



Dorsamy Gansen Pillay
National Research Foundation (NRF)

Dr Dorsamy (Gansen) Pillay is the Deputy Chief Executive Officer (DCEO) of the National Research Foundation (NRF) of South Africa and leads the Research and Innovation Support and Advancement (RISA) division. His thirty-year career in research, teaching, management and leadership includes academic, management and leadership positions at a number of universities as Professor and Head of the Department of Microbiology, and as Director of Research Management and Development. He was also Visiting Research Professor at Cornell University, USA; the Royal Melbourne Institute of Technology (RMIT), Australia; Goethe Universitat, Germany; and the Scottish Crops Research Institute (SCRI). Following completion of the BSc, BSc (Hons) and MSc degrees at UD-W, he obtained a post-MSc qualification in Biophysics at the Weizmann Institute for Science in Rehovot, Israel, and a PhD degree in Microbiology from UD-W. He completed the International Executive Development Programme (IEDP) partnered through WITS University, South Africa; the London School of Business, UK; and the Indian Institute of Management (IIM) Bangalore, India. He has published in excess of 60 primary research papers, including several highly cited works in peer-reviewed international journals. A large number of higher degree students up to the postdoctoral level, have been successfully supervised under his leadership.

Spain



Paloma Tejedor
Spanish National Research Council (CSIC)

Paloma Tejedor received the BSc, the MSc (Metal-Organic Chemistry) and the PhD (Solid-State Chemistry) degrees from Universidad Complutense de Madrid (UCM), Spain. She was later appointed to a two-year postdoctoral research fellowship at the Chemistry Department of California University at Berkeley, USA, where she discovered new rare-earth superconducting oxides and IR-transmitting phosphides.

Since 1990 she is a permanent Scientist at the Spanish State Agency Consejo Superior de Investigaciones Científicas (CSIC), where she has made significant contributions in the growth of functional oxide thin films and nanostructures by pulsed laser deposition (PLD) and metalorganic decomposition (MOD) and in the growth kinetics and mechanisms of III-V semiconductors by hydrogen-assisted molecular beam epitaxy (H-MBE). During a sabbatical year at the Interdisciplinary Research Center for Semiconductor Materials, Imperial College London, UK, she made pioneering contributions to the understanding of atomic-scale mechanisms of unstable epitaxial growth of GaAs on self-organized vicinal surfaces. Her present interests include the heterogeneous integration by selective epitaxial growth of high-mobility InGaAs channels and ultra-shallow junctions for highly scaled nMOSFETs.

She is currently the Deputy Vice President for Internationalization at CSIC.

Switzerland



Daniel Höchli

Swiss National Science Foundation (SNSF)

Daniel Höchli, born in 1963, grew up in Lenzburg/Switzerland. From 1984 to 1989, he studied governance and public policy at the University of St. Gallen with international relations as his special field. Subsequently, he worked for seven years at the Institute of Political Science in St. Gallen. The main focus of his research lay on the history of political thought. He translated the key work of Donato Giannotti, the *Repubblica fiorentina* (1534) from Italian into German. After a research stay in Italy, he received his doctorate for a thesis on Florentine Republicanism. In 1996, Daniel Höchli started working for the Swiss Federal Administration and became chief of staff at the Federal Office of Police in 2001. Since August 2005, Daniel Höchli has been the Director of the Administrative Offices of the Swiss National Science Foundation (SNSF). His tasks include the elaboration of overall research policies and strategies, the implementation of strategic decisions as well as liaising with federal, national and international partners. He has presided over the Finance and Audit Committee of the European Science Foundation and over the Science Europe Finance Committee since 2013.

Thailand



Soottiporn Chittmitrapap

National Research Council of Thailand (NRCT)

Prof. Dr. Soottiporn Chittmitrapap has been appointed Secretary-General of the National Research Council of Thailand (NRCT) since 2013. He is the first Secretary-General who has laid foundation of the Thailand Research Organizations Networks (TRON), comprising seven large research and development management organizations in Thailand, and involved in an integration of research and reform the country's research system. His objective is to manage the R&D for bridging science to policy in order to meet sustainable development goal. He earned his doctoral degree from Chulalongkorn University and got further training in Paediatric and Neonatal Surgery from University of London. He received Golden Medal Award from the Royal College of Surgeons of England, International Scholar Award, from the American College of Surgeons of England. In 1995, he was given an honorary appointment as Professor of Paediatric and Surgery. Prior to his appointment at NRCT, he served as the Vice President for Research and International Affairs, Chulalongkorn University and the Director of Center for Healthcare and First Aid Training, Thai Red Cross Society. Now, he is a Member of ICSU Regional Committee for Asia and the Pacific, Member of Executive Board of the Thailand Institute of Scientific and Technological Research (TISTR), the Thailand Research Fund (TRF), etc.



Pongrama Ramasoota
Thailand Research Fund (TRF)

Professor Dr. Ramasoota is Deputy Director of Thailand Research Fund and Director of Center of Excellence for Antibody Research (CEAR) at Faculty of Tropical Medicine, Mahidol University. He is lead investigator in the research project "Therapeutic human antibody against 4 serotypes of Dengue virus" funded by Science and Technology Research Partnership for Sustainable Development (JST-JICA-SATREPS) and involve in many research project on diagnostic and therapeutic monoclonal antibody against tropical diseases. His activities in Thailand Research Fund is funding management of the TRF International Research Network program and other TRF matching funds with UK Newton fund, Chinese Academy of Sciences (CAS) and National Natural Science Foundation of China (NSFC), Franco-Thai, German DAAD and International Science Program (ISP), Uppsala University, Sweden. Dr. Ramasoota holds Doctor of Veterinary Medicine from Kasetsart University, Master of Public Health, Mahidol University, Thailand and Master of Science and Ph.D. in Molecular biology from Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden. He was awarded Outstanding Research and Invention from 2008 Korea inventor Promotion Association (KIPA), 2014 Taipei Invention show & Techno mart and National Research Council of Thailand (NRCT) in the years 2008-2010, and 2013.

Turkey



Orkun Hasekioglu
The Scientific and Technological Research Council of Turkey (TUBITAK)

Dr. Orkun Hasekioglu, is Vice President of TUBITAK, Turkish Scientific and Technological Research Foundation, responsible for research institutions and international relations. 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 TUBITAK, after engaging in academia at Caltech and RPI, Dr. Hasekioglu, 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 MRO IT Technologies for efficient maintenance operations.

Uganda



Peter Ndemere Ibale

Uganda National Council for Science and Technology (UNCST)

Dr. Peter Ndemere Ibale was appointed the Executive Secretary of Uganda National Council for Science and Technology. His energy related duties at Uganda National Council for Science and Technology since 2006.

United Kingdom



Rick Rylance

Research Councils UK (RCUK)

Professor Rick Rylance, Chief Executive of the AHRC
Before taking up the post of AHRC Chief Executive, Rick Rylance was Head of the School of Arts, Languages and Literatures at the University of Exeter. Prior to moving to Exeter in 2003 he was Dean of Arts and Letters at the then Anglia Polytechnic University in Cambridge which he left as Dean of Arts and Letters.

His own research is in English and he was Chair of the English Sub-panel of the RAE 2008 and a member of Main Panel M (Languages and Literature). He was a founder member of the English Subject Centre's Advisory Board, a past chair of the Council of College and University English (CCUE), and is currently a member of the Higher Education Committee of the English Association. He was elected a Fellow of the Royal Society of Arts (FRSA) in 1998 and a Founding Fellow of the English Association in 1999. His main research interests are in nineteenth and twentieth-century literature and the intellectual and literary history of those periods. He has a particular interest in the history of psychology and the psychology of the reading process.

Rick is the current Chair of the Research Councils Executive Group.

United States



France A. Córdoba

National Science Foundation (NSF)

France A. Córdoba is the 14th director of the National Science Foundation. Córdoba leads the only government science agency charged with advancing all fields of scientific discovery, technological innovation, and science, technology, engineering and mathematics (STEM) education.

Córdoba is president emerita of Purdue University. She led the University of California, Riverside, as chancellor and was a distinguished professor of physics and astronomy. Córdoba was the vice chancellor for research at the University of California, Santa Barbara.

Córdoba served as NASA's chief scientist. Prior to NASA, she was on the faculty of Pennsylvania State University where she headed the department of astronomy and astrophysics. Córdoba was deputy group leader in the Earth and space sciences division at Los Alamos National Laboratory and staff scientist. She received her B.A. from Stanford University and her Ph.D from the California Institute of Technology.

More recently, Córdoba served as chair of the Board of Regents of the Smithsonian Institution and on the board of trustees of Mayo Clinic.

Vietnam



Dzung Do Tien

Vietnam National Foundation for Science and Technology Development (NAFOSTED)

Dr. Dzong Do Tien is appointed the Director of the Executive Office of Vietnam National Foundation for Science and Technology Development (NAFOSTED). His energy related duties at NAFOSTED since 2011 including scientific policy making and funding management. His experience abroad included participating in Modeling Vietnam Financial Information System Project in The United Nations University International Institute for Software Technology (UNU-IIST). He graduated from Nanyang Technological University in 2007 (PhD in computer science), Singapore.

Graduated from Hanoi University of Science and Technology in Electrical Engineering in 1995, Dr. Dzong started his career as an officer in IT Department of Vietnam Ministry of Finance (MOF), responsible for developing financial software and managing wide area network (WAN) of the ministry. During the time working for MOF, he had one year joining The United Nations University International Institute for Software Technology (UNU-IIST) in Macau to develop the Modeling Vietnam Financial Information System Project (from June 1996 till June 1997). In 2002, awarded the scholarship of Nanyang Technological University, Singapore, he did his PhD in computer science and back to Vietnam in 2006. Since then, he worked as Project Manager for Toshiba newly-established company in Vietnam – the Vietnam Toshiba Software Development Company. In 2011, Dr. Dzong joined Vietnam National Foundation for Science and Technology Development (NAFOSTED) as Vice Director of the Executive Office, and Director since August 2012.

Zimbabwe



Susan Muzite

Research Council of Zimbabwe (RCZ)

Susan Muzite was appointed Executive Director of the Research Council of Zimbabwe (RCZ) in January 2005. She is accountable for the administration of RCZ in relation to coordination, direction, supervision and promotion of research in the country. Mrs. Susan Muzite has represented the country by attending and participating in the International Council for Science (ICSU), Global Research Council (GRC), SADC training/meetings/workshops. Mrs. Muzite graduated from Queens University, Ontario, Canada with Bachelor of Arts and Bachelor of Physical and Health Education in 1982. She also has an M.Sc. in Health Administration and Research with Hull University, United Kingdom. Through her leadership, the Research Council of Zimbabwe (RCZ) has achieved the following:

- Strategic reorganisation of the RCZ to embrace its whole mandate as provided for in the Research Act, Chapter 10:22
- Consensus on National Research Priorities
- Disbursement of Grants for Research in National Research Priority Areas
- Establishment of the National Research Database
- Hosting the International research symposia the last one held in February 2015 being the 10th.
- Purchasing of Property and relocation of RCZ offices thereto

Mrs. Muzite has attended many high-level international meetings and workshops on research management, administration and collaboration. Before joining the RCZ Mrs. Muzite was a civil servant.

International Organization



Wolfgang Bartscher

European Commission (EC)

Wolfgang Bartscher was appointed Deputy Director-General for Research and Innovation in 2009 and is responsible for the policy and management of the Research Framework Programme. In this capacity he was involved in the design and elaboration of Horizon 2020, the new Framework Programme for research and innovation, and is now closely associated to its implementation.

An Austrian national, Mr Bartscher is 55 years old and acted before joining DG Research and Innovation as a Director in DG Agriculture of the European Commission since 2000. Before joining the Commission in 2000 Mr Bartscher was representative of the Länder at the Austrian Permanent Representation to the EU. From 1992 to 1996 he was Director of European Affairs in the Vorarlberg administration. Previously, from 1990 to 1992, he was a legal advisor at the European Free Trade Association (EFTA) in Geneva, at the time of negotiations on the European Economic Area (EEA). He focused particularly on the free circulation of goods and capital and on competition issues.

Between 1983-1990 Mr Bartscher was a lecturer in International and European Law at the University of Innsbruck.

Wolfgang Bartscher holds a doctorate in law and also has a qualification from the Institut Européen des Hautes Etudes Internationales in Nice.



Jean-Pierre Bourguignon
European Research Council (ERC)

Professor Jean-Pierre Bourguignon was the Director of the *Institut des Hautes Études Scientifiques* (IHÉS) from 1994 till 2013. This international research institute located near Paris, France, was built as the European counterpart of the Institute for Advanced Study in Princeton. He was also the first ERC Panel Chair in Mathematics, for Starting Grants.

A mathematician by training, he spent his whole career as a fellow of the *Centre National de la Recherche Scientifique* (CNRS). He held a Professor position at École polytechnique from 1986 to 2012. From 1990 to 1992, he was President of the *Société Mathématique de France* and President of the European Mathematical Society from 1995 to 1998. He is a former member of the Board of the EuroScience organisation (2002-2006) and served on EuroScience Open Forum (ESOF) committees since 2004.

Professor Bourguignon received the *Prix Paul Langevin* in 1987 and the *Prix du Rayonnement Français* in Mathematical Sciences and Physics from the *Académie des Sciences* de Paris in 1997. He is a foreign member of the Royal Spanish Academy of Sciences. In 2005, he was elected honorary member of the London Mathematical Society and has been the secretary of the mathematics section of the *Academia Europaea*. In 2008, he was made *Doctor Honoris Causa* of Keio University, Japan, and, in 2011, *Doctor Honoris Causa* of Nankai University, China.

In addition to his mother tongue, French, Professor Bourguignon is fluent in English and German.



Miguel Seabra
Science Europe (SE)

Miguel Seabra is President of the *Fundação para a Ciência e a Tecnologia* (FCT), the Portuguese funding agency for science and research and since Sept 2014, is also President of Science Europe. He sits on the general assembly of the ESF; is the FCT representative in the GRC; the Head of the Portuguese delegation for the ERAC; and the national delegate and head of the

Portuguese delegation to the ESA Council.

Miguel Seabra is a leading researcher in the field of membrane trafficking with over 120 papers in international scientific journals and more than 9900 citations (h-index: 51). He holds a MD from the *NOVA Medical School* (NMS) and a PhD in Biochemistry and Molecular Biology, from UT Southwestern Medical Center, where he was Associate Professor between 1994-97. He then moved to the Imperial College Medical School where he became Full Professor and head of unit. In 2007, he joined the *Instituto Gulbenkian de Ciência* as Principal Investigator and the NMS as a Full Professor.

Before taking up his current role, Miguel Seabra was director of the Chronic Diseases Research Centre. He retains Full Professorship at NMS, where he coordinates research in Cellular and Molecular Medicine and holds several chairs.

**Romain Murenzi**

The World Academy of Sciences (TWAS) – for the advancement of science in developing countries

As executive director of TWAS, **Romain Murenzi** directs a secretariat that administers over 500 PhD and postdoctoral fellowships per year for scientists from developing countries and in research grants programme for individuals and research groups in DCs. Murenzi also plays a key role in global science diplomacy

and science policy initiatives.

Before joining TWAS in 2011, Murenzi served eight years as Rwanda's Minister of Education, Science, Technology and Scientific Research, and from 2006 to 2009 as Minister in the President's Office in Charge of S&T, with responsibilities including ICT. In 2009 he was a senior scholar at the Center for Science, Technology and Sustainable Development at the American Association for the Advancement of Science; he served as director from 2010-2011.

Murenzi is fellow of TWAS and of the African Academy of Sciences. He serves on the board of directors for the Global Research Council, on the board of the Dian Fossey Gorilla Fund International, Nelson Mandela Institute and on the Leadership Council of the Sustainable Development Solution Network.

Global Research Council
Tokyo 27 – 28 May 2015

Representatives of Partner Organizations, Distinguished Guests & Observers

American Association for the Advancement of Science (AAAS)



Rush D. Holt
CEO and Executive Publisher

Rush D. Holt, Ph.D., became Chief Executive Officer of the American Association for the Advancement of Science (AAAS) and Executive Publisher of the Science family of journals in February 2015. Before coming to AAAS, Holt served as a member of the United States Congress (1999-2015). He has held appointments on the faculties of the Institute for Advanced Study (2014-15) and Swarthmore College (1980-88) and was assistant director of the Princeton Plasma Physics Laboratory (1989-1998). An elected fellow of AAAS, the American Physical Society, and Sigma Xi, Holt holds degrees in physics from Carleton College and New York University.

Association of Pacific Rim Universities (APRU)



Christopher Tremewan

Secretary General

Dr Christopher Tremewan was elected Secretary General of the Association of Pacific Rim Universities (APRU) in 2011.

Founded by the presidents of Berkeley, Caltech, UCLA, and USC, APRU is an association of 45 leading research universities of the APEC economies (apru.org). Dr Tremewan, a specialist in Southeast Asian politics and previously Vice-President

(International) of The University of Auckland, heads the APRU Secretariat located in Singapore. He has focused the network's activities on three areas: shaping higher education and research policy, creating global leaders, and partnering on solutions to Asia-Pacific challenges.

A graduate of Auckland, Canterbury and Harvard, he has also been elected a senior associate member of St. Antony's College, Oxford University, was a visiting professor at Peking University and a visiting fellow at Georgetown University.

A specialist in Asian politics, he was the founding director of the New Zealand Asia Institute. He has held positions in international organisations in Hong Kong, Singapore and Tokyo.

Department of Science and Technology, Republic of South Africa (DST)



Daan du Toit

Deputy Director-General: International Cooperation and Resources

Daan du Toit has held various positions, first in the South African Department of Foreign Affairs and since 2002 in the newly established Department of Science and Technology, related to the South Africa's international scientific and technological (S&T) cooperation. He has also represented South Africa in various multilateral forums dedicated to international S&T cooperation,

including for example the OECD Global Science Forum, the Group on Earth Observations in which establishment he had played a central role and bodies of the United Nations.

In October 2006, he was appointed as the South African Department of Science and Technology's Senior Science and Technology Representative to the European Union, a position based at the South African Mission to the European Union in Brussels where he held the position of Minister Counsellor.

He is currently a member of the SKA Organisation's Strategy and Business Development Committee. With effect from 1 April, he was appointed as Deputy Director-General for International Cooperation and Resources in the South African Department of Science and Technology, responsible for all aspects of South Africa's international science, technology and innovation partnerships.

Elsevier



Youngsuk Y.S. Chi
Chairman

Youngsuk Y.S. Chi is a leader in the media-tech industry. As Chairman of Elsevier, he works directly with governments, Elsevier customers and in industry associations worldwide. In his primary role as head of Corporate Affairs and Asia Strategy for RELX Group, he is responsible for government affairs, corporate communications, and corporate responsibility for Elsevier's parent company. Chi recently completed 4 years of service as President of the International Publishers Association, an organization that represents more than 50 publishing industry association members from around the world, and will serve as Past President for the coming 2 years. Mr. Chi is based in London and New York, but travels extensively to meet with scientific research communities and government bodies worldwide. Chi joined Elsevier in 2005 after serving as Chairman of Random House Asia and President of Random House. Prior to Random House, he held several President and CEO positions at Ingram Distribution Holding and co-founded Lightning Source, the book industry's first ever print-on-demand and e-book distribution company. Chi has served on numerous boards, including that of Princeton University, and currently serves on the Executive Committees of the Association of American Publishers and the International Association of Scientific, Technical & Medical Publishers.

Embassy of the Republic of South Africa in Japan



Mohau Pheko
Ambassador Extraordinary and Plenipotentiary

20+ years of progressive professional accomplishments in the areas of economic planning, development, public health, budget planning, training and facilitation, international development, health economics, rural development, organisational design, gender development, analysis and training. Has served as a consultant for development assistance programmes for various United Nations agencies. Expert in project formulation, and transformational strategies to promote economic and social development in Africa. Known for acting as a mentor and engaging teams, keeping them motivated, fresh, and focused especially on high-profile, high-stress assignments. Ability to deconstruct development information and discourse, compelling policy makers, corporate sector & NGO's to engage with development issues effectively. Pheko joined the Department of International Relations & Cooperation August 2010. 2010-2011 Served as The Republic of South Africa's High Commissioner to Canada 2012-Began her tenure as The Republic of South Africa's Ambassador Extraordinary & Plenipotentiary to Japan

European Science Foundation (ESF)



Pär Omling
President

Pär Omling is presently Advisor to the vice-Chancellor of Lund University, President of the European Science Foundation and Board member of Science Europe. He has been deeply involved in national and international research policy for the last 20 years and has e.g. acted as adviser to several governments and research organisations, been President of EUROHORCs, and served as the Head of the Swedish Research Council for 10 years. As Professor at Lund University his main research interests are semiconductor physics, mesoscopic physics and nanoscience. Omling is member of two Swedish and one European Academies. 1995 he was awarded the Gustafsson-prize in physics by the Royal Swedish Academy.

European University Association (EUA)



Lidia Borrell-Damian
Director, Research & Innovation Unit

Lidia Borrell-Damian is Director for Research and Innovation with responsibilities for EUA's work on supporting and enhancing the role of universities as key research and innovation actors at European level. Responsibilities include the coordination of policy and project development activities.

Since she joined EUA in 2006 she developed project and policy work in the areas of university-business research collaboration, knowledge transfer and the role of universities in regional innovation. She also developed work in the energy policy field through the development of the European Platform of Universities in Energy (EPUE).

Lidia Borrell-Damian has a doctorate in chemistry (chemical engineering Specialty) from the University of Barcelona. Before she joined EUA, she was Director of Research at Universitat Pompeu Fabra from 2003 to 2005. She also had worked in the private sector in a chemical company in Barcelona as R&D Deputy Director from 2001 to 2003. Prior to that she was a researcher in the university sector and held the positions of assistant professor at the University of Barcelona from 1990 to 1998; visiting scholar at the North Carolina State University (USA), 1997 to 1998; and post-doctoral researcher from 1999 to 2000 at the University of Western Ontario (Canada).

International Association of Scientific, Technical and Medical Publishers (STM)



Michael A Mabe
Chief Executive Officer

Mabe was appointed CEO of STM in 2006 and has over thirty years' experience of academic publishing. After growing up on the Sussex coast of England, he read chemistry and did research into Carbon Dating at Oxford University, joining Oxford University Press in 1980. Prior to leading STM, he held a number of senior publishing and management positions at the British Standards Institution, Pergamon Press and Elsevier. He has served since 2006 on the Board of the International Federation of Reprographic Rights Organisations and numerous publishing industry committees and groups. He is a Visiting Professor in Information Studies at University College London and at the University of Tennessee, Knoxville, USA, and speaks and writes regularly about the academic publishing system. From 2008-12 he was Chair of (and publisher representative on) the PEER Project, a major multi-stakeholder European Union-funded research study of the effects of systematic Green Open Access on researchers, libraries, publishers, journals and repositories which reported its behavioural, economic and usage results in 2012.

International Association of Universities (IAU)



Dzulkifli Abdul Razak
President

Dzulkifli Abdul Razak (or for short, Dzul) is the currently the 14th President of the International Association of Universities (IAU), a UNESCO-affiliated organisation, based in Paris. Currently he is an Honorary Professor at the University of Nottingham; and holds the Chair of Islamic Leadership at Islamic Science University (USIM) in Malaysia. He also chairs the Steering Council of the Right Livelihood College Global Secretariat based in the University of Bonn, Germany. Of late he has been appointed as select member to the 2015 Hamburg Transnational Leaders Council, a think tank of the future of higher education. He was also made a member of Global Leadership Initiative at the School of Frontier Sciences, University of Tokyo, Japan. His other involvements internationally include being a member of the Asia-Europe Meeting (ASEM) - Advisory Education Hub Committee since 2007, and Executive Council of the Association of Commonwealth Universities (2006-2011). He has served as the 5th Vice-Chancellor of "Universiti Sains Malaysia" (USM), from 2000 to 2011, and as a member of the World Health Organization (WHO) Expert Advisory Panel on Drug Policy and Management since 1995 until 2010; as well as the WHO Scientific Committee of Tobacco Product Regulation (2004-2006).

League of European Research Universities (LERU)



Kurt Deketelaere
Secretary-General

Since July 2009, **Kurt** is the Secretary-General of the League of European Research Universities (LERU), an association of twenty-one leading research-intensive universities (Oxford, Cambridge, Leiden, Leuven, Heidelberg, etc). Before joining LERU, he was the chief legal advisor (2004-2007) and the chief of staff (2007-2009) of the Flemish Minister for Public Works, Energy, Environment and Nature. He is also a professor of law (however on parttime leave since 2007) at the University of Leuven, the university where he studied law (1984-1989), obtained his PhD in Law (1989-1995) and spent (until now) his whole academic career. Furthermore, he is an honorary professor of law at the University of Malta and the University of Dundee, was awarded the Hou-De Honorary Chair at the National Tsing Hua University in Taiwan, and has been a visiting professor of law at the Universities of London, Sydney and Singapore. Kurt published extensively in the field of EU Environmental, Energy and Climate Change Law, and is the editor of several leading bookseries and journals in that field. Finally, he chairs the Board of Directors of the Flemish Energy Regulator (VREG), is chair of the Flemish Environmental Damages Commission, co-chair of the Malta Legal Forum on Adaptation to Climate Change, and is on the board of a number of profit (MRBB, AIF) and non-profit (I-Cleantech) organisations in Belgium.

National Institute for Academic Degrees and University Evaluation (NIAD-UE)



Syun Tutiya
Professor

Syun Tutiya is currently a professor at Research and Development Division, The National Institution for Academic Degrees and University Evaluation (NIAD-UE), a quality assurance agency for higher education. Before he joined the NIAD-UE in 2011, he taught courses in philosophy, logic and cognitive science at the Faculty of Letters, Chiba University and led research projects in document processing, spoken dialog and information ethics in the graduate school, also serving as University librarian from 1998 to 2002, and from 2005 to 2007 as well as being involved in international exchange programs the development of information infrastructure. While he is committed to quality assurance, his research interests include the practical and theoretical aspects of international education and open access to research results and to higher education.

Nature



Philip Campbell
Editor-in-Chief

Dr. Philip Campbell is Editor-in-Chief of Nature and of the Nature Publishing Group. His areas of responsibility include the editorial content and management of Nature, and assuring the long-term quality of all Nature publications. He is based in London.

He has a BSc in aeronautical engineering, an MSc in astrophysics and a PhD and postdoctoral research in upper atmospheric physics. Following his research, he became the Physical Sciences Editor of Nature and then, in 1988, the founding editor of Physics World, the international magazine of the UK Institute of Physics. He returned to Nature to take on his current role in 1995. He has worked with the UK government, the European Commission and the US National Institutes of Health on issues relating to science and its impacts in society. For ten years until 2012 he was a trustee of Cancer Research UK. He is a founding trustee and Chair-Elect of the research funding charity 'MQ: transforming mental health'. He is an elected Fellow of the Royal Astronomical Society and of the Institute of Physics, has honorary degrees from several universities, and was awarded an Honorary Professorship by the Peking Union Medical College. He is a Life Member of Clare Hall, Cambridge University.

Next Einstein Forum (NEF)



Arun Sharma
Managing Director

Arun is the Managing Director of the Next Einstein Forum, leading the implementation of this programme along with team members from across the AIMS-NEI network. A member of the AIMS-NEI team since 2010, Arun has supported the growth of the AIMS-NEI network including through support to operations, programmes, partnerships and various strategic initiatives.

Arun holds Bachelors and Masters Degrees in Engineering from University of Waterloo and a MPhil in Sustainable Development from the University of Cambridge.

Purdue University



Ei-ichi Negishi

Herbert C. Brown Distinguished Professor of Chemistry
2010 Nobel laureate in Chemistry

Born in 1935 in Changchun, in the former Manchuria. Graduated from the Faculty of Engineering, University of Tokyo. He joined TEIJIN Ltd. in 1958 as a researcher, but obtained a Fulbright Smith-Mund All-Expense Scholarship in 1960. He received his Ph.D. degree in Science from University of Pennsylvania in 1963.

After three years research work at TEIJIN, he joined Prof. H. C. Brown's group at Purdue University in 1966 as a Postdoctoral Associate and then as Professor Brown's assistant in 1968. He then became an Assistant and Associate Professor at Syracuse University (1972-1979). Since 1979, he has been Professor at Purdue University. Since 1999, he was appointed Herbert C. Brown Distinguished Professor of Chemistry, Purdue University. In 2010, he received the Nobel Prize in Chemistry together with Akira Suzuki and Richard Heck.

Royal Swedish Academy of Sciences



Erling Norrby

Emeritus Professor

Erling Norrby received a M.D in 1963 and a Ph.D. 1964, at the Karolinska Institute. He became professor of virology in 1972 and served as the Dean 1990-96. He has published more than 400 papers in virology. During more than 20 years he was involved in the Nobel Committee at the Institute. In 1997 he became the Permanent Secretary at the Royal Swedish Academy of Sciences

a position he held until 2003. In this position he had the overriding responsibility for the work on Nobel Prizes in physics and chemistry and he was a member of the Board of the Nobel Foundation. Presently he is at the Center for the History of Science at the Academy. He has written two books about Nobel Prizes from before - Nobel Prizes and Life Sciences; Nobel Prizes and Nature's Surprises - and is currently working on a third one. He is the Vice-Chairman of the Board of Trustees of the J Craig Venter Institute in La Jolla, CA. He also holds one of the leading functions at the Royal Swedish Court as Lord Chamberlain-in-Waiting.

Science and Technology in Society *forum* (STS *forum*)



Koji Omi

Founder and Chairman

In 1956, **Koji Omi** joined the Ministry of International Trade and Industry (MITI). On an assignment with MITI, he served as Consul at the Japanese Consulate in New York from 1970 to 1974. Koji Omi resigned from MITI in 1982 to run for the House of Representatives (lower house). During his 26 years of service in the House, Koji Omi held prominent positions in the ruling Liberal Democratic Party (LDP) and served three times as Cabinet Member namely Minister of Finance, Minister of State for Science and Technology Policy for Okinawa and Northern Territories Affairs, and Minister of State for Economic Planning. Koji Omi is considered a key political figure and one of the most influential in the field of science and technology in Japan. One of his achievements includes the central role he played in enacting the Fundamental Law of Science and Technology in 1995. Koji Omi advocated for, and was very influential in promoting, the founding of the Okinawa Institute of Science and Technology, an international and interdisciplinary graduate university. In 2004 he founded the Science and Technology in Society (STS) *forum*, with the aim of building a worldwide network among scientists, policy makers, business people and journalists.

United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS)



Masafumi Nagao

Visiting Professor and Program Adviser

Masafumi Nagao serves as Coordinator of UNU-IAS Project on Education for Sustainable Development in Africa (ESDA), which supports graduate level capacity development programs in sustainable development conducted by leading African universities in Ghana, Kenya, Nigeria, South Africa and Zambia. Following graduate education in economic policy at Hitotsubashi University (Tokyo), he worked as a researcher for United Nations Conference on Trade and Development (1975-87), Program Researcher and Director for the Sasakawa Peace Foundation (1987-98) and Research Professor for the Center for the Study of International Cooperation in Education, Hiroshima University (1998-2008). Since 2008 he has taught development, program evaluation and field research methods at undergraduate and graduate level at International Christian University and the Graduate Program in Sustainability Science, the University of Tokyo, at the same time helping UNU and a collaborative network of African universities to jointly develop and implement a Masters level curriculum in 3 key areas of sustainable development concern – that is, integrated rural development, sustainable urban development and mineral and mining resources development and management. These three Masters Programs are now into their second year, and plan is under way to capacitate them with field-based research to be conducted by ESDA's Next Generation Researchers.



Emmanuel Mutisya

Project Coordinator

Emmanuel Mutisya is a Project Coordinator of the ESDA's Next Generation of Researchers Group – a group of young faculty members, below the age of 40 years, who are expected to assume a key role in implementing and supporting field-based and problem-solving oriented research in the ESDA Programmes – as well as assume leadership in sustainability science research. He is also a Project Assistant Professor at the University of Tokyo's Graduate Program in Sustainability Science, Global Leadership Initiative (GPSS-GLI). Dr. Mutisya was educated in Kenya, Sweden and Japan. He studied Mathematics and Economics courses at Egerton University in Kenya, holds a Master of Science in Mathematics from Karlstad University in Sweden, Master of Arts in Public Administration from International Christian University in Japan and a Ph.D in Sustainability Science from the University of Tokyo. Dr. Mutisya's research interests include sustainability science, higher education, sustainable livelihoods, green growth, urban development, water and sanitation, climate change, renewable energy, knowledge creation, sharing and exchange, environmental impact assessment, resilience, big data analysis, modeling and impact evaluations.

University of Leicester



Paul Boyle

President and Vice-Chancellor

Former President, Science Europe (SE)

Professor Paul Boyle was recently appointed as President and Vice-Chancellor of the University of Leicester. Prior to joining the Leicester, Professor Boyle was Chief Executive of the Economic and Social Research Council (ESRC) and held the position of International Champion of Research Councils UK, with responsibility for international strategy on behalf of all seven research councils. He was also President of Science Europe. Before joining the ESRC, Professor Boyle was Head of the School of Geography and Geosciences at the University of St Andrews. His research focused on population and health geography. He was also Director of the ESRC-funded Longitudinal Studies Centre Scotland, Co-Director of the ESRC-funded Centre for Population Change, and Co-Investigator on both the Wellcome Trust-funded Scottish Health Informatics Program and the ESRC-funded Administrative Data Liaison Service.

World Economic Forum



William Lee Howell

Managing Director, Member of the Managing Board

W. Lee Howell is Managing Director and Member of the Managing Board at the World Economic Forum in Geneva, Switzerland. He is responsible for the programming and organization of the Forum's flagship Annual Meeting in Davos, Switzerland; Annual Meeting of the New Champions in China; and the Summit on the Global Agenda in the United Arab Emirates. Prior responsibilities at the Forum include Editor-in-Chief of the *Global Risks Report* (2012 and 2013 editions) and Senior Director for Asia (2004-2009). He began his international career as a Fellow at the Center for Strategic and International Studies (CSIS) and then was Deputy Director of the Japan Society in New York. He also worked for Dr. Sadako Ogata, the United Nation High Commissioner for Refugees (UNHCR), to launch an initiative promoting the repatriation and reintegration of refugees in Rwanda and in Bosnia-Herzegovina. He later served as Senior Policy Adviser at the United States Agency for International Development (USAID) to improve management performance and policy implementation. He is a member of the Board of Governors of the Pacific Forum/CSIS in Hawaii, a member of the Editorial Board of *Global Asia* in Seoul and a member of the EAT Stockholm Food Forum Advisory Board. He is also affiliated with the International Centre for Corporate Governance in St Gallen, Switzerland, where he pursued his doctoral studies related to risk management and corporate governance.

Global Research Council
Tokyo 27 – 28 May 2015

Japan Society for the Promotion of Science (JSPS)



The Japan Society for the Promotion of Science (JSPS) is the most extensive funding agency in Japan in terms of the scope of the research fields covered—a full spectrum of the humanities, social sciences, and natural sciences. It plays a pivotal role across a broad framework of government policies established to promote scientific advancement.

Established in 1932, JSPS is now implementing its third 5-year Mid-term Plan as an independent administrative agency. The plan has four pillars: (1) Creating world-leading knowledge in diverse fields; (2) Building robust international cooperative networks; (3) Fostering the next generations of researchers and enhancing the education and research functions of universities; and (4) Building evidence-based science-promotion systems while strengthening linkage with society.

One of the programs that JSPS carries out towards achieving the plan's first objective is Grants-in-Aid for Scientific Research, which comprises more than 50 percent of all competitive funding by the Japanese government. The program is specifically designed to seed curiosity-driven research. Various grant categories are provided so as to respond to the diversifying objectives and evolving nature of research while supporting research activities from their budding to blooming stages. Screening of grant applications is performed by peer review, carried out by more than 6,000 researchers. Under this Grants-in-Aid program, some 79,000 research projects are supported each year.

To build Japan's global research capacity, JSPS has 10 liaison offices and one overseas advisor in countries around the world; they promote and facilitate international research cooperation along with researcher mobility. Upon a foundation of partnership built with 88 science-promotion organizations in 49 countries and regions, JSPS carries out an array of programs through which more than 500 international joint research projects and seminars are supported each year. Over 1,600 overseas researchers are also awarded fellowships to conduct research in Japan, while various international training opportunities are offered to foster the next generation of Japanese researchers. JSPS also participates proactively in several international networks of science-promotion organizations, including the Global Research Council and Asian Heads of Research Councils (AsiaHORCs), to cultivate and expand an environment conducive to researchers carrying out a wide range of regional and global scientific activities.

Another of JSPS's roles is the provision of "Research Fellowships for Young Scientists," Japan's core program for fostering young Japanese researchers. Under it, about 6,000 fellows, from doctoral course students to postdoctoral researchers, are supported every year.

Toward fulfilling its societal responsibility, JSPS is also working to elevate research ethics. In collaboration with the Ministry of Education, Culture, Sports, Science and Technology, JSPS has created and is carrying out a training program for methodically improving research-ethics education in Japan.

In the future as well, JSPS will continue to rigorously carry out the mandate given it by the scientific community both at home and abroad as Japan's core funding agency supporting the advancement of scientific research.

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Global Research Council
Tokyo 27 – 28 May 2015

National Research Foundation (NRF) of South Africa



The NRF was established in 1998 to support and promote research through funding, human resource development and the provision of research facilities. The goal of the NRF is to create innovative funding instruments, advance research career development, increase public science engagement and to establish leading-edge research platforms that will transform the scientific landscape and inspire a representative research community to aspire to global competitiveness. The NRF promotes South African research interests across the country and internationally, and together with research institutions, business, industry and international partners. It operates a number of business units that focus on specific areas of research and knowledge advancement.

Research and Innovation Support and Advancement (RISA)

RISA acts as an intermediary between government strategies, research institutions and researchers. It focuses on producing qualified people and high-level infrastructure relevant to knowledge production. The activities of RISA business units include:

- Promotion and development of applied research.
- Promotion of South Africa's science and technology links on the global front.
- Facilitating the advancement of the frontiers of existing and development of new fields of knowledge.
- Facilitating knowledge generation, access to and utilisation of data and information.
- Development of institutional research capabilities and infrastructure in parallel with the appropriate human capital.

Through RISA, the NRF is involved in a number of special initiatives including:

- The South African PhD Project,
- International science initiatives that promotes and facilitate international collaboration;
- The NRF Rating system which was set up to help local researchers to achieve world-class, peer-recognised ratings.
- The South African Research Chairs Initiative (SARCHI) and
- The Centres of Excellence (CoEs).

South African Agency for Science and Technology Advancement (SAASTA)

SAASTA supports science advancement and interventions through education-related programmes; science, engineering and technology (SET) awareness platforms; and science communication.

National Research Facilities

Located throughout South Africa, the National Research Facilities focus on specific research clusters, i.e. biodiversity, astronomy and nuclear:

- **Biodiversity**
 - o South African Environmental Observation Network (SAEON)
 - o South African Institute for Aquatic Biodiversity (SAIAB)
 - o National Zoological Gardens (NZG)
- **Astronomy**
 - o South African Astronomical Observatory (SAAO)
 - o Square Kilometre Array South Africa (SKA SA)
 - o Hartebeesthoek Radio Astronomy Observatory (HartRAO)
- **Nuclear**
 - o iThemba Laboratory for Accelerator Based Sciences (iThembaLABS)

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Global Research Council
Tokyo 27 – 28 May 2015

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