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منظمة الأمم المتحدة  
للتربية والعلم والثقافة

联合国教育、  
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# Towards Knowledge Societies for Peace and Sustainable Development First WSIS+10 review meeting



## High-level Meeting

### World Summit on the Information Society Review Meeting (WSIS+10)

#### *Using e-Science to Strengthen the Interface between Science, Policy and Society*

UNESCO Headquarters Paris, Room II

26 February 2013

ROUNDTABLE

(11:05 - 12:30)

#### Biographic Summary

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#### **COTTA José**

- Chief of Digital Science Unit, DG CNECT European Commission



José Cotta graduated in Mathematics from the University of Lisbon, Portugal in 1978 and has a PhD in Logic Programming. He was researcher in the National Laboratory for Civil Engineering in Lisbon and joined the European Commission in 1986 where he has held various management positions. He is currently the Head of Unit for Digital Science within the Communications Networks, Content and Technology (CONNECT) Directorate-General of the European Commission



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### EWA Ita Okon Bassey (Prof.) - Federal Republic of Nigeria

- Honourable Minister of Science and Technology
- An Analytical Nuclear Physicist and University Professor



Professor Ita Okon Bassey was appointed as the Minister of Science and Technology of the Federal Republic of Nigeria in July 2011. In 1977 he obtained a B.Sc (Hons) in Physics from the University of Nigeria, Nsukka. He pursued his post graduate studies at Ahmadu Bello University, Zaria, Nigeria where he graduated with M.Sc (Nuclear Physics) and Ph.D (Physics) in 1982 and 1993 respectively. He undertook several professional trainings in analytical nuclear physics sponsored by the International Atomic Energy Agency (IAEA) Vienna, Austria. Professor I.O.B. Ewa began his professional training career in Reactor Physics with the Kernforschungszenrum, Karlsruhe, West Germany in 1981 after which proceeded to Texas A & M University from 1989-1990 for an International Atomic Energy Agency (IAEA) research initiative on Nuclear Analytical Techniques. Thereafter, he undertook some research on Neutron Activation Analysis at the Dalhousie University, Halifax, Canada (1995-1996) under the sponsorship of the IAEA. In 2000, he was again sponsored by the IAEA to undertake a research on Monte Carlo Methods in nuclear research reactor applications at the Technical University of Budapest, Hungary. In 2002 he went to the Reactor Centre, Ghana Atomic Energy Commission, Legon, Accra on an IAEA Expert Mission. Between 2003 and 2004, at the International Centre for Theoretical Physics (ICTP), Trieste, Italy he conducted research on codes, nuclear data and reaction. In 2008, he was awarded an IAEA Coordinated Research Project on the 'Development and Applications of Calibration Method for HPGe Detectors Used in Measurement of Environmental samples.

Professor I.O.B. Ewa, a great educator and Professor has taught Physics and supervised over 20 postgraduate thesis at the Physics Department, Ahmadu Bello University, Zaria, Nigeria. He was been a researcher at the Nuclear Research Centre, Centre for Energy Research and Training, Ahmadu Bello University, Zaria, Nigeria from 1983 to date. He has to his credit over 100 peer-reviewed journals and technical publications. He is a member of several international professional bodies.



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### REBELO PIRES GAGO José Mariano (Prof) - Portugal

- Former Minister of Portugal, in charge of Science and Technology, Information Society and Higher Education (1995-2002 and 2005-2011).
- Professor of Physics at Instituto Superior Técnico in Lisbon



Professor of Physics at *IST (Instituto Superior Técnico, Lisbon)* and an experimental high-energy physicist (*École Polytechnique* and *Université Pierre et Marie Curie, European Organisation for Nuclear Physics - CERN* and *LIP*) he has also created and chairs a think-tank for forward-looking studies, *Instituto de Prospectiva*.

He prepared, along with the EC, the *Lisbon Strategy* for the Information Society and the European Research Area, chaired the *Initiative for Science in Europe (ISE)* and campaigned for the creation of the European Research Council. He chaired the *High Level Group on Human Resources for S&T* and coordinated the report *Europe Needs More Scientists*. He was the first President of the *International Risk Governance Council (IRGC)* in Geneva and is a member of IRGC Board.

Professor Gago has recently prepared a new UNESCO Centre for the advanced training of scientists from developing countries. He is policy advisor to the European Cancer Organization, member of the Board of INSERM and special advisor to ESA Director-General. He is a member of the *Academia Europaea* and was elected Honorary Member of the European Physical Society.

### KABALE Jacques (H. E.) - Rwanda

- Ambassador Extraordinary and Plenipotentiary of the Republic of Rwanda to France, Permanent Delegate



H.E Jacques Kabale Nyangezi began his professional career as Legal Counsel from 1985 to 1989. In 1992, he was appointed to the European Commission, where he served as a legal expert in the Directorate of Customs Union and Indirect Taxation and in the Drugs Directorate. He served as Director Rwandan Ministry of Family and Promotion of Women from 1995 to 2000. He has also acted as Advisor in the Ministry of Finance and Economic Planning. In 2001, he was appointed as Member of the Legal and Constitutional Commission, which is responsible for drafting the Constitution of Rwanda until 2003. He is Consultant to the Ministry of Finance and Economic Planning, UNICEF and UNDP in 2004, and SIPAAS (Support to the International Partnership Against AIDS



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in Africa). During 2005 – 2008, he worked at the African Development Bank as a Personal Assistant to the president then Chief Counsel of the Department of Human Resources until 2010. H.E Jacques Kabale Nyangezi presented his credentials as the Ambassador of Rwanda in France on 2 July 2010. He is also non-resident Ambassador of Rwanda in Spain, Italy, Greece, Malta, Monaco and Portugal as well as the Permanent Representative of Rwanda to the following international institutions: UNESCO, Francophonie (OIF), FAO, WFP, IFAD, OMT and IBE.

### **TOTH Tibor, Ambassador**

- Executive Secretary Executive Secretary of the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)



Ambassador Tibor Tóth has been the Executive Secretary of the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) since 2005. The CTBTO is the international organization tasked with promoting and monitoring compliance with the Comprehensive Nuclear-Test-Ban Treaty (CTBT), which bans all nuclear explosions.

Ambassador Tóth has been actively involved in international disarmament and non-proliferation issues for over three decades. From 1990 to 1993 and from 2003 to 2005, he was the Ambassador and Permanent Representative of Hungary to the United Nations in Geneva. From 1997 to 2001 he served in the same capacity to the United Nations in Vienna. In these capacities he represented Hungary at the Conference on Disarmament, the International Atomic Energy Agency and its Board of Governors, as well as the CTBTO. He was also Ambassador and Permanent Representative to the Preparatory Commission of the Organization for the Prohibition of Chemical Weapons in the Hague, and from 1994 to 1996 served as the Deputy State Secretary of Defense responsible for international affairs.



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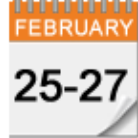
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### WATSON Robert (Professor, Sir) - United Kingdom

- Director of Strategic Development, Tyndall Centre for Climate Change Research
- Ex-Chief Scientific Advisor, UK Department for Environment, Food and Rural Affairs (DEFRA)
- Ex-Chair, Intergovernmental Panel on Climate Change, Millennium Ecosystem Assessment, and International Assessment of Agricultural Science and Technology for Development.
- Involved in the negotiation of global environment conventions, global change assessments (climate change, biodiversity and agriculture), science-policy interface



As Chief Scientific Adviser for UK DEFRA Watson's main role was to provide ministers with the best possible scientific advice and build on existing measures to ensure that science and technology are used to inform policy. He also supported the UK Government's scientific work on minimizing the effects of climate change and improving sustainability by promoting consistency across DEFRA and other government departments. He was previously at the World Bank where he was the Chief Scientist and Senior Adviser for Sustainable Development. He has also held senior positions at the White House, where he was responsible for ensuring that science underpinned policy-making, and at NASA. He has also held positions as Chairman of the Global Environment Facility's Scientific and Technical Advisory Panel from 1991 to 1994, Chair of the Intergovernmental Panel on Climate Change (IPCC) from 1997 to 2002, Board co-chair for the Millennium Ecosystem Assessment from 2000 to 2005, Director of the International Assessment of Agricultural Science and Technology for Development from 2003 to 2008, Co-chair of the International Scientific Assessment of Stratospheric Ozone from 1980 to 2007. He has also co-chaired IPCC Working Group II, the UNEP Global Biodiversity Assessment, and the negotiations to establish the Intergovernmental Panel on Biodiversity and Ecosystem Services. He is currently Professor of Environmental Sciences; Director of Strategic Development, Tyndall at the University of East Anglia. He has been awarded numerous international and national awards for contributions to the science-policy interface, including the Asahi Glass Blue Planet prize in 2010, and was knighted in the UK in 2012.

### ZDRAHAL Zdenek - United Kingdom

- Senior Research Fellow at Knowledge Media Institute of the Open University
- Associate Professor at The Faculty of Electrical Engineering, Czech Technical University
- Associate Editor of IEEE Transactions on Systems, Man and Cybernetics



Zdenek Zdrahal received his MSc (Ing) and PhD (CSc) degrees in Technical Cybernetics from the Czech Technical University in 1969 and 1980, respectively. He has been working in different academic positions at the Czech Technical University (1969 – 1985, 2007 - ), in CINVSTAV, Mexico City and CICESE, Baja California in Mexico (1986 – 1991) and at the Open University, UK (since 1991).



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Mr Zdrahal's research interests include artificial intelligence, knowledge modeling and management, reasoning, knowledge sharing and web technologies. He has been a project leader and principal investigator in a number of research projects in the UK, Czech Republic, and Mexico. He published more than 130 journal and conference papers.

His recent research topics include methods for semantic enrichment and sharing of multimedia, multilingual educational resources (project Eurogene), large-scale aggregation and semantic enrichment of open access research papers (projects CORE, DiggiCORE) and learning analytics with the focus on the development of predictive models of student performance from virtual learning environments (project Retain). Zdenek Zdrahal is an Associate Editor of the IEEE Transactions on Systems, Man and Cybernetics