AGENDA

18th to 20th June 2024
Power Management Institute (PMI), Plot No 5-14, Sector 16A, NOIDA 201301

TRAINING

Energy Data & Policy Training

ABOUT THE EVENT

The International Energy Agency in association with the World Energy Council India presents an energy Data and Policy Training. IEA experts alongside Indian stakeholders will share the IEA's work in different energy related sectors and issues. They will also share insights and best practices for energy data analysis, supported by different case studies.

For IEA's datasets, visit:

https://www.iea.org/data-and-statistics

For details about IEA's work with India:

https://www.iea.org/countries/india

Day 1: Setting the scene		
09:00 – 09:30	Registration of participants	
09:30-10:00	Inaugural session: – Analysis and data at the heart of the IEA-India relationship • Welcome address: Mr. Harekrushna Dash, ED, WEC India • Video address: Mr. Tim Gould, Chief Energy Economist, IEA • Keynote Address: Mr. Gurdeep Singh, CMD, NTPC Limited	
10:00-10:10	Training group photo	
10:10- 10:30	Introductions of trainers Overview of the workshop - Importance of data to strengthen energy policy formulation, planning and implementation	Ms. Roberta Quadrelli, IEA
10:30– 10:45	Quick introductions: Roles of participants in India energy system	All participants
10:45 – 11:00	Introduction to the suite of IEA analysis & data products: Special Focus on LIFE	Mr. Thomas Spencer, IEA
11:00-11:30	Coffee/Tea break	
11:30 – 12:30	Bringing together integrated perspectives for policy analysis and outlooks • Introduction to the IEA's World Energy Outlook (WEO) and zoom in on the India Model • India Climate and Energy Modelling Forum (ICEMF) and pathways for India • Demonstration India energy dashboard (https://iced.niti.gov.in/)	Mr. Thomas Spencer, IEA Dr. Anjali Jain, Senior Manager- Energy Modelling and Nithin Bajpai, Manager- Energy Transition, NITI Aayog
12:30 – 12:50	Q & A session	
12:50 – 14:00	Lunch break	
14:00 – 15:30	Energy balance for the energy system • Introduction to the energy balance as an integrated map of the energy system and a tool for data users, policy makers and modelers • India approach to developing the energy balance and the need for collaboration with stakeholders. • Q &A	Ms. Roberta Quadrelli, IEA Mr. Indradeep Chowdhury, Director, MoSPI
15:30 – 16:00	Coffee/Tea Break	
16:00 – 17:30	Interactive session on energy balances Breakout groups	Ms. Roberta Quadrelli and Mr. Steve Gervais, IEA

Day 2: Deeper perspectives on sectors, fuels and emerging issues		
	Oil and Gas Outlooks and Data	
09:30 – 09:45	Practices in data collection, management and dissemination in India	Petroleum Planning and Analysis Cell
09:45– 10:30	• Indian Oil Market: Outlook to 2030 • Lifecycle of data collection including how to consider demand and supply. • Understanding Oil and Gas statistics and how to use them. Interactive discussions/Q & A	Mr. Steve Gervais, IEA Mr. Alay Patel (India Consultant), IEA
10:30 – 11:00	IEA role is maintaining global stability including the Emergency Response System	Mr. Steve Gervais, IEA
11:00 to 11:30	Coffee/Tea Break	
11:30 – 12:30	The critical importance of demand side data: energy efficiency and price indicators • Availability and measurement across IEA members and partners India's approach to energy efficiency indicators • Measuring energy efficiency, methods and gaps Q & A	Ms. Roberta Quadrelli and Mr. Steve Gervais, IEA Mr. Arijit Sengupta, Director, BEE
12:30-13:00	Interactive discussions / Q&A	
13:00 – 14:00	Lunch Break	
14:00 – 15:00	Emerging issues in policy and data collection • Presentation on clean energy technology data and policy • Q&A Indian officials to discuss approaches for importance of data collection in manufacturing and clean technology. • Hydrogen portal and database demo from MNRE • Open discussion	Mr. Thomas Spencer, IEA Mr. Mohit Bhargava, Former Executive Director, NTPC
15:00 –16:30	• Presentation on RD&D data collection for clean technology and innovation • Case studies on best practices from IEA member/association countries on collecting RD&D data • Brazil case study	Dr. Vineet Saini, Senior Director, DST Ms. Roberta Quadrelli, IEA Mr. Gustavo Andrade, EPE
16:30-17:00	Coffee/Tea Break	

17:00 – 18:00	**Electricity outlooks and data**	Mr. Thomas Spencer, IEA
	• Batteries and secure energy transitions • Presentation of electricity sector statistics, including understanding how annual, monthly, and real-time statistics are produced and how to use them. India's approach to data collection, management and dissemination for electricity sector.	Mr. Steve Gervais, IEA Central Electricity Authority

Day 3: Outlook for data collaboration for India		
	Energy Data Roadmap	
09:30 – 10:00	• National energy data roadmap • International best practice examples	Ms. Roberta Quadrelli, IEA
10:00 – 10:30	Energy Data Management Unit (EDMU) • Objectives, Scope, Institutions and data collection, management and dissemination practices	Mr. Arijit Sengupta, Director, BEE
10:30 – 12:00	Interactive session on the energy data roadmap Breakout sessions covering: • Strategy development, • Institutional/Legal framework, • Data collection, management, dissemination	Ms. Roberta Quadrelli, and Mr. Steve Gervais, IEA All participants
12:00 – 12:30	Coffee/**Tea** break	
12:30 – 13:30	Closing session • Reflections from participants • Closing words from WEC India • IEA outline of possible next steps • Certificate presentation	WEC India All trainers and participants
13:30 onwards	Lunch break	

Annexure 1: Trainers from International Energy Agency

Dr. Roberta Quadrelli, Head of Data and Indicators for Energy Transitions

Dr. Roberta QUADRELLI is Head of Section at the Energy Data Centre of the International Energy Agency, leading IEA work on data and indicators for energy transitions, including emissions, energy efficiency, energy expenditures and SDG7 among other topics. Previously, she worked at the International Science Council (ISC) to coordinate interdisciplinary research on global environmental change and sustainability. Roberta began her career as a climate researcher, with a doctorate in atmospheric sciences at the University of Washington (USA) and a master in physics at the University of Bologna (Italy). She is author of several academic publications, as well as methodological work such as the IEA guidelines on energy efficiency indicators; she contributed to the IPCC Guidelines for GHG inventories and to the 5th and 6th IPCC Assessment Reports. Roberta has been also designing and delivering capacity building activities on national energy data with partners across the world.

Steve Gervais, Head of Unit (Monthly Oil and Gas Statistics)

Stève Gervais is Head of the Energy Security Data Unit at the Energy Data Centre of the International Energy Agency, leading IEA work on monthly oil statistics and supporting the data work of the Energy Security and Critical Minerals division and the Oil Industry and Markets division. He has 20 years' experience in the fields of energy and statistics with an expertise in oil and gas data reporting and energy security indicators. Previously, he worked at the Joint Research Centre of the European Commission in Seville (IPTS) on energy modelling (POLES model). Stève began his career as researcher at the French Petroleum Institute (IFP Energies Nouvelles), with a PhD in economic sciences at the University of Paris-Panthéon-Assas. His work was focused on the impact of GHG reduction policies on the oil industry and the strategies of petroleum companies facing climate change issues.

Thomas Spencer, Power Sector Modeller, IEA World Energy Outlook (WEO)

Thomas Spencer has a Masters in Carbon Management, focusing on energy economics and regulation, from the University of Edinburgh. He has 15 years' experience in the fields of energy and climate change policy in Europe, China and India. He was Director of the Energy and Climate Change Program at the Institute for Sustainable Development and International Relations (IDDRI) in Paris, France. He was a member of the French delegation that organised COP21 in 2015, which resulted in the Paris Agreement on Climate Change. Between 2017 and 2021, he was a Fellow at the Energy and Resources Institute (TERI) in New Delhi, India, where his work focused on modelling the expansion and operation of the Indian electricity system under increasing shares of variable renewables. In March 2021, Thomas joined the Energy Modelling Office of the International Energy Agency (IEA). At the IEA, Thomas leads in the analysis of the implications of climate mitigation for the global energy sector. He has been a lead author of numerous IEA publication including the landmark report Net Zero by 2050: A Roadmap for the Global Energy Sector, the World Energy Outlook 2021 and World Energy Outlook 2022, the India Energy Outlook 2021, and An Energy Sector Roadmap to Net Zero Emissions in Indonesia.

Annexure 2: List of Indian Organisations' for training program

1. Ministry of Power (MoP)
2. Ministry of Coal (MoC)
3. Ministry of New and Renewable Energy (MNRE)
4. Ministry of Petroleum & Natural Gas (MoPNG)
5. Ministry of Statistics, Planning and Implementation (MoSPI)
6. Ministry of Environment and Climate Change (MoEFCC)
7. Ministry of Mines
8. Department of Science and Technology (DST)
9. Petroleum, Planning and Analysis Cell (PPAC)
10. Central Electricity Authority (CEA)
11. NITI Aayog
12. Bureau of Energy Efficiency (BEE)
13. GAIL (India) Limited
14. NHPC Limited
15. NTPC Limited
16. Oil and Natural Gas Corporation Limited
17. Solar Energy Corporation of India Limited (SECI)
18. Energy Efficiency Services Limited (EESL)
19. Power Finance Corporation Limited (PFC)
20. Rural Electrification Corporation (REC)
21. Grid Controller of India
22. Power Grid Corporation of India Limited