lecture on 'The Void of Social Compact in the Neoliberal Regime of Accumulation' in the National Seminar on *Tribal Economy: Envisaging an Alternative Economy* organised by Dr Ramdayal Munda Tribal Welfare Research Institute, Ranchi, Govt. of Jharkhand on September 7-9, 2023.

### Shailender K Hooda, Associate Professor

- External Examiner in a Viva-Voce conducted (online) for a PhD thesis at Centre of Social Medicine and Community Health, Jawaharlal Nehru University, New Delhi on July 20, 2023.
- Joined as a member and attended a meeting of M.A. Economics Curriculum Enrichment Committee, Department of Economics, Indira Gandhi University, Meerpur, Rewari, Haryana held on July 26, 2023.
- Presented a paper titled 'Vaccine Manufacturing Industry of India: Structure, Size and Competitiveness' in the International Conference on Empirical Economics organised by Pennsylvania State University, Altoona, USA on August 5, 2023.

### Swati Verma, Assistant Professor

- Presented a paper (online) titled 'Transfer Pricing Audit of Services and Intangibles: A Review of Practical Challenges and Tax Disputes in India' at the 32nd Annual Tax Research Network Conference held at the Faculty of Law, University of Cambridge, Cambridge, UK on September 5-7, 2023.
- Presented two papers (online) titled 'Relevance of Related Party Transaction Disclosures for Trade Statistics of India: A Note' and 'Accounting Standards for Sustainability Reporting by Indian Companies: A Review of the New Disclosure Norms' at the International Finance and Accounting Conference (IFAC-2023) on *Reimagining the Finance, Accounting, and Banking in A World Under Reset* organised by IIM Jammu on September 8-9, 2023.



**ISID** Institute for Studies in Industrial Development  
An institution of Indian Council of Social Science Research (Ministry of Education)  
Policy Research to Foster India's Industrial Transformation

Supported by  
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New Delhi, October 4-6, 2023

National Conference

## Towards Industrial Transformation of India:

Building an Inclusive, Sustainable, and Competitive Manufacturing Sector to Realize the 2047 Vision

### Key Speakers

 Shri S K Misra Chairman, ISID	 Dr Naushad Forbes Co-Chairman, Forbes Marshall	 Dr Arvind Virmani Member, NITI Aayog, Gol	 Prof Nitin Desai Chairman TERI	 Prof Deepak Nayyar former VC, Delhi University			
 Prof Nagesh Kumar Director, ISID	 Mr Ajay Shankar Former Industry Secretary, Gol	 Dr Sudipto Mundle Chairman, CDS	 Dr Arunabha Ghosh CEO, CEEW	 Ms Rupa Dutta Principal Adviser, DPIIT, Gol	 Prof Sachin Chaturvedi DG, RIS	 Mr Ram Mohan Misra Chairman, Meghalaya Investment Promotion Board	 Prof Thomas Pogge Yale University



# Past Issues

**ISID Institute for Studies in Industrial Development**  
A Quarterly Update

**July 2023**

**Policy Roundtable**  
*Opening Green Horizons: Technological Opportunities for a Low-Carbon World*

**Director's Message**

The issue of ISIDNEWS features an exclusive article by Prof. Swati Verma, Director of ISID, on the role of technology in opening green horizons for a low-carbon world. The article discusses the potential of clean energy, sustainable manufacturing, and digital technologies to drive economic growth while reducing carbon emissions. It also highlights the importance of government support and public-private partnerships in accelerating the transition to a sustainable future.

**Research Seminar**  
*India's Participation and Progress in Global Value Chains: Insights from Analytical Indicators*

ISID organized a Policy Roundtable on 'India's Green Horizons: Technological Opportunities for a Low-Carbon World' on July 19, 2023. The roundtable was moderated by Prof. Swati Verma, Director of ISID, and featured experts from the Ministry of Industry and Commerce, Government of India, and leading industry associations. The discussion focused on the challenges and opportunities of decarbonizing the Indian economy and the role of technology in achieving net-zero emissions. The roundtable was held in a hybrid format, with participants joining online via Zoom and in person at ISID.

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**ISID Institute for Studies in Industrial Development**  
A Quarterly Update

**April 2023**

**ISID, IISG and IISD: A Policy Roundtable on Energy and Climate Change Governance for Green Transformation**

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**Research Seminar**  
*India's Participation and Progress in Global Value Chains: Insights from Analytical Indicators*

ISID and the Institute of Statistical Studies and Economic Research (IISG) organized a Roundtable on 'Energy and Climate Change Governance for Green Transformation' on April 12, 2023. The roundtable was moderated by Prof. Swati Verma, Director of ISID, and featured experts from the Ministry of Industry and Commerce, Government of India, and leading industry associations. The discussion focused on the challenges and opportunities of decarbonizing the Indian economy and the role of technology in achieving net-zero emissions. The roundtable was held in a hybrid format, with participants joining online via Zoom and in person at ISID.

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**ISID Institute for Studies in Industrial Development**  
A Quarterly Update

**January 2023**

**ISID hosts the Knowledge Forum Conference on Technology and Governance for Green Transformation**

**Director's Message**

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**Research Seminar**  
*India's Participation and Progress in Global Value Chains: Insights from Analytical Indicators*

ISID hosted the Knowledge Forum Conference on 'Technology and Governance for Green Transformation' on January 10, 2023. The conference was moderated by Prof. Swati Verma, Director of ISID, and featured experts from the Ministry of Industry and Commerce, Government of India, and leading industry associations. The discussion focused on the challenges and opportunities of decarbonizing the Indian economy and the role of technology in achieving net-zero emissions. The conference was held in a hybrid format, with participants joining online via Zoom and in person at ISID.

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**ISID Institute for Studies in Industrial Development**  
A Quarterly Update

**October 2022**

**Policy Roundtable**  
*Market-Oriented Industrial Policy Making for Successful Structural Transformation: Lessons from India*

**Director's Message**

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**Research Seminar**  
*India's Participation and Progress in Global Value Chains: Insights from Analytical Indicators*

ISID organized a Policy Roundtable on 'Market-Oriented Industrial Policy Making for Successful Structural Transformation: Lessons from India' on October 10, 2022. The roundtable was moderated by Prof. Swati Verma, Director of ISID, and featured experts from the Ministry of Industry and Commerce, Government of India, and leading industry associations. The discussion focused on the challenges and opportunities of decarbonizing the Indian economy and the role of technology in achieving net-zero emissions. The roundtable was held in a hybrid format, with participants joining online via Zoom and in person at ISID.

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