

SCIENCE, TECHNOLOGY AND INNOVATION ROADMAPS FOR THE SDGS *ACHIEVEMENTS AND NEW OPPORTUNITIES*

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PART 2



TECHNOLOGY
FACILITATION MECHANISM

SUSTAINABLE
DEVELOPMENT
GOALS



Dr. **MONIKA MATUSIAK**

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Dr Monika Matusiak is a Team Leader in European Commission's Joint Research Centre, working on Smart Specialisation in EU Enlargement and Neighbourhood Region. She is also the focal point for United Nations Inter-Agency Task Team on Science, Technology and Innovation Roadmaps for Sustainable Development Goals (SDGs) and coordinates the work done in European Commission's Joint Research Centre on Smart Specialisation Strategies for SDGs. Before joining the European Commission she was the Director of the Knowledge Transfer Company at Poznan University of Economics and Business and worked in the World Bank before that. She holds a PhD in Economics. Throughout her carrier she has been involved in multiple international projects and advised subnational and national governments in the EU and beyond.



Dr. VEERLE VANDEWEERD

MANAGING PARTNER, PLATFORM FOR TRANSFORMATIVE TECHNOLOGIES (P4TT)

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Dr Veerle Vandeweerd has more than 35 years of experience in global, national, and local Sustainable Development policy and program development and implementation, including 20+ years at the United Nations system. She currently is co-leading several entrepreneurial initiatives, setting up innovative vehicles to finance and bring to the market new sustainable asset classes. In 2020, she set up the Platform for Transformative Technologies (P4TT), a collaborative platform to identify and bring to the market innovative and integrated industrial solutions that can contribute to the achievements of the SDGs. She is the co-founder of the Global Sustainable Technology and Innovation Conference Series (G-STIC) and was its policy director from 2017 to 2019. Before that, she initiated the UNEP Global Environment Outlook (GEO) report series and held several senior functions at UNEP. She directed the UNDP Environment and Energy Group for over 8 years. Before the UN, she taught at the University of Zambia and headed the environmental reporting department in the Flemish Government, Belgium. Dr Vandeweerd has a PhD in biochemistry from the University of Antwerp, Belgium, and a master's in chemistry from the University of Gent, Belgium.



H.E. Mr. TETSUYA KIMURA

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KIMURA Tetsuya is Ambassador for Economic, Social and the UN Management Affairs at the Permanent Mission of Japan to the UN, formerly Consul General of Japan in Munich, and Director-General, Japan Sports Agency, Ministry of Education, Culture, Sports, Science and Technology.



DR. MARIO CERVANTES

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Mario Cervantes is senior economist for the OECD's Committee for Scientific and Technological Policy. He is responsible for the Committee's work on international co-operation in science and technology, STI financing for the SDGs as well as the Committee's global relations strategy with non-member countries and international organisations. He has written on a range of topics from industry-science relations, human resources in S&T, women in science, technology incubators, university patenting and licensing, open innovation and globalisation, demand-side innovation policies, open science, and more recently on STI for the SDGs. He collaborates on the OECD's Science, Technology and Innovation Outlook. He has worked as OECD expert on country studies and projects, including in Chile, Canada, Germany, Poland, Spain and Russia as well as collaboration with UNESCO on a review of science and innovation policy in Tanzania. Mr. Cervantes worked as a researcher in telecommunications policy at the Columbia Institute for Tele-Information (C.I.T.I.) at the Graduate School of Business, Columbia University, New York.



Dr. MICHAEL KEENAN

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Michael Keenan (BSc MA PhD) is a Senior Policy Analyst in the OECD's Directorate for Science, Technology and Industry. He has worked in the science and innovation policy field for more than two decades, focusing on strategic policy intelligence (foresight, evaluation) practices and national innovation system analysis. He has been at the OECD since 2007, where he currently leads preparation of the flagship Science, Technology and Innovation Outlook publication. He also leads the team responsible for the EC-OECD STIP Compass platform. Another current project focuses on the digitalisation of science and innovation policy, examining contemporary developments in national digital research information management infrastructures and their potential to transform science and innovation policy and governance. He previously participated in several OECD reviews of innovation policy. He is on the advisory boards of the international journals Technological Forecasting and Social Change, Foresight, Форсайт, and Asian Research Policy.



Mr. BJØRN TORE KJELLEMO

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Bjorn T. Kjellemo is head of the department for global development and international relations at The Research Council of Norway. The department is amongst others responsible for coordinating research on and for global health, global development and international affairs and for promoting international cooperation in research and innovation with a special focus outside of Europe.

Kjellemo is a lawyer from the University of Oslo. He started his career as a researcher in the Department for public and international law at the University of Oslo. He has extensive experience from different ministries in the Norwegian central administration, and has been adviser in the Ministry of Labour and regional affairs and Deputy Director general in the Ministry of Education and Research and in the Ministry of Trade and Industry. He has also been counsellor for education and culture at the Norwegian diplomatic mission to the European Union, in Brussels.



Prof. XIAOLAN FU

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Founding Director of the Technology and Management Centre for Development (TMCD), Professor of Technology and International Development, University of Oxford. Her research interests include innovation and technology policy and management; trade, foreign direct investment and economic development. Her current research concerns innovation collaboration, digital technologies and inclusive development, knowledge transfer within and between organisations, and green innovation policy. She is appointed by the Secretary-General of the UN to the Governing Council of the Technology Bank of the UN and to the 10-Member Group of the UN Technology Facilitation Mechanism. Her recent books include *Innovation Under the Radar*, *China's Path to Innovation*, *China's Role in Global Economic Recovery*, and *The Rise of Technological Power in the South*. Prof Fu has received the EFMD Gate2Growth 2005 'European Best Paper' Award, 2017 EURAM Annual Conference Best Paper Award, 2018 International Business Review Best Journal Paper Award. She has been awarded research grants from the ESRC, EPSRC, DFID, British Academy, and European Commission.



Dr. WILLIAM COLGLAZIER

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Dr. E. William Colglazier is Editor-in-Chief of Science & Diplomacy and Senior Scholar in the Center for Science Diplomacy at the American Association for Advancement of Science (AAAS). He works there to advance knowledge and practice on science policy and science diplomacy and to support international collaboration and cooperation in science and technology. From 2016 to 2018 he co-chaired the 10-Member Group appointed by the United Nations Secretary General to advise on science, technology, and innovation for achieving the 17 Sustainable Development Goals of the UN 2030 Agenda. He served as the Science and Technology Adviser to the U. S. Secretary of State from 2011 to 2014. For 17 years beginning in 1994, he served as Executive Officer of the U.S. National Academy of Sciences and National Research Council. He received his Ph.D. in theoretical physics from the California Institute of Technology in 1971, and subsequently worked at the Stanford Linear Accelerator Center, the Institute for Advanced Study in Princeton, the Center for Science and International Affairs at Harvard's Kennedy School of Government, and the University of Tennessee.



Dr. PAULO GADELHA

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Paulo Gadelha has a degree in Medicine, a master's degree in Social Medicine, and a doctorate in Public Health. He is the Coordinator of the "Fiocruz Strategy for the 2030 Agenda" which aims to promote the FIOCRUZ' strategic engagement with the Agenda's aspirational principles and goals. He is one of the "10 Members Group" to support the UN-TFM. He was president of FIOCRUZ, and founding director of the "Casa de Oswaldo Cruz", a FIOCRUZ Institute dedicated to the sociology and history of science and health.



Mr. KAREEM HASSAN

EXECUTIVE DIRECTOR OF ESCWA TECHNOLOGY CENTRE,
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Kareem Hassan is the Executive Director of the UN-ESCWA Technology Centre. He is an international innovation expert and sustainability entrepreneur. Kareem has initiated and led more than 60 projects in 20 countries worldwide, including knowledge production, capacity building, participatory innovation, and appropriate technology implementation. In addition to founding and leading four enterprises in the fields of water, agriculture, sustainable architecture, and waste recycling.



Mr. NOBUYA HARAGUCHI

CHIEF, RESEARCH & INDUSTRIAL POLICY ADVICE DIVISION,
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He leads UNIDO's research and policy advisory functions, which include the publication of UNIDO's flagship reports, assessment of SDG 9 in developing countries, and implementation of policy projects. He has published widely on structural change, patterns of manufacturing and industrial policy. Recent publications include articles in journals, such as *Structural Change and Economic Dynamics* (2019 and 2018), *World Development* (2017), and chapter contributions to key reference books, such as *Oxford Handbook of Structural Transformation*, edited by Monga and Lin (2019) and *Efficiency, Finance and Varieties of Industrial Policy*, edited by Noman and Stiglitz (2016). Before joining UNIDO, he taught macroeconomics at St. John's University in the United States.



Mr. JONATHAN WONG

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Jonathan Wong is the Chief of Technology and Innovation at the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). He joined ESCAP from the UK Department for International Development (DFID), where he was the inaugural Head of Innovation. He has led the establishment of several high-profile innovation initiatives including the Global Innovation Fund, a partnership between the Omidyar Network and the governments of the US, UK, Sweden, Australia and South Africa. He has extensive experience in social innovation and entrepreneurship, impact investing and technology. He also has substantial policy expertise on these agendas, having advised governments across Europe, Africa, Asia and the Pacific. Before joining DFID, he was a founding partner of a technology and innovation venture-capital fund and supported the establishment of the UK NHS Institute for Innovation and Improvement. Mr Wong has also served on APEC's E-commerce Business Council, was awarded a Rockefeller Foundation Policy Fellowship, and is a World Economic Forum Schwab Fellow.



Mr. VICTOR KONDE

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Victor Konde is a Scientific Affairs Officer and the current Officer-in-Charge, Green Economy, Innovation and Technology Section of the United Nations Economic Commission for Africa (UNECA). He holds a PhD in Biochemistry (United Kingdom) and is a Post-Doctoral alumnus of Harvard University's Kennedy School of Government. He is the founder of the African Technology Development Forum (ATDF, Geneva/Switzerland) and a Fellow of the World Academy of Arts and Science. Victor has over 25 years of post-graduate work experience in the private and public sectors. He has developed and managed various institutional and country programmes, and seeded and overseen the development of firms. His current areas of interest and expertise include promotion of innovation and entrepreneurship policies and strategies, intellectual asset management, technology transfer, innovation funding models and development of business models, especially for the youth.



Mr. NAOTO KANEHIRA

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Naoto Kanehira is a Senior Private Sector Specialist at the World Bank. Leading and contributing to operations and initiatives on science, technology and innovation at corporate, country, regional and global levels, he has co-led the work on STI for SDGs Roadmaps at the UN Inter-Agency Task Team on Science, Technology and Innovation (IATT-STI), and currently serves as the secretariat for World Bank's Covid-19 vaccine delivery taskforce in support of the \$12 billion commitment for vaccine purchase and delivery by developing countries. Prior to joining the World Bank, Naoto co-founded a mobile internet software start-up in 1998 and worked for McKinsey from 2000 to 2010. Naoto holds an MPA from Harvard University and an MSc in Management from Massachusetts Institute of Technology.



Mr. SELVARAJU RAMASAMY

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Dr Selvaraju Ramasamy is Head of the Research and Extension Unit, Office for Innovation of the Food and Agriculture Organization of the United Nations (FAO). He leads FAO's efforts in Agricultural Research and Extension, strengthening of Agricultural Innovation Systems (AIS) and out-reach of innovative agricultural technologies and practices. His work also focuses on partnership with International/national agricultural research centers and forums of extension and advisory services. Dr Ramasamy is with FAO since 2007.



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Michael Lim is an Economist in the STI Policy Section of the Division on Technology and Logistics at the United Nations Conference on Trade and development (UNCTAD). He has worked for 14 years on science, technology and innovation (STI) and development, preparing Science, Technology and Innovation Policy Reviews of developing countries, policy research and analysis on innovation and capacity building on STI policy in developing countries. He has also worked on other development issues including foreign direct investment, capital market development, financial crises, financial systems and debt in developing countries.



Ms. KORNELIA TZINOVA

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Ms Kornelia Tzinova is Programme Specialist in Science Policy and Capacity-Building. She works at UNESCO Headquarters and manages STI policy projects at national and regional levels, as well as on capacity building activities for the development, review and implementation of policies. She is an active member of the UN Inter-agency task team on STI roadmaps and co-coordinator of the workstream on capacity-building.



Mr ALESSANDRO RAINOLDI

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Alessandro Rainoldi is Head of the "Territorial Development" Unit at the European Commission's Joint Research Centre (JRC), the science and knowledge service of the Commission, working mainly on regional, urban, innovation and industrial policies.

Before joining the JRC, he worked extensively for the Commission's Directorate-General for Regional and Urban Policy contributing in particular to the policy agenda on issues related to governance, innovation, financial engineering and evaluation.

He is an economist by background. He previously worked at the study & research department of a leading Italian banking group and as a free-lance journalist. He teaches EU regional funds at the European College of Parma.



Ms. MARIA-FRANCESCA SPATOLISANO

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Ms. Spatolisano has more than 3 decades of experience in public service including extensive senior leadership in multilateral affairs. She has served as the European Union Ambassador to the OECD and UNESCO, Monaco and Andorra. She was member of the EU Delegation to the United Nations, serving as the Head of Economic and Trade Section. She covered issues related to trade, development and environmental policies in the Second Committee and ECOSOC and was also the EC representative to the Fifth Committee. Since 2017, she has been responsible for International Organizations and Development Dialogue with other Donors in the EC's Directorate General for Development Cooperation. In this capacity, she assured the EU presence and developed EU positions on development policy in a number of international fora including the UN, the World Bank, International Monetary Fund, OECD, G-7 and the G-20, where she represented the EU in the G-20 Development Working Group. Ms. Spatolisano holds a Doctorate in Law (cum laude) from Florence University.



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Mikel Landabaso is Director of Growth & Innovation in the Joint Research Centre in Seville since December 2019. Mikel was Director of Strategy and Corporate Communication in DG Communication 2016-2019. He was acting Director for Inclusive growth, Urban and Territorial development in DG Regional Policy. During 2014-2015, he was Head of Cabinet of Commissioner for Regional Policy. He worked as Head of Unit of the Competence Centre on Smart and Sustainable growth, also in the DG Regional Policy. He was Head of the Research Department and Assistant to the Director General of the Basque Regional Development Agency (SPRI S.A.) 1986-1990. He has been teaching part-time at the Vrije Universiteit Brussel (VUB) in Belgium, University of North Carolina (USA), Deusto University and the public University of the Basque Country in Spain. He has received the 2004 "Christiane Bom Award" by the European Regional Development Agencies Association – EURADA. Mikel Landabaso is PhD in Economics (University of the Basque Country 1994, Spain), M.A. in Development Economics (University of East Anglia 1983-84, U.K.), Diploma in Advanced European Studies (College of Europe 1985-86, Belgium) and Licenciado en Ciencias Economicas (Universidad del Pais Vasco, 1978-1983).