

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

A virtual side event during the

**UN 75th General Assembly**

17<sup>TH</sup> November 2020

*PART 1*



**TECHNOLOGY**  
FACILITATION MECHANISM

SUSTAINABLE  
DEVELOPMENT  
**GOALS**

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## **Ms. LILIANA PASECINIC**

DEPUTY HEAD OF UNIT - INTERINSTITUTIONAL, INTERNATIONAL  
RELATIONS AND OUTREACH  
JOINT RESEARCH CENTRE, EUROPEAN COMMISSION

Dr. Liliana Pasecinic, is Deputy Head of Unit 'Interinstitutional, International Relations and Outreach' at the European Commission's Joint Research Centre (JRC). She coordinates the JRC's cooperation with international partners at national, regional and multilateral level. Economist by training, she has over twenty years of diplomatic experience.



## Mr SHANTANU MUKHERJEE

CHIEF, INTEGRATED POLICY ANALYSIS BRANCH (IPAB)  
DIVISION FOR SUSTAINABLE DEVELOPMENT GOALS UNITED  
NATIONS DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS  
(UN-DESA)

Shantanu heads the policy and analysis branch in the Sustainable Development Goals Division within the UN's Department for Economic and Social Affairs. A particular area of focus in his current work is enhancing the impact of science, technology and innovation in advancing sustainable development. Prior to this, he led the research and writing unit of the UN Development Programme (UNDP)'s Human Development Report through two report cycles, preceded by a stint as head of UNDP's global MDG policy work. Some of his most interesting experiences during this period were in Cambodia, Indonesia, Jordan, Myanmar, Pakistan, Ghana, Togo and Yemen.

Shantanu began his career with the Indian Government in various areas of development policy planning and implementation; and public finance. He earned a PhD in Economics from Princeton University in 2006, and holds advanced degrees in Public Policy and Physics.



## Mr BERNARD MAGENHANN

DEPUTY DIRECTOR-GENERAL  
JOINT RESEARCH CENTRE, EUROPEAN COMMISSION

Bernard Magenhann is a Chartered Accountant and a Registered Auditor. He started his career as an external auditor working successively for Mazars and PricewaterhouseCoopers. He joined the European Commission in Brussels in 2002 where he worked in the Internal Audit Service, notably as Assistant to the Director General and Head of Unit responsible for the Internal Audit of the Regulatory Agencies (2002–2011). He was in charge of Business Process Re-engineering in DG HR between 2011 and 2013. In 2013 he was appointed Resource Director in DG DIGIT. In 2016 he returned to DG HR where he was appointed Deputy Director-general, notably in charge of Organisational Development, Talent Management and Budget and Finance. Finally, he joined the Joint Research Centre on 16 May 2020 as Deputy Director-general. He is in charge of Energy, Transport and Climate, Nuclear Safety and Security as well as Support Services.



## **Ms SHAMILA NAIR-BEDOUELLE**

ASSISTANT DIRECTOR-GENERAL FOR NATURAL SCIENCES,  
UNESCO

Dr Shamila Nair-Bedouelle is UNESCO's Assistant Director-General for Natural Sciences since April 2019. She has previously directed the OzonAction programme at the United Nations Environment Programme (UNEP). In her long career at the service of science, she has worked for the Institut Pasteur, in the pharmaceutical industry at the MIT University Park, the French National Institute for Medical Research and the European Commission



## Mr WEI LIU

COORDINATOR - UN INTER-AGENCY TASK TEAM ON SCIENCE, TECHNOLOGY AND INNOVATION FOR THE SDGS (IATT), DIVISION FOR SUSTAINABLE DEVELOPMENT GOALS, UNITED NATIONS DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS (UN-DESA)

Mr. Wei Liu is a Sustainable Development Officer in the Integrated Policy and Analysis Branch of the Division for Sustainable Development Goals, UN DESA. He is the Coordinator of the UN Inter-agency Task Team on STI for the SDGs, providing both substantive and organizational support to the implementation of the STI-related decisions contained in the 2030 Agenda for Sustainable Development. Wei Liu joined the UN in 2005. He has worked in the area of development policy coordination and contributed to various UN publications including the Global Sustainable Development Report and policy briefs of the Technology Facilitation Mechanisms. Wei Liu worked also as an Associated Economic Affairs Officer in the Trade and Investment Division, UN-ESCAP, Bangkok, Thailand, and as a Research Fellow at the University of Birmingham, the UK. He holds a Ph.D. in Economics from the University of Birmingham.



## Dr. MICHIHARU NAKAMURA

UN SECRETARY'S GENERAL 10-MEMBER GROUP TO SUPPORT  
THE TECHNOLOGY FACILITATION MECHANISM

COUNSELLOR TO THE PRESIDENT OF JAPAN SCIENCE AND  
TECHNOLOGY AGENCY, JAPAN

Dr. Nakamura served as Executive Vice President and CTO of Hitachi Ltd., and then assumed a position of Board of Director. Since October 2011, he was President of Japan Science and Technology Agency (JST). Currently, he is serving as the Counsellor to the President of JST. He is a member of the UN 10 Member Group supporting Technology Facilitation Mechanism for SDGs.



## Dr. WILHELMINA QUAYE

DIRECTOR OF THE CSIR-SCIENCE AND TECHNOLOGY POLICY  
RESEARCH INSTITUTE, ACCRA, GHANA

Dr. (Mrs) Wilhelmina Quaye obtained her PhD in Rural Sociology from Wageningen University in the Netherlands in 2012. She had her MPil (2002) and BSc (1993) in Agricultural Economics from the University of Ghana, Legon. She also has a certificate in Gender Mainstreaming from Institute of Capacity Development in South Africa and a certificate in Monitoring and Evaluation of Development Projects from Ghana Institute of Management and Public Administration (GIMPA). Her areas of specialization include Socio-economic related research, Monitoring & Evaluation and Policy & Gender Issues. She has more than 20 years working experience both in research and practice. She is the Director of Science and Technology Policy Research Institute and a member of the technical team working on S114SDGs Roadmap in Ghana





## H.E. Prof. VIJAYRAGHAVAN

PRINCIPAL SCIENTIFIC ADVISOR, GOVERNMENT OF INDIA

Professor K. VijayRaghavan is the Principal Scientific Adviser to the Government of India, and the Chairperson of Prime Minister's Science, Technology & Innovation Advisory Council (PM-STIAC). He was Secretary, Department of Biotechnology (DBT), Government of India from January 28, 2013 to February 2, 2018. VijayRaghavan is also a Distinguished Professor at the National Centre of Biological Sciences (NCBS), Tata Institute of Fundamental Research Bangalore (TIFR) and was the NCBS Director till 2013. He studied Chemical Engineering at the Indian Institute of Technology, Kanpur, holds a Ph.D. in Molecular Biology from the Tata Institute of Fundamental Research was a Senior Research Fellow at the California Institute of Technology. VijayRaghavan is a Fellow of the Indian Science Academies, the Royal Society, the Academy of Medical Sciences (UK) and a Foreign Associate of the US National Academy of Sciences. He was awarded the Padma Shri by the Government of India in 2013.



## Mr. VIKTOR NEDOVIĆ

DIRECTOR OF SERBIA ACCELERATING INNOVATION AND  
ENTREPRENEURSHIP PROJECT – SAIGE, MINISTRY OF EDUCATION,  
SCIENCE AND TECHNOLOGICAL DEVELOPMENT

*on behalf of*

## H.E. Dr. SLAVICA DJUKIC DEJANOVIC

SPECIAL ADVISER TO THE PRIME MINISTER OF THE REPUBLIC OF  
SERBIA

Slavica Djukic Dejanovic was a member of the National Assembly of Serbia, the Federal Parliament of Yugoslavia and of the Parliament of the State Union of Serbia and Montenegro in several terms. In the interim government of Serbia, she was the Minister of Family Care and a member of the Interparliamentary Union. She served as President of the National Assembly of the Republic of Serbia from 2008 to 2012, as well as the Acting President of the Republic of Serbia, from the beginning of April to the end of May 2012. From 2012 to 2014, she served as Minister of Health. She performed the duty of Minister without portfolio in charge of demography and population policy since August 2016 until October 2020. Currently, she is appointed as the Special Adviser to the Prime Minister of the Republic of Serbia for the



## Prof. WALTER O. OYAWA

*DIRECTOR GENERAL*  
NATIONAL COMMISSION FOR SCIENCE, TECHNOLOGY &  
INNOVATION (NACOSTI)  
KENYA

Prof. Walter O. Oyawa, is currently the Director General of the National Commission for Science, Technology & Innovation (NACOSTI). He is a Professor of Civil Engineering, a holder of a PhD in Civil Engineering, and a holder of Executive MBA. He is a Registered Professional Engineer, a Lead Expert NEMA and a reviewer of several international journals. Prof. Oyawa has served in various senior leadership/management positions including having been the Principal/CEO of Multimedia University College, Deputy Commission Secretary at the Commission for University Education (CUE), pioneering Ag. Principal of the College of Engineering & Technology at JKUAT, Director of a Research Centre-SMARTEC at JKUAT, Chairman of the Department of Civil Engineering at JKUAT, Board member of several boards, among others. He is endowed with vast experience in research/scholarly work. His research interest is in the area of sustainable construction materials and technologies.



## H. E. Mr. SERHIY SHKARLET

ACTING MINISTER OF EDUCATION AND SCIENCE OF UKRAINE

2001– 2010 – rector of Chernihiv Institute of Information, Business and Law of Academician Yuriy Bugay International Scientific and Technical University.

2010 – 2020 – rector of Chernihiv National University of Technology (since 2019 Chernihiv Politechnic National University).

Since June 25, 2020 – the Deputy Minister of Education and Science of Ukraine on European Integration, the Acting Minister of Education and Science of Ukraine.

Chairman of the Expert Council on examination of dissertations of the Ministry of Education and Science of Ukraine on the problems of sectoral development and entrepreneurship.

State awards: 2012 – Honored Worker of Science and Technology; 2016 – Order “For Merits” of the 3rd degree; 2017 – Laureate of the State Prize of Ukraine in the field of education; 2020 – Order “For Merits” of the 2nd degree.



## Mr. FUMIKAZU SATO

COUNCILOR FOR INNOVATION PROMOTION /  
DEPUTY DIRECTOR GENERAL FOR SCIENCE, TECHNOLOGY AND  
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Currently Councilor for Innovation Promotion / Deputy Director General for Science, Technology and Innovation, Cabinet Office of Japan. Mr Sato has a longstanding career within the Ministry of Economy, Trade and Industry (METI). Previous roles include: Deputy Director-General, Industrial Science & Technology Policy and Environment Bureau (2017), Deputy Director-General, Manufacturing Industries Bureau (2016), Director for Technology Affairs and Advanced Capacity Building Strategy (2015), Director, Technical Regulations, Standards and Conformity Assessment Policy Division (2014), Director, Academia-Industry Cooperation Promotion Division (2012), Director, Startup and Technology Division, Small and Medium Enterprise Agency (2010), Director, Information Systems and Welfare Division (2009). He was Vice-governor at the Akita Prefecture Government (2008), Director-General, Department of Industry, Economy and Labor, Akita Prefecture Government (2005), and First secretary, Japanese Mission to the European Union (1999). He holds a Master of Mathematics from the University of Tokyo.



## Dr. THAZIN HAN

DEPARTMENT OF RESEARCH AND INNOVATION,  
MINISTRY OF EDUCATION, MYANMAR

As Director at the Department of Research and Innovation (DRI), Ministry of Education, Dr. Thazin Han performs for implementation of the Myanmar STI development in line with SDG 2030 and Myanmar Sustainable Development Plan (MSDP). Recognized as a respected national STI policy development maker in collaboration with UN-ESCAP, Dr. Thazin specialized in inclusive STI development for Myanmar. She is also actively involved in the capacity building training of UN and UNESCAP for STI for SDGs and STI policy development. Currently she leads the two regional projects in the agro-food development sectors across the Mekong- Lancang Cooperation Fund 2020-2022. Dr. Thazin Han is a graduate of University of Pharmacy (Yangon, Myanmar). She completed her master and Ph.D in Biotechnology degrees from Yangon Technological University, Post-doctoral from Kansai University, Japan in the field of bio-polymer application, a Master of Public Administration from Yangon University of Economics.