

## COUNCIL OF THE TECHNOLOGY BANK FOR THE LEAST DEVELOPED COUNTRIES

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### **Ann Aerts, Head of the Novartis Foundation, member of the Broadband Commission**

Dr. Ann Aerts has been Head of the Novartis Foundation since January 2013, where she has played a key role in devising new policy recommendations. She has the exciting responsibility of heading an organization committed to exploring innovative solutions to public health problems. The Novartis Foundation has the challenging goals of expanding access to quality healthcare and eliminating diseases such as leprosy and malaria. Before her current role, Ann was Franchise Medical Director Critical Care for Novartis Pharma in Basel and Therapeutic Area Head Cardiovascular and Metabolism in Novartis Pharma Belgium. Prior to joining Novartis, she served as Director of the Lung and Tuberculosis Association in Belgium, as Head of the Health Services Department of the International Committee of the Red Cross (ICRC) in Geneva and was Health Coordinator for the ICRC in several countries. Ann holds a Degree in Medicine and a Masters in Public Health from the University of Leuven, Belgium, as well as a Degree in Tropical Medicine from the Institute of Tropical Medicine in Antwerp, Belgium. In July 2014, Ann was nominated by PharmaVOICE as one of the 100 Most Inspiring People in the life science industry. Ann has authored numerous publications and is a member of the Advisory Boards of the Global Health Group of University of California, San Francisco (UCSF), the OECD Network of Foundations Working in Development (NetFWD), the One Million Community Health Workers Campaign, the World Economic Forum Health Systems Leapfrogging project in Emerging Economies Steering Board.

### **Aggrey Ambali, Head of STI Hub, NEPAD**

Prof. Aggrey Ambali is currently serving as Head of Science, Technology and Innovation Hub (NSTIH) at the New Partnership for Africa's Development (NEPAD) Agency, where he oversees development and implementation of programs in education, health, and science and technology. He has also served in other positions at the NEPAD Agency, including Director of Policy Alignment and Program Development, Coordinator of the African Biosciences Initiative, and Coordinator of Science and Technology for the Southern Africa region. He has been actively involved in science, technology and innovation programmes of the African Union. He coordinated the work of the African Union High Level Panel on Science, Technology and Innovation which was appointed in July 2012 and mandated to prepare a ten year African Union Science, Technology and Innovation strategy for Africa, 2014-2024 (STISA 2024). Outside the NEPAD Agency, he served as an external member of Governing Council of the University of Namibia, and member of the Innovation Council of the Common Market for Eastern and Southern Africa (COMESA). He serves on several committees including the Technical Advisory Committee of the Biosafety Program of ICGEB, Chair of the Management Committee of the African Biosafety Network of Expertise (ABNE), member of the Advisory Panel of the Biosciences eastern and central Africa (BecA), etc. He is a fellow of the African Academy of Sciences. Aggrey Ambali is currently coordinating the process of establishing a

high level African Union panel on harnessing emerging technologies for Africa's development. Aggrey Ambali obtained a PhD degree in Population Genetics from Dalhousie University, Canada, Masters of Science in Aquaculture from Asian Institute of Technology, Thailand and Bachelor of Science in Agriculture from University of Malawi. He served as a faculty member at the University of Malawi where he became a Professor of Biology in 2003. He is a Fellow of the African Academy of Sciences.

**Abdoulaye Yero Baldé, Minister of Higher Education and Scientific Research of the Republic of Guinea**

Abdoulaye Yero Baldé is the Minister of Higher Education and Scientific Research of the Republic of Guinea. Mr. Baldé has an extensive professional experience spanning over twenty years in government, academia, international organization and private sector. He served as the 1st Deputy Governor of the Central Bank of Guinea from 2010 to 2015, during which he was in charge of economic, monetary and foreign exchange policies, banking and financial supervision. In this capacity, he spearheaded efforts to acquire, adapt and diffuse new technology within Guinea's financial system. In particular, he led the articulation and implementation of a National Payment System (Retail Payments Automation – Automated Check Processing (ACP)/Automated Clearing House (ACH) – and a Real Time Gross Settlement (RTGS)) and a Credit Reporting System. These innovations represent the technological backbone that contributed to strengthening Guinea's financial sector. Prior to that, Mr. Baldé served, from 2005 to 2010, as Vice President/Director Project Finance at Guinea Alumina Corporation, a company involved with the development and financing of a US\$ 5 billion alumina refinery project in the Republic of Guinea. From 1996 to 2002, he was Economist and Operations Officer at the World Bank. At this position, he worked on formulation and implementation of macroeconomic operations and development programmes as well as on specific capacity building projects, including the design and implementation of a computerized expenditure monitoring system that strengthened the execution and control of Guinea's national budget. Mr. Balde was also a lecturer at the University of Conakry, Guinea. Mr. Balde received an MBA from Columbia University in New York, US. He also holds a Master's degree in Economics and a DESS Degree—a five year Post-graduate study in Project Management—both from Sorbonne University in Paris, France.

**Sonia Bashir Kabir, Managing Director of Microsoft Bangladesh**

Ms. Kabir returned to Microsoft after more than two and a half years as the CEO and country director of Dell in Bangladesh. She was previously the Director of Business Development for South East Asia at Microsoft Bangladesh. Educated and trained in Silicon Valley, Ms Kabir worked in the U.S. technology industry for 15 years with companies like Oracle and Sun Microsystems. She moved back to Bangladesh in 2005 and took on leadership roles in local and multinational companies such as Aamra Technologies, Microsoft and Dell. Ms Kabir holds a Master of Business Administration (MBA) degree from Santa Clara University, California, as well as a Bachelor of Science degree from California State University, Hayward.

**Bitrina Diyamett, Executive Director of the Science, Technology and Innovation Policy Research Organization (STIPRO)**

Dr. Bitrina Diyamett is a researcher and a consultant in science, technology and innovation policy. Her major interest and areas of expertise include: national systems of innovation; sectoral systems of innovation; development of innovative clusters; foreign direct investments and local technological capabilities; science, technology and innovation indicators; and linking knowledge to policy. Bitrina holds a Masters Degree in Science and Technology Policy from Lund University, Sweden; and a PhD in Development Studies, with focus on innovation and development from the University of Dar es Salaam. Bitrina has consulted for the Government of Tanzania, UN Agencies such as UNIDO and UNESCO, Development Partners, such as SIDA and the Government of Finland, African Regional Bodies such as NEPAD. Bitrina is the founding and the current Executive Director of the Science, Technology and Innovation Policy Research Organization (STIPRO) - an independent think tank dealing with the production of knowledge that informs STI decisions, including policy. STIPRO is one of the think tanks currently under the Think Tank Initiative (TTI) that provide flexible support to more than 40 independent think tanks from Africa, Latin America and South Asia. Before STIPRO, Bitrina worked with the Tanzania Commission for Science and Technology (COSTECH), University of Dar es Salaam and Muhimbili University College of Health Science (MUCHS), Institute of Development Studies (IDS). Bitrina is also a member and a leader in a number of related professional networks in and outside Tanzania. She is the current President of the Tanzania Association of Inventors (TAI); current President of the African Research Network on Economics of Learning, Innovation and Competence Building Systems (Africalics); Board member for the Global Network on Economics of Learning, Innovation and Competence building Systems (GLOBELICS); member, The Competitiveness Institute (TCI); and a member of the Steering Committee of the Southern Voice on Post 2015 Development Agenda.

**Xiaolan Fu, Director, Technology and Management Centre for Development, Oxford University**

Prof. Xiaolan Fu is Founding Director of the Technology and Management Centre for Development, and Professor of Technology and International Development. Her research has focused on innovation, technology and industrialization; trade, foreign direct investment and economic development; emerging Asian economies; innovation and productivity in UK/US. She has published many academic papers and a number of books, including recently on China's Path to Innovation, The Rise of Technological Power in the South, China's Role in Global Economic Recovery, and Innovation in Low Income Countries (forthcoming). She is Editor-in-Chief of the Journal of Chinese Economic and Business Studies, and serves on the Editorial Boards of several international journals. She has carried out consultancy research for various UN organizations, the Commonwealth Secretariat, European Commission, UKTI and the Chinese government. She serves on the Advisory Expert Group of the OECD Global Investment Forum and the DFID/ESRC Growth Research Directorate (DEGRP), and was 26th President of the Chinese Economic Association (Europe) and CEA (UK). In 2012 to 2015, she led a multi-country research team as Principal Investigator completed a pioneering research on 'The diffusion of innovation in low income countries' (DILIC). She is also a Senior Research

Associate at the University of Cambridge and University of Tsinghua, and a Visiting Professor at Fudan University. As a leading China expert, she is well known to mainstream media in China and the UK. Previously, Prof. Fu was a Senior Research Fellow at Cambridge University, and Associate Professor in international trade and finance at a higher education institution of the Central Bank of China.

### **Zakri Abdul Hamid, Science Adviser to the Prime Minister of Malaysia**

Professor Zakri has been Science Adviser to the Prime Minister of Malaysia since 2010. His other concurrent roles include: Joint Chairman, Malaysian Industry-Government Group for High Technology (MIGHT); Chairman, Malaysian Biotechnology Corporation (BIOTECHCORP); Chairman, National Professors Council; Chairman, Board of Advisers, UNU-International Institute on Global Health and Pro-Chancellor, Universiti Perguruan Sultan Idris (UPSI). From 2001 to 2005, Professor Zakri co-chaired the UN's mega-study, "Millennium Ecosystem Assessment". He is the founding Chair of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) and a member of the UN Secretary-General's Scientific Advisory Board. He sits on the Global Leadership Council of the Sustainable Development Solutions Network (SDSN). He has been appointed by the United Nations (UN) as the Co-Chairman of STI Advisory Board of the UN Economic and Social Commission for Asia and the Pacific (ESCAP). Zakri's professional interests include crop science, biodiversity and science diplomacy. He has received numerous awards: Fulbright-Hays Fellowship (1981); Rotary Research Foundation Gold Medal Award (1999); ISSAAS Matsuda Award (2013); ASEAN Meritorious Service Award (2014); Zayed International Prize for the Environment (2014), the Academy of Science of South Africa Distinguished Visiting Scholar Award (2015) and Merdeka Award for the environment category (2015). In Malaysia, he has been conferred rank of Senior Fellow by the Academy of Sciences Malaysia with the title of "Academician" (2015); Honorary Doctorate in Science, Universiti Malaysia Terengganu (2013), Honorary Doctorate in Biotechnology, Universiti Sultan Mizan (2013) Honorary Doctorate in Science, Universiti Putra Malaysia (2015); Honorary Doctorate in Science, University of Nottingham (2015). Also, conferred with a Datukship (1991); Dato' Sri (2012) and a 'Tan Sri' (2014). Three species have been named after Zakri: a beetle (*Paleosepharia zakrii*), a cicada (*Pomponia zakrii*) and a pitcher plant (*Nepenthes zakriana*).

### **Orkun Hasekioğlu, Executive Vice President, TÜBİTAK**

Dr. Orkun Hasekioğlu, is Executive Vice President at TÜBİTAK, Turkish Scientific and Technological Research Foundation. He is responsible for research institutions and international relations. He is also a member of the Board of Governors of TÜBİTAK and European Commission Joint Research Centers. He has BS, MS (Caltech) and PhD (RPI) degrees in Electrical, Computer and Systems Engineering, with a specialization in signal processing, communications systems and networks. Prior to joining TÜBİTAK, after engaging in academia at Caltech and RPI, Dr. Hasekioğlu, has served in General Electric's R&D Center, Schenectady, NY, as a research engineer, Moren Communications as Chief Technology Officer, CHEMI Inc. as Vice President responsible from product development, and AIT Inc, as Vice President and

later on as President and partner. At AIT, an engineering R&D and consulting services company, his team was involved in the design, analysis and testing of advanced technological products. Later on, Dr. Hasekioglu joined Turkish Airlines Technic as CIO where he was responsible from developing and implementing enabling and innovative Aircraft MRO IT Technologies for efficient maintenance operations.

### **Mohamed H.A. Hassan, President of the InterAcademy Partnership (IAP)**

Prof. Mohamed H. A. Hassan is President of the InterAcademy Partnership (IAP), former Chairman of the Council of the United Nations University (UNU) and President of the Sudanese National Academy of Sciences (SNAS). He also serves on a number of Boards of international organizations worldwide, including the Board of Trustees of Bibliotheca Alexandrina, Egypt; the Council of Science and Technology in Society (STS) Forum, Japan; the Board of the International Science Programme, Sweden; the Board of the Science Initiative Group (SIG), USA; and the International Advisory Board of the Centre for International Development (ZEF), Germany. After obtaining his DPhil in Mathematics from the University of Oxford he returned to Sudan as Lecturer in the University of Khartoum, and later became Professor and Dean of the School of Mathematical Sciences. Prof. Hassan has a long list of publications in Theoretical Plasma Physics and Fusion Energy; Wind Erosion, Dust and Sand Transport in Dry Lands. He also published several articles on Science and Technology in the Developing World. Prof. Hassan was founding Executive Director of TWAS, President of the African Academy of Sciences and chairman, Honorary Presidential Advisory Council for Science and Technology, Nigeria. Among his honours: Comendator, Grand Cross, and National Order of Scientific Merit, Brazil; and Officer, Order of Merit of the Italian Republic. He is a member of several merit-based academies of science, including, TWAS, the African Academy of Sciences; Islamic World Academy of Sciences; Academia Colombiana de Ciencias Exactas, Físicas y Naturales; Académie Royale des Sciences p, Belgium; Pakistan Academy of Sciences; Academy of Sciences of Lebanon; Cuban Academy of Sciences; and academy of Sciences of South Africa.

### **Rosibel Ochoa, Associate Vice Chancellor Technology Partnerships, University of California Riverside**

Dr. Rosibel Ochoa is the Associate Vice Chancellor Technology Partnerships, University of California Riverside as of June 1, 2016. Between 2008 and 2016, Rosibel served as Executive Director of the nationally recognized William J. von Liebig Center for Entrepreneurism and Technology Advancement. She has led the expansion of the Center operations to the whole UC San Diego campus and the San Diego region. With her team, she has partnered and delivered multiple programs on innovation and entrepreneurship for organizations in Asia and Latin America. Rosibel is the founder of TekDome LLC, a consulting company that provided expert advice on strategies for intellectual property development, commercialization and licensing support. Rosibel also served as a commercialization consultant to the Research Triangle Institute, the Georgia Institute of Technology and several university startup companies. Previously, Rosibel served as Associate Director of the Office of

Technology Licensing and Manager of the Industry Contracts Group at the Georgia Institute of Technology. Working with Georgia Tech's Venture Lab, she managed proof of concept grants to faculty interested in commercialization of clean technologies. Before joining Georgia Tech, Rosibel worked at Motorola's Energy Systems Group (ESG) and at MeadWestvaco as a research engineer, developing materials for advanced lithium polymer battery technology and carbon-based super capacitors. As part of the business strategy team at Motorola, she helped identify and evaluate new business opportunities in emerging energy technologies such as fuel cells, Bluetooth and battery chargers. Rosibel received a PhD and MS in Chemical Engineering from the University of Louisville. She is the inventor of two issued patents and the author of more than 18 scientific publications.

#### **Dr. Frank Rijsberman, Director-General, Global Green Growth Institute (GGGI)**

He was appointed as the Director-General by the GGGI Assembly, GGGI's supreme governing body to serve a four-year term beginning on October 01, 2016. Previously, Dr. Rijsberman served as Chief Executive Office of the Consultative Group for International Agricultural Research (CGIAR) Consortium. In this role, he led CGIAR's transformation from 15 independent research centers towards a single integrated organization. This included a process of cultural and institutional change towards results-based management, including the development of the Consortium's 2016-2030 Strategy and new portfolio of research programs for 2017-2022, building an integrated organization and governance structure, and developing its policies and procedures to ensure accountability. Before joining CGIAR in 2013, Dr. Rijsberman was the first Director of Water, Sanitation, and Hygiene for the Bill and Melinda Gates Foundation, where he developed a strategy to help achieve universal access to sustainable sanitation services using radical new technologies and innovative market-based mechanisms. Dr. Rijsberman also has worked as Program Director at Google.org, the philanthropic arm of Google, where he led grant making in the public health initiative and was responsible for programs and partnerships in health, disaster response, geo-informatics, and climate-change adaptation. Before Google Dr. Rijsberman was Director-General of the International Water Management Institute, an international research institute with HQ in Colombo, Sri Lanka. Previously, Dr. Rijsberman served as Chief Executive Office of the Consultative Group for International Agricultural Research (CGIAR) Consortium.

#### **Alfred Watkins, Chairman of the Global Solutions Summits**

Dr. Alfred Watkins is currently the chairman of the Global Solutions Summit, Senior Advisor to the Global Technology Deployment Initiative, and Senior Director of the P80 Group Foundation. Alfred worked for more than 23 years at the World Bank and served for more than six years as the World Bank's Science and Technology Program Coordinator. Alfred was also the head of the World Bank's Science, Technology and Innovation Global Expert Team. In those capacities he was responsible for designing, developing and helping to implement the World Bank's global STI capacity building programs and for helping to maintain the World Bank's STI capacity building dialogue with G-8 governments, bilateral

donors, foundations, NGOs, and various multilateral and UN agencies. He has extensive field experience in Africa, Asia, Eastern Europe and the Former Soviet Union. Alfred helped to design and organize World Bank STI capacity building programs in Africa, the Middle East, Eastern Europe, and Central Asia. Alfred also led the World Bank team that designed and implemented an innovative World Bank non-commercial risk guarantee package for the Sea Launch Commercial Space Launch project in Russia and Ukraine. Prior to working at the World Bank, Alfred was an Assistant Professor at the University of Texas at Austin and has also served as an economic advisor to several Members of Congress.

**Fekitamoeloa Katoa 'Utoikamanu, Under-Secretary-General and High Representative for the Least Developed Countries, Landlocked Developing Countries and Small Island Developing States**

For the position of the High Representative for the Least Developed Countries, Landlocked Developing Countries and Small Island Developing States, the United Nations Secretary-General selected Fekitamoeloa Katoa 'Utoikamanu of Tonga, who since January 2017 was the Chief Executive Officer of the Ministry of Tourism, Tonga.

Ms. 'Utoikamanu brings with her a wealth of national, regional and international experience at various senior leadership levels, with a strategic perspective for the mandate of the OHRLLS and on building consensus among key stakeholders. She was previously Acting Pro-Chancellor and Chair of the Council of the University of the South Pacific (2015), Deputy Pro-Chancellor and Deputy Chair of the Council of the University of the South Pacific (2009-2016), Deputy Director General and Director of Education, Training and Human Development of the Secretariat of Pacific Community (2009-2015), Permanent Representative and Ambassador of the Government of Tonga to the United Nations, United States of America, Cuba and Venezuela and High Commissioner to Canada (2005-2009), and Secretary for Foreign Affairs and European Commission's National Authorizing Officer for Tonga (2002-2005).