

International Consultation

At Four Points by Sheraton, Pune - 3 and 4 October, 2018

Adapting Agriculture in
Semi-Arid India to a
Global Temperature Rise of **1.5°C**



25 WOTR



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SPEAKER PROFILE

Dr. Marcella D'Souza

Executive Director, Watershed Organisation Trust

Dr. Marcella D'Souza is the Executive Director of WOTR. A doctor by profession, she decided to work on Community Health. Marcella is a former student of the Government Medical College, Nagpur and a Takemi Fellow of the Harvard School of Public Health. Of the very nearly 3 decades she spent working in rural development, Marcella put in six years in the Peruvian Andes where she composed a huge scale network on community-led health care system. In the wake of joining WOTR in 1995, she worked as program facilitator for women's advancement in the Indo-German Watershed Development Program and built up the instructional method to incorporate the community wellbeing, gender concerns and women's strengthening in the male overwhelmed space of land-based, specialized watershed improvement. Marcella took up the role of Executive Director of WOTR in 2006.



Dr. Christian Siderius

Wageningen University and Research



Dr. Christian Siderius is an Adaptation and Water Resources Management expert, working as a Research Fellow at the Grantham Research Institute at LSE in London, and at Wageningen University and Research in the Netherlands. He holds a Master's degree in Hydrology and a PhD in Environmental Economics from Wageningen University in the Netherlands. His research areas include the influence of climate variability on people's vulnerability and adaptation strategies. Over the past 12 years, he has been involved in several projects focusing on water management in general and adaptation to climate change in specific. Currently, he works

on decision making under uncertainty in central and southern Africa (UMFULA and El Nino project) and coordinates participatory research on adaptation in different pilot areas in South Asia for the 'HI-AWARE' project, amongst others on heat stress in India.

Mr. Shankar A. Pande

Chief General Manager, Farm Sector Policy, NABARD

Mr. Shankar A. Pande is currently Chief General Manager, Farm Sector Policy, at the National Bank of Agriculture and Rural Development (NABARD), Mumbai. At present, he steers the designing of policies for agriculture, rural development and the climate change initiatives of NABARD. He has over 30 years of experience in development banking, of which 16 years were in senior management. His areas of interest are development policy, development finance, financial inclusion, micro finance and infrastructure funding. His more recent area of interest is in supporting climate actions and finance. He has addressed national and international conferences in countries like South Korea, Uganda, Kenya and the Philippines. He has a postgraduate degree in Soil Science from the Indian Agricultural Research Institute, New Delhi.



Dr. S.D. Attri

Dy. Director General, IMD



Dr. Attri is currently the Deputy Director General of Meteorology for the Indian Meteorological Department, Government of India. His areas of interest include Agrometeorological Modeling and Services and Climate Change, among others. He has been a member of the Commission for Atmospheric Sciences Management Group of the World Meteorological Organization (WMO), Geneva Switzerland. He was also felicitated and awarded a Commendation Certificate by the Prime Minister of India in November 2007 for his contribution to the work of the Intergovernmental Panel on Climate Change (IPCC). He has also served as a member of the Environmental Appraisal Committees of the Ministry of Environment, Forests and Climate Change (MoEFCC). He has published more than 100 research papers and books, and has participated in several international and national conferences/meetings/workshops on agrometeorology, climate change, data management, etc.

Mr. Deepak Singla

IAS, Commissioner, Soil and Water Conservation, Government of Maharashtra, WALMI

Mr. Singla is currently the Commissioner, Soil and Water Conservation for the Government of Maharashtra. He joined the Indian Administrative Services in 2012, and has served as a Sub Divisional Magistrate for the Government of Maharashtra, and as a Chief Executive Office, Zilla Parishad for the Government of Maharashtra before becoming the Commissioner, Soil and Water Conservation in January, 2018. He is Chartered Accountant by subject background.



Dr. Richard Thomas

Senior Scientific Advisor, Economics of Land Degradation & ICARDA



Dr. Richard Thomas is currently a scientific coordinator for the Global Economics of Land Degradation Initiative. He was the program director for the CGIAR's-Drylands System Program located at the International

Centre for Agricultural Research in Dry Areas (ICARDA) in Amman, Jordan. He was previously the Assistant Director at the United Nations University –Institute for Water, Environment and Health based at McMaster University, Hamilton, Canada. He was a program leader at the International Center for Tropical Agriculture (CIAT) in Colombia. He is a graduate of the University of Wales, U.K. with a B.Sc. and Ph.D. in botany and microbiology. His broad research interests include integrated soil, water and nutrient management in crop-livestock systems in Latin America, Africa, West and Central Asia. He has published 120 refereed journal articles, written 41 book chapters, co-edited 4 books and 26 other articles of general interest.

Dr. Aradhana Yaduvanshi

Researcher, W-CReS, WOTR

Dr. Aradhana Yaduvanshi is currently working with W-CReS, WOTR. She is a researcher in the field of Hydro-meteorology, with a passion for the application oriented research to bridge the gap between climate science and practice on ground for betterment of society. With six years of experience in technical as well as non-technical research, she has proven ability in processing, interpreting and communicating complexity of global climate projection data, extreme events and rainfall variability into impact based studies for hydrological assessment, socio economic-vulnerabilities and risk mapping.



Dr. R.P. Pandey

Scientist G, National Institute of Hydrology, Roorkee



Dr. Rajendra Prasad Pandey is currently working as a scientist G at the National Institute of Hydrology, Roorkee India. He has authored 138 research papers, eight chapters and been the co-author of a book. He contributed his professional services to United Nations Convention to Combat Desertification (UNCCD) as a member of Science-Policy-Interface (SPI) from 2014-2017 to facilitate two-way dialogue in translating scientific information into policy formulation on drought and desertification. He holds a Bachelors and Masters in Technology from the College of Agricultural Engineering, Jabalpur and a PhD in Hydrology in 2008 from the Indian Institute of Technology, Roorkee India.

Dr. J. Sanjay

Scientist E, Indian Institute of Tropical Meteorology, Pune

Dr. J. Sanjay is currently working as a Scientist E at the Centre for Climate Change Research (CCCR), Indian Institute of Tropical Meteorology (IITM), Pune. He joined IITM in 1988, prior to which he completed his PhD Physics from Savitribai Phule Pune University and MSc. in Meteorology at the Cochin University of Science and Technology India. His area of specialization is Regional Climate Change with a focus on the generation of future climate change scenarios for Indian monsoon region using dynamical downscaling techniques. He has contributed to the World Climate Research Program (WCRP) initiative CO-ordinated Regional climate Downscaling Experiment (CORDEX) led by CCCR-IITM in South Asia. He is also a scientific knowledge partner on climate science for a segment of the International Collaborative Adaptation Research Initiative in Africa and Asia (CARIIAA) research program on climate change Adaptation at Scale in Semi-Arid Regions (ASSAR) of India.



Dr. Purnamita Dasgupta

Chair Professor & Head, Environmental & Resource Economics Unit at the Institute of Economic Growth, Delhi



Dr. Purnamita Dasgupta is Chair Professor and Head, Environmental and Resource Economics Unit at the Institute of Economic Growth, Delhi. In the past, she has been a visiting professor at University of Cambridge, UK and Johns Hopkins University, USA. Broadly, her area of interest is the relationship between environmental economics and economic development. She has published widely, and her research has been supported by the Ministry of Environment, Forests and Climate Change (MoEFCC), Finance Commissions, Ministry of Urban Development, UNDP, ICSSR, IDRC, and DFID, among others. She has been author/advisor to several international research initiatives and assessments including the Intergovernmental Panel on Climate Change which soon to be launched Special Report on 1.5 degrees, Collaborative Adaptation Research Initiative in Africa and Asia (CARIAA), etc. She has been a member of the Supreme Court committee on NPV for forests, and the expert committee to evolve environmental standards in India, among others.

Mr. Vikas Chandra Rastogi

IAS, Project Director at Government of Maharashtra

Mr. Vikas Chandra Rastogi, IAS, is currently Project Director, Maharashtra Project on Climate Resilient Agriculture. He has over 20 years of administrative experience in diverse departments of the government. He has in the past served as the Collector, Ratnagiri district, the Chief Executive Officer of Zilla Parishads in Aurangabad, Ahmednagar and Parbhani districts, Joint Secretary to the Governor (Development Boards) and Joint Commissioner, Sales Tax, Mumbai. His areas of professional interest include rural development, e-governance, social sector development and delivery of public services. He holds a B. Tech and M. Tech. from the Indian Institute of Technology Delhi, an L.L.B. from Mumbai University and a Masters in International Development Policy, Duke University, US.



Dr. Milind Bunyan

Coordinator, Ashoka Trust for Research on Ecology and the Environment (ATREE)



Dr. Milind Bunyan is currently working as a Research Scientist at Ashoka Trust for Research on Ecology and the Environment (ATREE). He is also the coordinator for ATREE's doctoral programme on Conservation Science and Sustainability Studies. He has completed his Master's degree from Forest Research Institute, and PhD from University of Florida in 2009. He was also the recipient of the Doris Lowe and Earl and Verna Lowe Scholarship in 2007. He has been working broadly in the field of ecology, and has widely

published in various peer reviewed international and national journals.

Dr. Vijayasekaran Duraisamy

Researcher, W-CReS, WOTR

Dr. Vijayasekaran Duraisamy is a Researcher at the Watershed Organisation Trust – Centre for Resilience Studies (W-CReS) in Pune and affiliated to the Remote Sensing and GIS Division. He has completed his Ph.D. in the field of Remote Sensing and Geographical Information System (GIS). He has 8 years' experience in this field and has worked in various government projects related to watershed impact assessment studies, land use mapping, coastal zone management clearance, etc. He currently works on multi-disciplinary applied research projects and his research interests are Land Use Land Cover and climate change, vegetation mapping, remote sensing application in water resources and Groundwater exploration studies, Satellite Agro-meteorology.



Ms. Seema Kulkarni

Senior fellow, Society for Promoting Participative Ecosystem Management (SOPPECOM)



Ms. Seema Kulkarni is a senior fellow at the Society for Promoting Participative Ecosystem Management (SOPPECOM) Pune, India. She is also national facilitation team member of the Forum for the rights of women farmers. She holds an MA degree in Social Work from the Tata Institute of Social Sciences, Mumbai. She has over 25 years of experience of working in drought-prone rural areas of Maharashtra. Her key areas of interest are gender and natural resource management. She has been associated with the women's movement of Maharashtra, working on peasant women's claims and rights to land and water resources. She has contributed many articles for various journals and conferences around gender and rural livelihoods.

Dr. Swapnil Vyas

Assistant Professor, Savitribai Phule Pune University

Dr. Swapnil S. Vyas is currently working as an Assistant Professor at the Department of Geography (Geoinformatics) at the University of Pune. In the past, he served W-CReS for one and half years as a research consultant. His main focus area of research was effects of heat on LULC, draw-down farming, climate change, resilience and adaptation. Prior to this, he was working as a research scholar at the Space Applications Center, (ISRO, Ahmedabad) and India Meteorological Department (IMD, Pune). There, his research focus was on remote sensing of drought, agro meteorology, climate change and vegetation. He has completed his Masters in Geoinformatics from the University of Pune and PhD in Remote Sensing from the Nirma University, Ahmedabad. Dr. Vyas's contributions to the field of application of remote sensing are noteworthy, as is evident from his several publications in peer reviewed journals.



Dr. Vaibhav Bhamoriya

Chairperson, PGP and Faculty – Economics, IIM Kashipur



Prof. Vaibhav Bhamoriya is a fellow at the Indian Institute of Management Ahmedabad. His total experience of almost a decade spans more than six years of teaching experience at IIM Ahmedabad and IIM Indore apart from non-profit international research experience with IWMI and corporate manufacturing experience at Saurashtra Cements Limited. He has taught various courses such as Micro-Economics, Economics of the Rural Urban Divide, Agricultural Entrepreneurship, Unlocking Rural Potential, Rural Marketing, Agricultural Input Marketing, Agricultural Warehouse Management, Agricultural Finance, and Project Management. His course titled “Managing Sustainability” developed and co-taught with Prof. Turaga Rama Mohan at IIMA received a Global mention for the Page Prize in Sustainability Curricula.

Dr. Subimal Ghosh

Associate Professor, Indian Institute of Technology Bombay

Dr. Subimal Ghosh (PI) is currently serving as an Associate Professor in Climate Studies and Water Resources Engineering at the Indian Institute of Technology Bombay. He has expertise in hydro-climatology, specifically in regional climate modelling, understanding of the Indian Monsoon and its variability, mesoscale hydrological modelling, water resources systems and simulating land surface feedbacks to climate, with about 10 years of research experience. He is a lead author of the IPCC assessment report 6 and a member of the Editorial Board of Journal of Earth System Science, and has around 70 journal publications, which include Nature Climate Change, Nature Communications etc. He is PI/Co-I in multiple sponsored research projects funded by Ministry of Water Resources and Ministry of Earth Science, among others. He is the recipient of numerous awards like the Indian National Science Academy Young Scientist Award.



Dr. Dipankar Saha

Former member of the Central Ground Water Board, Ministry of Water Resources, Government of India



Dr. Saha is a former member of the Central Ground Water Board, Ministry of Water Resources, and Government of India. He has completed his PhD in Groundwater Management from ISM University, Dhanbad, and his MSc in Geology from University of Calcutta. He has worked on groundwater quality and pollution, the availability, storage, artificial recharge and sustainable usage of groundwater resources. He has several research publications in various peer reviewed journals and has made presentations at prestigious conferences in the country and abroad.

Dr. Raymond A. Duraiswami

Assistant Professor, Savitribai Phule Pune University

Dr. Raymond A. Duraiswami presently works as Assistant Professor at the Department of Geology Savitribai Phule Pune University, Pune and has varied interests in igneous petrology, physical volcanology and hydro geochemistry of groundwater from the Deccan Traps and associated formations. He has co-edited 5 books and has published 63 papers in national



and international journals. The hot springs from the Himalayas and Sahyadris and their economic exploitation are of special interest to him. In India, he has worked in diverse terrains such as the Higher Himalayas of Ladakh and Karakoram, Sikkim, Andaman Islands, Thar Desert and salt flats of Kutch. He is Fellow and Life Member of Professional organizations like Geological Society of India, Bangalore, Indian Science Congress Association, Calcutta, Gondwana Geological Society, Nagpur, Wadia Institute of Himalayan Geology, Dehradun, and Indian Society of Geometrics. At present 8 Ph.D. research scholars working on diverse geo-environmental topics are registered under his guidance.

Ms. Ankita Yadav

Jr. Researcher, W-CReS, WOTR



Ms. Ankita R. Yadav is a Jr. Researcher at the WOTR Centre for Resilience Studies (W-CReS), Pune. She has completed her Masters in Geology from University of Pune in 2015. Ms. Ankita has expertise in hydro-geological investigations and aquifer delineation. She is currently working on research studies of the impacts of climate change and anthropogenic actions on hydro-geological settings of hard rock terrains of Maharashtra and Telangana. She has worked on water quality analysis of Mula-Pravara sub-basins, highlighting the areas prone to poor quality water resources. She is a part of several water-literacy trainings and workshops organized for rural communities, students, policy makers and practitioners. Prior to joining WOTR- W-CReS, she has worked intensively on springshed development in parts of Western Ghats (Sahyadri and Nilgiri Mountains).

Dr. B. Venkateswarlu

Ex-Vice-Chancellor, Vasanttrao Naik Marathwada Krishi Vidyapeeth, Parbhani

Dr. Venkateswarlu is Ex-Vice-Chancellor of Vasanttrao Naik Marathwada Krishi Vidyapeeth, Parbhani. He has over 35 years of research and administrative experience in Indian Council of Agricultural Research (ICAR). He was Director, CRIDA, Hyderabad for six years. His main areas of research are Dryland Agriculture and Climate Change. He formulated and co-ordinated the National Initiative on Climate Resilient Agriculture (NICRA) project of ICAR. He has authored 10 books, 250 research publications and 1 patent. He served as a member of a large number of national level expert committees under Ministry of Agriculture, Rural Development and Planning Commission. He received several awards from ICAR, GoI and GoM. He is the fellow of National Academy of Agricultural Sciences and A.P. Academy of Sciences.



Dr. S. Naresh Kumar

Professor and Principal Scientist, Indian Agricultural Research Institute (ICAR), New Delhi



Dr. S. Naresh Kumar is currently Professor and Principal Scientist at the Centre for Environment Science and Climate Resilient Agriculture, Indian Agricultural Research Institute (ICAR), New Delhi. His areas of interest

include Climate Change Impact and Adaptation Assessments, Crop Simulation Modelling and Eco-physiology of crops. From 1995 to 2008, he worked at the Central Plantation Crops Research Institute on drought tolerance mechanism, drought management, climate change impacts, adaptation, carbon sequestration, etc. He is also an Expert Reviewer of IPCC reports. He is currently leading the modelling teams in various projects by the National Initiative on Climate Resilient Agriculture (NICRA) and the Ministry of Environment Forests and Climate Change (MoEFCC).

Dr. K. Sammi Reddy

Acting Director, Central Research Institute for Dryland Agriculture (CRIDA)

Dr. K. Sammi Reddy is currently the Acting Director of ICAR - Central Research Institute for Dryland Agriculture (CRIDA). His major research areas are Soil health and quality, Carbon Pool Dynamics and Carbon Sequestration in Soils, Soil Testing and Fertilizer and Manure Recommendations to Different Crops; Efficient Nutrient Management in Different Production Systems. He is a life member of the Indian Society of Soil Science, the Indian Society of Dryland Agriculture and Association of Agro-meteorologists. He has also served as a Scientific Assistant at NRSA; as a Scientist, & Senior Scientist at IISS, Bhopal; as a Principal Scientist and Head at CRIDA, Hyderabad. He has also been awarded with Golden Jubilee Commemoration Young Scientist Award, 12th International Congress Commemoration Award and Hari Om Ashram Trust Award. He also worked for National Academy of Agricultural Sciences as an Associate Fellow.



Dr. R Balasubramanian

Professor of Agricultural Economics, Tamil Nadu Agricultural University, Coimbatore



Dr. Balasubramanian is currently a professor of Agricultural Economics at Tamil Nadu Agricultural University, Coimbatore, where he has been working for the last 30 years in various capacities. His research interests include agricultural and rural development issues with a particular focus on economics of energy use in agriculture, natural resource economics, and issues concerning land and water resources, and economics of climate change. He has worked on a number of research projects which have been funded by donors like ICAR, NABARD, State Planning Commission Tamil Nadu, The Nature Conservancy, USA, etc. He has published several of these as research papers and has presented them in national and international conferences. He has also been a visiting professor at University of Wisconsin, USA from 2001-02, and at Konkuk University, South Korea, from 2009-11.

Ms. Anuradha Phadtare

Researcher, W-CReS, WOTR

Ms. Anuradha Phadtare is currently working with W-CReS, WOTR. She holds a Master's degree in Social work and is currently pursuing M.Phil in social work from Karve Institute of Social Sciences, Pune. She has 9 years of experience in the development sector. Her core areas of work are



assessing vulnerabilities of differential communities, climate resilient adaptation planning and framework, gender studies and socio-economic assessment studies. She has also published several research articles and one chapter in a book on climate resilient planning is under publication in Springer's Handbook of climate change resilience.

Dr. Swenja Surminski

Head of Adaptation Research, Grantham Research Institute, London School of Economics and Political Science (LSE)



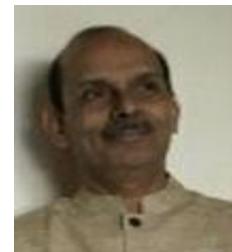
Dr. Swenja Surminski is Head of Adaptation Research at the Grantham Research Institute on Climate Change and the Environment, part of the London School of Economics and Political Science (LSE), overseeing social science research projects on climate adaptation, loss and damage due to climate change, and disaster risk finance with a geographical scope ranging from the United Kingdom to developing countries. Swenja's research is investigating climate risk management and resilience strategies focusing on public policies, financial instruments and individual behaviour through a mix of inter-disciplinary approaches, integrating concepts from

geography, climate science, economics and governance studies. Swenja received a PhD in Political Science from Hamburg University for her work on 'Climate Change and the Insurance Industry' in 2002.

Mr. N. Srinivasan

Ex-CGM, NABARD

Mr. N. Srinivasan currently serves as an independent director, apart from Equitas Small Finance Bank, on the boards' three companies, three development trusts. He has been a member of the Indian Microfinance Equity Fund supervisory board (SIDBI/GOI) for over three years. He had been a central banker and development banker for 30 years in Reserve Bank of India and NABARD. He holds a master's degree in economics. Over the last ten years ago, he has been involved in design, supervision and evaluation of policy, strategy and implementation of several development finance, rural development projects and building institutions in India and abroad. His areas of interests are development banking, microfinance, rural finance, livelihoods and financial inclusion. He has authored Microfinance India SOS Reports for four years which are regarded as reference material for the sector. He has jointly authored the State of India's Livelihoods report for the years 2015 to 2017 besides contributing to many other books as a joint author. As an international expert on development finance and livelihoods, he continues to work with the World Bank, IFAD, GIZ, KFW, Microsave and other institutions as a consultant and advisor.



Col. Vishwas Narhar Supanekar (Retd.)

Director, Centre for Disaster Management (CDM), Yashwantrao Chavan Academy of Development Administration (YASHADA)



Col. Supanekar (Retd.) is currently an Associate Professor and the Director of the Centre for Disaster Management (CDM) at Yashwantrao Chavan

Academy of Development Administration (YASHADA) in Pune. He was a Commissioned Officer in the Indian Army from 23rd December, 1973 to 30th June, 1998. He has been the Director of CDM since 2007, and has been involved in training of State administrators in Disaster Management, and preparation of Disaster Management Plans.

Mr. Arpan Golechha

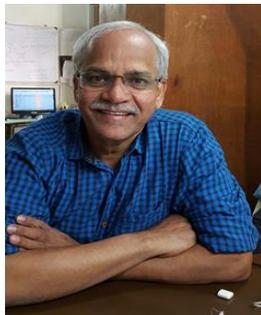
Researcher, W-CReS, WOTR

Mr. Arpan Golechha is currently working with WOTR as a researcher. He has a keen interest in socio-economic issues, governance and policy, climate change adaptation, and climate Finance. He has completed his Master's degree in Regulatory Governance from the Tata Institute of Social Sciences and Bachelors in Economics from the University of Calcutta. He has been working broadly in the field of Economics and has done substantial research on crop insurance and the cost of adaptation. The latter has been published as an extended abstract at the Adaptation Futures 2018 conference in South Africa.



Dr. K. J. Joy

Senior Fellow, Society for Promoting Participative Ecosystem Management (SOPPECOM)



Dr. K. J. Joy is currently a Senior Fellow and one of the founding members of the Society for Promoting Participative Ecosystem Management (SOPPECOM). He also coordinates the activities of Forum for Policy Dialogue on Water Conflicts in India. He has been an activist-researcher for more than 30 years and his areas of interest include drought, institutions, participatory irrigation management, river-basin management, multi-stakeholder processes, water conflicts, water ethics and people's movements. He was an activist with Mukti Sangharsh Movement in South Maharashtra. He has also worked with Bharat Gyan Vigyan Samithi (BGVS) in its resource literacy and watershed programme. He was a

Fulbright Fellow with the University of California at Berkeley and has a Masters' Degree in Social Work from the Tata Institute of Social Sciences, Mumbai.

Mr. Claude Bourdin

International Coordinator, Farmer's Dialogue

Mr. Bourdin is currently an international coordinator for Farmer's Dialogue, which is an international programme initiated by an NGO called Initiatives of Change International. It works towards helping farmers deal with the multiple challenges they face today. He is trained as an agricultural engineer, and after working as an extension agent for farmers for two years, he worked as a volunteer for Initiatives of Change International. He has also been involved in local and rural development activities, and has been the Director of a Farmers-Employers Group.



Dr. Anindya Chatterjee

Regional Director, Asia, International Development Research Centre



Dr. Anindya Chatterjee is Regional Director, Asia, of the International Development Research Centre. He has provided leadership in research, research management, policy, and program development in the area of global health and development. Dr. Chatterjee formerly worked internationally with United Nations' development agencies, research agencies, government authorities, and non-governmental organizations. He has been closely involved with national programs in several countries in Asia, Africa, and the Middle East. Dr. Chatterjee is the author of several articles, monographs, and books on topics such as HIV/AIDS prevention in Asia. Graduate of the Kolkata Medical College and Hospital, he also holds a doctorate in psychiatry from the University College of Medicine in India, and post-doctoral training in anthropology and public health at both the University of Calcutta, and UCLA School of Public Health.

Prof. S. Janakarajan

President, South Asia Consortium for Interdisciplinary Water Resources Studies

Professor S. Janakarajan, former professor at Madras Institute of Development Studies (MIDS), is currently the President, South Asia Consortium for Interdisciplinary Water Resources Studies, Hyderabad. He is also associated with Centre for Water and Development, SOAS, University of London in the capacity of (visiting) Professorial Research Associate. He is the Steering Committee member of Forum for Policy Dialogue on Conflict Resolution on Water in India. He was a post-doctoral Fellow at Cornell University, USA. He has authored several international publications. Professor Janakarajan has been working on water, ecology and environment related issues for over three decades. His current interests are urban and rural water, climate change and adaptation, delta vulnerability and food security and trans-boundary water disputes.



Mr. Crispino Lobo

Co-founder and Managing Trustee, Watershed Organisation Trust (WOTR)



Mr. Crispino Lobo is the co-founder and managing trustee of WOTR. He has more than 25 years of engagement in rural development issues which ranges from ground level execution and program administration to approach commitment. His areas of expertise include Natural Resource Management, Watershed Development, Integrated Water Resources Management, Sustainable Agriculture, Climate Change Adaptation, institutional and policy advancement. He worked as a Program Coordinator of the large scale and well acclaimed Indo-German Watershed Development Program (IGWDP) in Maharashtra for 13 years. He has co-founded 4 non-profit institutions – Watershed Organization Trust (WOTR), the Sampada Trust (ST), Sanjeevani Institute of Empowerment and Development (SIED) and Sampada Entrepreneurship and Livelihood Foundation (SELF). Recently, along with NABARD, he has initiated the establishment of the National Adaptation Fund (NAF) by the Government of India.

Mr. U.D. Shirsalkar

Chief General Manager, NABARD

Mr. Uday Dattatraya Shirsalkar is currently the Chief General Manager of National Bank for Agriculture & Rural Development (NABARD), and is posted at the Maharashtra Regional Office of NABARD at Pune. Shri Shirsalkar has 33 years of rich and varied experience in areas that include State Projects Funding, Corporate Planning, supervision over banks, implementation of watershed development and tribal development projects, Human Resources Management, etc. He also worked as a District Development Manager in Maharashtra and as Faculty Member in Bankers Institute of Rural Development, a training institute owned by NABARD. He holds a bachelor's degree in science, post-graduate diploma in business management with specialization in Finance and is a Certified Associate of the Indian Institute of Bankers.



Mr. Eknath Dawale

IAS, Secretary, Soil & Water Conservation and Agriculture, Government of Maharashtra



Mr. Eknath Dawale, is currently Secretary, EGS; Soil & Water Conservation and Agriculture, Government of Maharashtra. He has served in a variety of positions including Chief Executive Officer Zilla Parishad, Washim, District Collector of Akola and Latur, Divisional Commissioner, Nashik Division and Commissioner, Animal Husbandry. He holds an M.Tech in Production Engineering.

Dr. K. P. Viswanatha

Vice-Chancellor, Mahatma Phule Krishi Vidyapeeth, Rahuri

Dr. K.P. Viswanatha is currently Vice-Chancellor at the Mahatma Phule Krishi Vidyapeeth, Rahuri. He has done his PhD in Genetics and Plant Breeding. Out of a total of 37 years of experience, he holds 17 years of experience as a Professor. He has also executed projects as Principal Investigator for 12 years. He has served at the University of Agricultural Sciences, Bengaluru as Director of Research & Director of Extension Education, as Associate Director of Research at ZARS in Hiriyyur, Karnataka, and as Scheme Head at the All-India Coordinated Research Project on arid legumes at the Gandhi Krishi Vignana Kendra, Bengaluru. He has published more than 100 research papers, two book chapters, four national-level publications and six popular articles.

