



# International Conference on Open and FAIR Data Ecosystem Principles, Policies, and Platforms

11th - 13th September 2023

IIC, New Delhi

## Programme Details

<b>11<sup>th</sup> September, 2023</b>	
09:00- 09:45	<b>On Spot Registration</b>
10:00- 11:30	<p><b>Inaugural Session</b>  <b>Dr. Usha Mujoo Munshi</b>, Conference Director: Welcome  <b>Amb. Shyam Saran</b>, President, IIC: Introductory Remarks  <b>Prof. Ajit Kembhavi</b>, PI, PKC, Chair, CODATA-National Committee, About the Conference  <b>Prof. O. P. Kalra</b>, Vice Chancellor, SGT University: Remarks  <b>Dr. Vint Cerf</b>, VP, Chief Internet Evangelist, Google, USA (<i>Online</i>)  <b>Dr. Simon Hodson</b>, Executive Director, CODATA International Council of Science, France: Remarks  <b>Prof. Ajay Kumar Sood</b>, Principal Scientific Advisor to Govt. of India: Chief Guest - Inaugural Address  <b>Shri K N Shrivastava</b>, Director, IIC: Concluding Remarks</p>
11:30- 12:00	<b>Tea/ Coffee break</b>
12:00- 13:30	<p><b>Session on Health</b>            Session Coordinator: Dr. Koninika Ray</p>
	<p><b>Chair: Dr. Renu Swarup</b>, Former Secretary, DBT            Title: <i>The Power of Data for driving Healthcare innovations</i></p> <p><b>Prof. Partha Majumder</b>, National Science Chair, SERB, Govt. of India and Emeritus, Professor, Indian Statistical Institute, Kolkata, India            Title: <i>Human Health: Essentiality of FAIRification of Health Data, with Special Reference to India</i></p>



	<p><b>Prof. Virginia Murray, (Online)</b> Head of Global Disaster Risk Reduction, UK Health Security Agency and Co-Chair the IRDR Data project  <i>Title: Opportunities and Challenges for public health preparedness and response and the SANDAI framework for disaster risk reduction 2015-2030.</i></p> <p><b>Dr. Chuck Cook,</b> Global Biodata Coalition, UK  <i>Title: Global biodata resources: challenges to long-term sustainability of a crucial data infrastructure</i></p> <p><b>Dr. Priya Nagaraj,</b> Pune Knowledge Cluster, Pune, India  <i>Title: Health and Environment: Collaborative Approaches to Data Generation and Sharing</i></p>
13:30-14:30	<b>Lunch</b>
14:30-16:00	<b>Session on Agritech</b> Session Coordinator: Dr. Sridhar Gutam
14:30-16:00	<p><b>Chair: Simon Hodson,</b> Executive Director, CODATA International (ICS), France  <i>Title: CODATA and WorldFAIR: Making Data WORK FOR Global Grand Challenges</i></p> <p><b>Dr. Sridevi Jade, (Online)</b> Head &amp; Outstanding Scientist, CSIR Fourth Paradigm Institute (CSIR-4PI)  <i>Title: Open Science practices relevant to Earth Sciences and Agri-Tech (Earth Sciences covers Earth, Ocean &amp; Atmosphere Sciences)</i></p> <p><b>Ms. L. Ramadevi,</b> Officer on Special Duty (OSD), Emerging Technologies, Govt. of Telengana  <i>Title: Agriculture Data Exchange Platform (AdeX)</i></p> <p><b>Dr. Amarnath Gupta,</b> San Diego Supercomputer Center (SDSC), University of California, San Diego  <i>Title: A Situation-Aware Conversational Resource-Recommendation Strategy to Promote Business Growth in Food Deserts</i></p> <p><b>Dr. Suresh K. Malhotra,</b> Director, ICAR-Directorate of Knowledge  <i>Title: Knowledge Management Tools in Agriculture</i></p>
16:00-16:30	<b>Tea/ Coffee break</b>
16:30-18:00	<b>Session on Data Policy, Practices, Ethics &amp; Infrastructure</b> Session Coordinator: Dr. Jagdish Arora/Dr. Shantanu Ganguly
	<p><b>Chair: Dr. Neeta Verma (Chair),</b> DG (IT) Election Commission of India &amp; Former DG, National Informatics Centre, New Delhi  <i>Title Future of Data Infrastructure</i></p> <p><b>Prof. Barend Mons,</b> President, (Online) CODATA International, France, Paris &amp; Professor, Biosemantics, LUMC, Board Member, Leiden Centre of Data Science</p>



	<p>Title : <i>Stop Data Sharing</i></p> <ul style="list-style-type: none"> <li>• <b>Prof. P. Vigneswara Ilavarasan</b>, Professor, Dept. of Management Studies, Indian Institute of Technology Delhi, India Title: <i>Data, Development &amp; Policy in India: Potential &amp; Challenges</i></li> <li><b>Mr. Arun Jadhav</b>, Manager-Digital Development, CABI, India Title : <i>Enabling Data Access, Sharing and Reuse</i></li> <li><b>Dr. Victoria Eva</b>, Senior Vice-President, Global Policy &amp; Industrial Relations, Elsevier Title: <i>Research data policy and principles: Encouraging open research data practices within national and funder policies</i></li> </ul>
<p>18:00-20:00</p>	<p><b>Cultural Program (Details Given in the Attached Card)</b></p>
<p>20:00-22:00</p>	<p><b>Dinner</b></p>

	<p><b>12<sup>th</sup> September, 2023</b></p>
	<p><b>Session on Health</b> Session Coordinator: Dr. Koninika Ray</p>
<p>10:00- 11.15</p>	<p><b>Chair: Prof. Debasisa Mohanty</b>, Director, National Institute of Immunology (NII), New Delhi, India Title: <i>Role of Open and FAIR Data Ecosystem in AI/ML driven innovations in Bioscience and Biotechnology</i></p> <p><b>Dr. Hans-Eckhardt Hagen, (Online)</b> Global Biodata Coalition, USA Title: <i>Data sharing for public health emergencies – the GloPID-R funders perspective</i></p> <p><b>Dr. Sindura Ganapathi</b>, Visiting PSA Fellow Office of the Principal Scientific adviser to the GoI, India Title: <i>Data Integration in One Health: Challenges and opportunities ‘</i></p> <p><b>Dr. Jay Greenfield, (Online)</b> Consultant, CODATA, UK</p>



	<p>Title: <i>A Patient level prediction network study of testing practices used in Integrated Disease Surveillance and Response (IDSR) systems by several countries in the Africa region during the pandemic</i></p>
<p><b>11.15-11.30</b></p>	<p><b>Tea / Coffee Break</b></p>
<p><b>11.30-13.00</b></p>	<p><b>Session on Ocean &amp; Atmospheric Sciences</b> Session Coordinator: Dr. Dr. TVS Udaya Bhaskar/Prof. Prabir G. Dastidar</p>
	<p><b>Chair: Dr. M. Mohapatra</b>, Director General of Meteorology, India Meteorological Department, Gol Title: <i>Aspects of Data and Information Related to Ocean and Atmospheric Sciences</i></p> <p><b>Prof. Amit Apte</b>, Department of Data Science, IISER, Pune Title: <i>Dynamical Models and Data for Complex Systems: An Earth Science Perspective</i></p> <p><b>Dr. Bapon Fakhruddin, (Online)</b> Expert Climate Change Risk Assessor, Water and Climate Leadership &amp; Co-Chair for the Disaster Loss DATA and Risk Interpretation and Applications (RIA) Working Group of IRDR of ICSU/UNISDR Title: <i>WorldFAIR : Open Data + Interoperability to Assess Systemic Disaster Risks Assessment</i></p> <p><b>Dr. Srinivas Kumar</b>, Director INCOIS Title: <i>Role of Open and FAIR data in formulating strategic ocean services</i></p> <p><b>Dr. Gitanjali Yadav</b>, Staff Scientist V, National Institute of Plant Genome Research, India Title: <i>Towards Open Access for Climate Justice</i></p>
<p><b>13:00 - 14.00</b></p>	<p><b>Lunch</b></p>
<p><b>14.00 – 15.30</b></p>	<p><b>Session on Digital Humanities</b> Session Coordinator: Prof. Dinesh Gupta</p>
	<p><b>Chair: Dr. Belinda Seto</b>, Deputy Director, Office of Data Science Strategy, National Institutes of Health, USA Title: <i>Artificial Intelligence in Healthcare</i></p> <p><b>Dr. Partha Pratim Das, (Online)</b> Visiting Professor, Department of Computer Science, Ashoka University Title : <i>Data Science for Social Impact</i></p> <p><b>Dr. Priyank Hirani</b>, Associate Director, Capacity Accelerator Network (CAN) Title: <i>Building Local Data for Social Impact Workforce: A Network of Networks Model</i></p>



**Dr. Lazarus Gallant Matizirofa**, Deputy Director, Department of Library Services, University of Pretoria & **Prof. Daisy Selemstela**, Executive Director: Library and Information Services, UNISA  
 Title: *Digital Humanities and Digital Scholarship Transformation: A South African Perspective*

**15.30 -16.00** **Tea / Coffee Break**

**16.00 - 17.45** **Session on Data Policy, Practices, ethics & Infrastructure**  
 Session Coordinator: Dr. Shaily Gandhi

**Chair: Prof. Shantanu Chaudhuri** Director, IIT Jodhpur  
 Title: *Trustworthiness of Big Data*

**Prof. Avik Sarkar**, Faculty, Indian School of Business, Mohali  
 Title: *Ethics in Artificial Intelligence – Perspective from India*

**Dr. Bhanu R. Neupane**, Advisor, Open Solutions and ICT & Sciences, UNESCO, Paris, France  
 Title: *Open Data: What now?*

**Dr. Victoria Eva**, Senior Vice-President, Global Policy & Industrial Relations, Elsevier  
 Title: *The importance of FAIR data: Key practices and the risks of not implementing*

**Dr. Vishnu Chandra**, Former Deputy Director General & HOG-NIC (Geospatial Technology Services)  
 Title: *Digital Transformation: Geospatial Perspective*

**Ms. Alka Mishra**, et al. Deputy Director General, NIC, India  
 (Durga Prasad Misra, Usha Saxena, Sanjay Mahendru, Ritu Ghai, Varun Gupta, Asif Khan, Sitansu Mahapatra, Sumandro Chattapadhyay)  
 Title: *A FAIR (Findability, Accessibility, Interoperability and Reusability) and Open Approach to Data beyond Statistical and Geospatial Datasets*

**19:30 – 22:30** **Dinner**

**13<sup>th</sup> September, 2023**

**10:00- 11.15** **Session on Data Policy, Practices, Ethics & Infrastructure**



	<p>Session Coordinator: Dr. Ramesh Gaur / Dr. Anup Das</p>
	<p><b>Chair: Prof. Unnat Pandit</b>, Indian Controller General of Patents, Designs &amp; Trade Marks          Title: <i>IP Perspective for Data Practices, Ethics and Infrastructure... Policy Interventions for Data Protection of IP Assets</i></p> <p><b>Dr. Philip E. Bourne, (Online)</b> Dean of the School of Data Science, University of Virginia          Title: <i>Data Science Meets Open Science</i></p> <p><b>Dr. Uma Shankar Pandey</b>, Associate Professor and Head, Department of Journalism and Mass Communication, Surendranath College for Women, Kolkata          Title: <i>Empowering Data Journalism through an Open and FAIR Data Ecosystem: Strategies, Standards, and Synergies</i></p> <p><b>Mr. Shirish Kanetkar</b>, Pune Knowledge Cluster, Pune, India          Title: <i>Urban Forestry Data</i></p> <p><b>Dr. Disha Sawant</b>, Pune Knowledge Cluster, Pune, India          Title: <i>Big Data from Citizen Astronomy</i></p> <p><b>Mr. Angad Munshi</b>, Researcher, IIFT &amp; <b>Prof. Ashim Raj Singla</b>, Prof. &amp; Controller of Examination &amp; Head, IT and Knowledge Management, Indian Institute of Foreign Trade, New Delhi, India          Title: <i>Determinants of Collaboration for Strengthening the Research Partnerships for Innovation and Need for integrated RDM</i></p>
<p>11.15-11.30</p>	<p><b>Tea / Coffee break</b></p>
<p>11.30-13.00</p>	<p><b>Session on Data Policy, Practices, Ethics &amp; Infrastructure</b>          Session Coordinator: Dr. Nabi Hasan/Dr. M. Krishnamurthy</p>
	<p><b>Chair: Dr. Harshal Shah</b>, Business Leader, Entrepreneur, Member- Open Health Systems Laboratory, Austin, Texas</p> <p><b>Dr. Suchith Anand, (Online)</b> Programmes and Outreach Director Ethical Data Initiative (EDI)          Title : <i>Data Ethics Policy in Higher Education</i></p> <p><b>Mr. D P Misra</b>, et al. Scientist, NIC, New Delhi, India          (Alka Mishra, Usha Saxena, Sanjay Mahendru, Ritu Ghai, Varun Gupta, Jaskaran Singh, Sitansu Mahapatra, Sumandro Chattapadhyay, Akhilesh Srivastava)          Title: <i>Challenges and Opportunities of Open Government Data Platform - a Standard-Enforcing</i></p>





*SaaS Solution for India's Data Ecosystem*

**Prof. Jim Todd, (Online)** Prof. of Biostatistics, London School of Hygiene and Tropical Medicine, UK

Title: *INSPIRE network: Building a platform for FAIR population health data*".

**Prof. Sangeeta Trehan**, Professor, at SOIL, School of Business Design, Manesar, Gurugram, India

Title: *In Tune with the Times – Pitching for a pragmatic approach to FAIR data handling and more.*

**Ms. Akanksha Nagpal & Dr. Arun Jadhav**, Project Coordinator, CABI South Asia

Title: *Enhancing Data Governance and decision making in agriculture through a people-first approach and FAIR (Findable, Accessible, Interoperable, Re-useable) principles*

13:00 -  
14.00

**Lunch**

14.00 –  
15.30

**Session on Data Policy, Practices, Ethics & Infrastructure**

Session Coordinator: Prof Sangeeta Trehan

**Chair: Prof. Yogesh Wadadekar**, National Centre for Radio Astrophysics, Pune

**Prof. M Krishnamurthy**, Prof. & Head, DRTC, Indian Statistical Institute, Bengaluru, & **Vikas Kumar**, Research Scholar, DRTC, ISI

Title: *Research data repositories in academic settings: Issues and Challenges*

**Dr. Mohit Garg**, Assistant Librarian, Central Library, IIT Delhi

Title: *Deciphering Open Data APIs: Fueling Innovation and Collaboration for Building data-driven solutions*

**Ms. Pragya Chaube & Ms. Moumoita Koley**, DST-Centre for Policy Research, Indian Institute of Science, Bengaluru

Title: *Open research data sharing among Indian academics: A cursory overview*

**Dr. Ranjeet Kumar Singh & Prof. Devika P. Madalli**, DRTC, Indian Statistical Institute, Bengaluru

Title: *Data Management Plan (DMP): A catalysts for Open and FAIR Data and an accelerator of Research Data Management (RDM) Processes*

**Dr. Suman Das, Dr. Anup Kumar Das & Prof. Manorama Tripathi**, JPN National Centre of Humanities in the Excellence, IIT Indore & Centre for Studies in Science Policy, Jawaharlal Nehru University



	<p><i>Title: Discovering Research Trends in Artificial Music Intelligence: Perspectives of Digital Humanities through Computational Text Mining</i></p> <p><b>Ms. Kavya Asok &amp; Snigdha Dandpat</b>, Research Scholar(s), Central University, Haryana  <i>Title: Research data repositories and their metadata: A comparative study (POSTER)</i></p>
<p><b>15.30 – 16.30</b></p>	<p style="text-align: center;"><b>Panel Discussion</b></p> <p style="text-align: center;"><b>“Open and FAIR Data for Successful Digital Transformation in Academia and Industry”</b></p> <p><b>Dr. Dan Issacs</b>, CTO, Digital Twins Consortium, San Jose, California, USA  <b>Dr. Akhilesh Mishra</b>, Scientist, Data and Strategy Unit, Department of Science and Technology  <b>Dr. Harshal Shah</b>, Business Leader, Entrepreneur, Member- Open Health Systems Laboratory, Austin, Texas  <b>Prof. J P Joorel</b>, Director, INFLIBNET, Ahmedabad  <b>Mr. N V Satyanarayana, Chairman</b> &amp; Managing Director, Informatics (India) Ltd. Bengaluru  <b>Prof. Avik Sarkar</b>, Faculty, Indian School of Business, Mohali  <b>Prof. Ajit Kembhavi</b>, Former Director, IUCCA, Pune &amp; Principal Investigator of the Pune Knowledge Cluster</p>
<p><b>16.30 -17.00</b></p>	<p style="text-align: center;"><b>Valedictory</b></p> <p><b>Dr. Usha Mujoo Munshi</b>, Conference Director, IIC  <b>Shri. K N Srivastava</b> (IAS, Retd.), Director, India International Centre (IIC)  <b>Prof. Ajit Kembhavi</b>, Former Director, IUCCA, Pune &amp; Principal Investigator of the Pune Knowledge Cluster  <b>Dr. R K Chadha</b>, Former Additional Secretary, Parliament of India (Lok Sabha)  <b>Dr. M. Ravichandran</b>, Secretary, Ministry of Earth Sciences: Valedictory Address  <b>Prof. Prabir G. Dastidar</b>, Former, Scientist, MoES and Faculty, SGT University, Gurugram</p>
<p><b>17.00 - 18.00</b></p>	<p style="text-align: center;"><b>High Tea</b></p>
	<p><b>Rapporteur &amp; Report Preparation</b>  <b>Dr. RK Chadha; Dr. G Mahesh, Dr. Nabi Hasan &amp; Dr. Koninika Ray</b></p>
<p><b>14.30-18.30</b></p>	<p style="text-align: center;"><b>Roundtable on Digital Twins</b></p> <p style="text-align: center;"><b>11<sup>th</sup> September, 2023</b></p>
	<p>Opening remarks : <b>Amb. Shyam Saran</b>, President IIC</p> <p><b>Ajit Kembhavi / Vinay Kulkarni / Harshal Shah</b></p>





	<b>Dan Isaacs</b> , CTO - Digital Twin Consortium (Digital Twins: Broad spectrum of domains)
	<b>Vinay Kulkarni</b> , TCS Fellow and Head Software Systems & Services Research ( Digital Twins: AI, Capabilities,; Natural resources)
	<b>Sean Whiteley</b> , Founder, AxoMem.io (Healthcare)
	<b>Souvik Barat</b> , Principal Scientist, TCS Research (Healthcare, Telecommunications, Food and Beverage)
	<b>Javier Diaz</b> , Aingura IIoT - Inzu Group (Intelligent Infrastructure, Bridges)
	<b>Aditya Paranjape</b> , Senior Scientist, TCS Research (Logistics, Mobility and Transportation)
	Coffee break
	<b>Beena Rai</b> , Chief Scientist and Head Physical Sciences Research, TCS Research (Chemistry, Healthcare and Life Sciences) – <i>Virtual Talk</i>
	<b>Pushpenrda Kumar Gupta</b> , Global CTO & APJ Presales Lead, Global Alliances DELL Technologies (Digital Twin: Infrastructure and Architecture with Focus on Manufacturing)
	Open discussion
	Closing remarks – <b>Vinay Kulkarni / Ajit Kembhavi, Harshal Shah</b>