



INDIAN
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BALIPARA FOUNDATION

Assam • India

Speakers' Profile

*Managing the Climate Crisis and Answering the
Challenge to Indian Industry for Achieving Net
Zero Carbon Emissions*

22nd July 2021

CoR – India, Development Alternatives and
Balipara Foundation

Mr. SURESH PRABHAKAR PRABHU, MEMBER OF PARLIAMENT

Suresh Prabhakar Prabhu is an Indian politician and India's Sherpa to the G7 and G20.

He was the Minister of Civil Aviation, Railways, Commerce & Industry. He is a Chartered Accountant by profession and a member of the Institute of Chartered Accountants of India (ICAI). Since 1996, Prabhu has been repeatedly elected as a Member of Parliament from Rajapur



Lok Sabha constituency in Maharashtra as a member of the Shiv Sena (SS) political party. With BJP, he currently represents Andhra Pradesh in the Rajya Sabha (Upper house of Indian Parliament). He is also a Chancellor of Rishihood University. He is a part of 16 global organizations and 9 strategic dialogues. He has written extensively on socio-economic issues, nationally and internationally. Some of the key writings of him are: "Students' Unrest" at the Jamnalal Bajaj Institute of Management, Mumbai; "Causes and Consequences of Mass Unemployment of Youths" at the Central Committee for International Voluntary Services (CCIVS), UNESCO, Paris, "Problems of Youth in Third World Countries" at CCIVS, Monrovia (Liberia); "North-South Co-operation", paper read at an international seminar at New Delhi on behalf of Bharat Sevak Samaj; "Contribution of NGO's Towards Peace" - Asian Youth Seminar, New Delhi. Has also published several columns on finance and economy in the daily "Mid-Day" as well as articles in leading Marathi dailies.

Mr. S. RAMADORAI

Padam Bhusan Mr Subramanian Ramadorai, CBE was the adviser to the Prime Minister of India in the national council on skill development, Government of India. He held the rank equivalent to an Indian Cabinet Minister. He is also the chairperson of the governing board of the Tata Institute of Social Sciences and Bharathidasan Institute of Management, chairman of Indian Institute of Information Technology, Guwahati and Tata Elxsi. Earlier, he was CEO and MD of Tata Consultancy Services from



1996 to 2009 & Vice - Chairman of Tata Consultancy Services till 6 October 2014. Mr. Ramadorai is currently the Chairman of the Advisory Board at Tata STRIVE, which is the Tata Group's CSR skill development initiative that aims to address the pressing national need of skilling youth for employment, entrepreneurship and community enterprise. He is also the Chairman of Tata Technologies Limited and additionally serves as an Independent Director on the Boards of Piramal Enterprises Limited and DSP Investment Managers. He was the Chairman of the Bombay Stock Exchange (BSE Limited) till March 2016. Ramadorai is a well-recognized global leader and technocrat who has participated in the Indian IT journey from a

mere idea in 1960's to a mature industry today. Ramadorai captured this exciting journey in a wonderfully personalized book titled 'The TCS Story...and beyond' which was published in 2011 and remained on top of the charts for several months.

PROFESSOR SIR DAVID KING

Professor Sir David King was appointed as the UK Foreign Secretary's Special Representative for Climate Change in September 2013. Sir David was previously the Government's Chief Scientific Advisor from 2000 – 2007, during which time he raised awareness of the need for governments to act on climate change and was instrumental in creating the Energy Technologies Institute. He also served as the Founding Director of the Smith School of Enterprise and Environment at Oxford, 2008 – 2012. Some of his other appointments have included the Chair of Future Cities Catapult, Chancellor of the University of Liverpool, Senior Scientific Advisor to UBS, and Adviser to President Kagame of Rwanda.



His discipline is in physical chemistry working in surface science and catalysis. He has published over 500 papers on surface science and heterogeneous catalysis, and on science and policy, for which he has received many awards and medals. He has received 23 Honorary Degrees from universities around the world.

He was elected Fellow of the Royal Society in 1991, Foreign Fellow of the American Academy of Arts and Sciences in 2002, knighted in 2003, and made “Officier dans l’ordre national de la Légion d’Honneur” in 2009.

PROFESSOR Dr. JOHAN ROCKSTRÖM

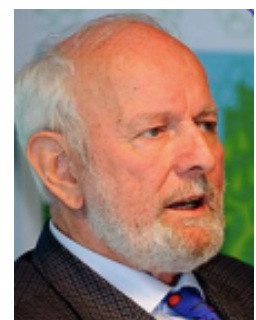
Johan Rockström is Director of the Potsdam Institute for Climate Impact Research, Professor at the Institute of Earth and Environmental Science at Potsdam University, and Professor in Water Systems and Global Sustainability at Stockholm University. Rockström gained international recognition with the development of the Planetary Boundaries framework, which has since become a standard of sustainability science. He is deeply involved in research activities covering a range of topics related to the Earth System and global sustainability in the Anthropocene, with the overarching research question: “What is the safe operating space for Humanity's future on Earth, and which sustainable transformations that can take us

there?” Rockström’s research creates considerable impact. For example, he received the prestigious European Research Council (ERC) Advanced Grant, and is ranked as one of the most influential and most-cited scientists in the world by Clarivate Analytics. In addition to his research endeavors, which have been widely used to guide policy, Rockström provides strategic scientific guidance as a member of the European Commission’s Expert Group ‘Mission Board for Adaptation to Climate Change, including Societal Transformation’ and the ‘Royal Swedish Academy of Sciences’. He regularly acts as an advisor to high-level international meetings and organisations, such as the World Economic Forum (WEF), the General Assembly of the United Nations (UNGA), the United Nations Sustainable Development Solutions Network (SDSN) and the United Nations Framework Convention on Climate Change Conferences (UNFCCC). Moreover, he is the Chief Scientist of Conservation International, as well as chairing the advisory board for the EAT Initiative on Health, Food and Sustainability, the Earth League, and Future Earth (co-chair) and the Earth Commission. Rockström’s work has been recognized with accolades, the most recent of which include the Prince Albert II of Monaco Climate Change Award (2020), the Hillary Laureate by the Hillary Institute of International Leadership (2017), the French distinction Knight of the Legion of Honour (2016), the German Environmental Award (2015) and the International Cosmos Prize (2015). Before becoming Director of the Potsdam Institute of Climate Impact Research, Rockström founded the Stockholm Resilience Centre at Stockholm University and was Executive Director at the Stockholm Environment Institute. He obtained a Master of Science (MSc) at the Swedish University of Agricultural Sciences, a Diplôme d’Agronomie Approfondie (DAA) at Institut National Agronomique Paris-Grignon, a Licentiate of Philosophy (PhLic) at Stockholm University, and completed a doctorate (PhD) in Natural Resources Management at Stockholm University.



PROFESSOR Dr. ERNST ULRICH VON WEIZSÄCKER

Prof. Ernst Ulrich von Weizsäcker was Co-President of the Club of Rome between 2012 and 2018. At the beginning of his career, Ernst served as professor and director of several universities and institutes, such as the UN Centre for Science and Technology for Development. In 1991, he became founding President of the Wuppertal Institute, which developed into a leading think tank on energy efficiency, material flows and climate policy. From 1998 to 2005 he was Member of the German Bundestag, chairing the



Committees on Globalization and the Environment. He then served as Dean of the graduate School of Environmental Science and Management at the University of California. In 2007, he was appointed Co-Chair (with Ashok Khosla) of UNEP's International Resource Panel. Ernst is lead author of three Reports to the Club of Rome: Factor Four (1995), Limits to Privatization (2005), Factor Five (2009) and Co-author of Come On! (2017) He lives in Emmendingen with his wife Christine, President of Ecoropa, and has five children.

Dr. MARK TREXLER

Dr Trexler started working on climate change mitigation at the World Resources Institute in Washington 1988, D.C. Three years later he launched the first business climate risk consultancy in the U.S. where he carried out the first carbon footprints, many of the first offset projects, and took the first company carbon-neutral in 1996. He also built the first carbon pricing model, and won the first contested power plant facility siting proceeding involving CO2 mitigation. In 2009 joined the global risk firm DNVGL as Director of Climate Risk, and co-authored the first "business climate risk" textbook for the London School of Economics in 2011.



The Climate Web which he carved out facilitates access to actionable climate knowledge for managing those uncertainties and risks. As noted by one Fortune 100 user, the Climate Web is like having 100 leading experts in climate science, climate risk, and corporate strategy at the decision-making table.

MR. H. DAVID TATTERSHALL

H. David Tattershall holds a BSc in Production Engineering (Leeds – UK), an MBA (Bradford – UK), and is qualified one year below the UK bar in IP and contract law. Those qualifications were obtained as a mature student following a full apprenticeship as a fitter/turner and basic training as a designer draughtsman.



Prior to being recruited to the US in 1980 David: serviced technological licenses in 16 countries; designed and installed 3 turn-key plastics plants in Spain, Canada,

and the USSR (Moscow - before the Wall fell); supervised RD and appraised all major capital investments for his then employer John Waddington Ltd.

After turning around several failing entities in the first years of his residence in the US David was approached by a group of high net-worth individuals to move to private consultancy. For the next 20+ years he specialized in pre and post investment analysis, writing business plans for entrepreneurs, and memorandums of offering for investors. During this period, he also personally secured two US patents.

In 2006 he was engaged to develop a business plan for software concerned with LEED certification. The starting point was a market survey to determine the status of climate change and thus an ability to project demand scenarios and ROI. Six months into this survey David became convinced that matters were so serious that he should close out his client base and resolve to devote himself fulltime to the subject.

Having assessed the situation in a conventional business framework David co-founded Hope or Cope, LLC and concluded that a key issue to resolving the overall problem would be independent finance; this on the basis that it was highly unlikely that sufficient funds could be derived from taxpayers. First, he worked closely with Danish parliamentarians and later the Nordic Council to produce a 90-page plan that was presented at a special Nordic Council seminar and resides in the Nordic Council reference library.

Following that presentation David strove to build the necessary contacts in order to further develop the Nordic region based basic plan; some of whom can be seen on LinkedIn - there are many others. Several of those contacts persuaded, and supplied references, for David to become an expert reviewer for the Synthesis Report for Policy Makers of AR5 and later for the 4th US Assessment. Most recently David has worked almost exclusively with Dr. Michael (Mike) MacCracken and Mr. Perses Bilimoria with a focus on accurately defining the ever-increasing problem of climate change and posing effective solutions.

Dr. IAN DUNLOP

Dr Ian Dunlop is Advisory Board Chair of the Australian Breakthrough National Centre for Climate Restoration and a Member of The Club of Rome. He has wide experience in energy resources, infrastructure, and international business. He worked at senior level in oil, gas and coal exploration and production, in scenario and long-term energy planning,



competition reform and privatization, for many years on the international staff of Royal Dutch Shell.

He chaired the Australian Coal Association in 1987-88, and the Experts Group which developed the first Australian national emissions trading proposal in 1998-2000. From 1997-2001 he was CEO of the Australian Institute of Company Directors. An engineer from the University of Cambridge (UK), he is a Fellow of the Australian Institute of Company Directors, the Australasian Institute of Mining and Metallurgy and the Energy Institute (UK), a Member of the Society of Petroleum Engineers of AIME (USA) and of the Advisory Board of the UNSW ARC Centre of Excellence for Climate Extremes.

PROFESSOR WILL STEFFEN

Prof. Will Steffen has a long history in international global change research, serving from 1998 to 2004 as Executive Director of the International Geosphere-Biosphere Programme (IGBP), based in Stockholm, Sweden, and before that as Executive Officer of IGBP's Global Change and Terrestrial Ecosystems project.



Will was the Inaugural Director of the ANU Climate Change Institute, from 2008-2012. Prior to that, he was Director of the ANU Fenner School of Environment and Society. From 2004 to 2011 he served as science adviser to the Australian Government Department of Climate Change. He is currently a Climate Counsellor with the Climate Institute, and from 2011 to 2013 was a Climate Commissioner on the Australian Government's Climate Commission; Chair of the Antarctic Science Advisory Committee, Co-Director of the Canberra Urban and Regional Futures (CURF) initiative and Member of the ACT Climate Change Council. Steffen's interests span a broad range within the fields of sustainability and Earth System science, with an emphasis on the science of climate change, approaches to climate change adaptation in land systems, incorporation of human processes in Earth System modelling and analysis; and the history and future of the relationship between humans and the rest of nature.

Dr. MIKE MACCRACKEN

Mike MacCracken is Chief Scientist for Climate Change Programs with the Climate Institute in Washington DC. His current research interests include human-induced climate change and consequent impacts, geoengineering, and the beneficial effects of limiting emissions of non-CO2 greenhouse gases. From 1968-93, Mike led research programs at Lawrence Livermore National Laboratory focused on investigation of the climatic effects of greenhouse gases, volcanic particles, land-cover change, and nuclear war. From 1993-97 he served as the first executive director of the interagency Office of the U.S. Global Change Research Program and from 1997-2001 as executive director of the National Assessment Coordination Office. Mike served as president of the International Association of Meteorology and Atmospheric Sciences from 2003-07 and as an integration team member for the Arctic Climate Impact Assessment from 2002-04. His undergraduate degree is from Princeton University and his Ph.D. from the University of California- Davis.



Ms. MRIDULA RAMESH

Mridula Ramesh is the author of critically well-regarded, 'The Climate Solution – India's Climate Change Crisis and What We Can Do About It'. She is founder of the Sundaram Climate Institute, which focuses on waste and water solutions and education. She is an active angel investor in cleantech start-ups, with a portfolio of over a dozen start-ups. Mridula sits on several angel management groups, including the Indian Angels and the Chennai Angels, and is involved in several initiatives to spur entrepreneurship to build climate resilience. A graduate with distinction from Cornell University (with majors in Chemistry and Microbiology), with an MBA from the Kellogg School of Management, Mridula worked at McKinsey in Silicon Valley before returning to India. Leveraging on her two decades of management experience, she teaches a postgraduate class on climate change at the Great Lakes Institute of Management and is a regular columnist for Firstpost on Climate Change and has written for the Hindu, Live Mint, Bloomberg Quint and Conde Nast. She is the Executive Director of Sundaram Textiles and lives and experiments in Madurai in a net zero-waste house with her husband and two children.



Mr. SJR KUTTY

Tata Motors Limited Mr. S J R Kutty is the Chief Sustainability Officer (CSO) at Tata Motors and heads the CSR & Sustainability verticals. Having been associated with Tata Motors since 1983, Kutty has worked in leadership roles across various functions including Manufacturing, the Engineering Research Centre (ERC), Strategy and Business Planning. In his immediate previous role, he was the Head of Vehicle Attributes & Technical Services (VATS), and successfully led the migration to BS 6 emission norms, NVH (Noise, Vibration & Harshness), IPR, Innovation, and the development of India's first 5-star GNCAP safety rated car. In an earlier role as Head of Strategic Projects, he delivered an efficient cost management exercise across the company.



Kutty's rich qualifications include an Engineering degree in Metallurgy from the reputed College of Engineering (COE) Pune and a Bachelors in Law (LLB) from ILS Law College, Pune. Awarded the Tata – BP scholarship, he completed his MBA from the Imperial College London.

An acclaimed teacher of Business Ethics, Business Strategy and Employee Engagement, Kutty lectures at several business schools in India. He is also actively involved in leadership development and has mentored a number of students and professionals, enabling them to excel in their areas of competence

Ms. MAHUA ACHARYA

Mahua Acharya is the Managing Director and Chief Executive Officer of newly formed energy transition company - Convergence Energy Services Limited. Mahua has two decades of experience in green finance, renewable energy, and carbon markets having worked in multiple countries. For the last few years, Mahua was the Assistant Director-General of 29-country intergovernmental agency the Global Green Growth Institute, Seoul where she established an investment division that worked across 16 countries and mobilized USD500 million of financing commitments. She was previously managing director of a carbon credit-based investment business investing in efficient lighting to low income households in India. She is one of the early pioneers of the carbon market—having been at the World Bank in Washington DC in its early days of the carbon markets and the carbon funds business.



Mahua is co-founder of an executive education program at the Indian Institute of Management, Ahmedabad, serves on the boards of multiple international entities and has appeared on international and Indian listings of women in leadership.

Mahua holds a Masters' degree from Yale University.

Dr. PRAVEER SINHA, CEO and MD, Tata Power Ltd

Dr. Praveer Sinha has over three decades of experience in the power sector and has been credited with transforming the power distribution sector and development and setting up of greenfield and brownfield power plants in India and abroad. Dr. Sinha holds a Master's Degree in Business Law from National Law School, Bengaluru and is also professionally trained as an Electrical Engineer. He is also a member of the Faculty Board at Faculty of Management Studies and a member of Board of Governors at the Indraprastha Institute of Information Technology, Delhi. He is a Research Scholar at the Indian Institute of Technology Delhi and is also a visiting Scholar at Massachusetts Institute of Technology, Boston, USA. Before his appointment in Tata Power, Dr. Sinha was the CEO & Managing Director of Tata Power Delhi Distribution Limited (Tata Power-DDL). Tata Power-DDL is a Public Private Partnership (Joint Venture) between the Company and Government of National Capital Territory of Delhi, supplying power to over seven million people in North and North-West Delhi.



Mr. SAURAV MALHOTRA

Saurav Malhotra is the co-founder and designer of the Balipara Foundation's Rural Futures framework. Saurav believes in stewardship by indigenous groups to create a new pathway for development and biodiversity restoration. Through the Rural Futures programme, Saurav and his team across the Eastern Himalayas are implementing a framework for community-led habitat restoration linked to universal basic asset delivery.



Dr. ASHOK KHOSLA

Dr Ashok Khosla founded Development Alternatives in 1982 as a major step towards fulfilling his dream for sustainable development. Over the years, Dr Khosla has worked tirelessly to demonstrate the theory and practice of sustainable development through his teachings, inspiring fostering and delivery of environmentally friendly and commercially viable technologies. He is responsible for policy, strategic planning and the overall supervision of the organisation's operations. He has been working towards the development and dissemination of effective environmental management systems and the design and advocacy of appropriate policies and institutions both in India and on the international arena. A PhD in Experimental Physics from Harvard University, he has chaired and managed positions of eminence, globally. Starting from 1976 when he was appointed director for UNEP's Infoterra he has gone onto leading institutions like Environmental Planning, Gov't of India, Delhi (1972-76), International Union for Conservation of Nature (2008), Club of Rome (2006), United Nation's International Resource Panel (2007) and many more. His work and expertise has been recognized globally with accolades. In 2002 he was awarded the United Nations Sasakawa Environment Prize. This was followed by the Schwab Foundation Award for Outstanding Social Entrepreneur in 2004; Officer of the Order of the British Empire (OBE) in 2008 and Duke of Edinburgh Conservation Medal at Buckingham Palace (2011) in recognition for his outstanding, life-long service to the environment.



Mr. RANJIT BARTHAUR

Ranjit, is an ardent social entrepreneur, with a special interest in improving health and education, and preserving culture and environment across the Eastern Himalayas. He is the Chief Architect of the vision behind Naturenomics™ - developed in collaboration with Globally Managed Services (GMS), and has co-founded several initiatives in the same vein. Through Naturenomics™, Ranjit and his team at the Balipara Foundation have developed Rural Futures, a vision for enhancing community-based conservation and social mobility through natural capital regeneration. He has been instrumental in developing a series of six volumes of Naturenomics™ defining the interdependence between communities, ecology and economics. As the Founder & President of the Balipara Foundation, an organization focused on Eastern Himalayas, he has worked towards achieving ecological neutrality and building knowledge on the region. He also Chairs



The Eastern Himalayan Botanic Ark, a company that pioneered initiatives in Community driven Tea, Nature and mindful Tourism. His Engagements - Governing Board Member: He is currently a member of the governing board for ATREE, one of South Asia's leading conservation and environmental cross-disciplinary research organizations. A member of the Advisory Council of British Asian Trust, he works towards developing catalytic grassroots solutions for uplifting the disadvantaged population of South Asia. Ranjit Barthakur is currently also a member of the Governing Board for the Centre for Microfinance & Livelihood, an organisation focused on researching, formulating and facilitating the implementation of Public Private Partnerships in Northeast India.

Socio - Economic Commitments: Through his role as Chairman of FICCI's North East Advisory Council, he has contributed to the growth and development of the North East. A lover of Cricket, he is also the Chairman of the Indian Premier League (IPL), Rajasthan Royals. Advisor at Tata Consultancy Services (TCS) and Tata Consumer Products. Ranjit held a cabinet rank as an advisor to the Chief Minister of Assam from 2002 to 2015.

Lt. GEN ARUN SAHNI, PVSM, UYSM, SM, VSM

Lt Gen Arun Sahni is a decorated scholar soldier, with 40 years of commissioned service in Army. At the time of retirement, holding the second highest rank in the army, he was responsible for an Operational Command on India's Western Borders.



He has been a high achiever throughout his career and was awarded the *Sword of Honour and President's Gold Medal*, on being commissioned. His dynamic leadership is reflected by the decorations that he has been bestowed with during service. His experience in different operational environments in India and abroad including Sri Lanka and Counter terrorist operations in the North East and J & K, training with the British Army, military diplomat in Russia and tenantry critical key appointments at the apex level of the army in Military Operations, and Information Technology, has empowered him with incisive strategic and security insight.

The officer is a prolific writer on security issues and an active speaker at various seminars, forums and academic/training Institutions. He covers a wide range of subjects - national security, international and regional dynamics impacting India, new age warfare including cyber, *internal security dynamics & CT operations*, NE dynamics including India's 'Act East' policy, leadership aspects and more recently issues on sustainability and environmental issues.

Presently, he is an advisor to a leading Corporate for its 'Make in India' initiatives. He is *mentoring startups* in the domain of cyber security and robotics and steering the activities of the COR -India, an environmental policy group, '*pro bono*'. He is a *Distinguished Fellow* with two premier think tanks in Delhi. An avid golfer and polo player, he was till recently the *Vice President of Indian Polo Association*.

Mr. PERSES BILIMORIA

Perses Bilimoria, was born in Mumbai on September 4th, 1959. He completed his education at The Cathedral and John Connon High School, in Bombay and thereafter his Bachelor of Commerce, with honors, at Bombay University. He is the Founder and Chief Executive Officer of Earthsoul Bio Products LLP. He was a member of the Committee of Experts on Plastics in Waste Management, constituted by the Ministry of Environment and Forests in New Delhi and sits on the Standards Committee for the Bureau of Indian Standards, with Special Reference to Biopolymers from Renewable Resources in India. He was also a Member of the Environment Committee of FICCI and Member of the Steering Committee on Waste Management for CII. He is the Pioneer of the Bio-Polymer Movement in India, as is Founder President of the proposed Biodegradable Polymer Association of India. He was CEO of the family owned, Cobra Beer and launched the brand in India in 2002. He has recently been appointed as an Advisory committee member of the International Biochar Initiative (IBI), headquartered in Washington DC. He is also the Founder President of the Society of Biochar Initiatives, an NGO formed for soil remediation in India, in January, 2010. He is a Director of the Club of Rome - Indian chapter. He has recently been appointed as Chairman of The Converging World – a UK based charity, involved with renewable energy, wind farms in South India and the profits of which are utilized for re-forestation and community development. (www.theconvergingworld.org). He has mentored several startups, with a focus on net zero and sustainability. He has authored several reports on Climate Change and the future of Industry. He has recently been appointed as Honorary Consul for the Grand Duchy of Luxembourg for Maharashtra, Gujarat and Goa.