



**Intergovernmental Science-Policy
Platform on Biodiversity and
Ecosystem Services**

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**Plenary of the Intergovernmental Science-Policy
Platform on Biodiversity and Ecosystem Services**

Fourth session

Kuala Lumpur, 22–28 February 2016

Item 7(a) of the provisional agenda*

**Rules and procedures for the operation of the Platform:
nomination and selection of members of the Bureau**

Curricula vitae of proposed members of the Bureau

Proposed members from Western European and other States

Note by the secretariat

1. As referred to in document IPBES/4/INF/17, the annex to the present note, prepared by the secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, reproduces the curricula vitae of the candidates proposed for the Bureau by the Western European and other States. The curricula vitae are reproduced as received, without formal editing or translation.
2. The candidates are the following:

Ivar Andreas Baste, Norway

Robert Watson, United Kingdom of Great Britain and Northern Ireland

* IPBES/4/1

Annex

Curricula vitae of proposed members of the Bureau from Western European and other States

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CURRICULUM VITAE

Name: *Ivar Andreas Baste*

Date and place of birth: 3 November 1959, Haugesund, Norway

Occupation: Senior Advisor, Norwegian Environment Agency

Civil status: Married, three children

Academic degree: Candidatus scientiarum (Master of Science) in zoology/freshwater-ecology from the University of Trondheim, Norway, in 1986

Contact details: *Mailing Address:* The Norwegian Environment Agency, P.O. Box 5672 Sluppen, N-7485 Trondheim, Norway
Visiting address: Skålagata 50, 5470 Rosendal, Norway
Phone: +4747685529
E-mail: ivar.baste@miljodir.no

Summary of experience and qualifications

28 years of experience in national and international environmental civil service, especially from:

- *International science-policy processes*, including as Chief of the Scientific Assessment Branch in the United Nations Environment Programme (UNEP) and in different roles as bureau member, board member, co-chair, manager, advisor, coordinating lead author, and reviewer in various international environment related scientific assessment processes;
- *National and international environmental governance*, including as Deputy Director General in the Norwegian Ministry of Environment for biodiversity and biotechnology, as Director of the secretariat of the Environmental Management Group (EMG) and in different roles as national advisor and international negotiator; and
- *Management and administration*, including as member of UNEP's Senior Management Team, as acting deputy director in UNEP's Division of Early Warning and Assessment and in various other roles as staff manager and project manager at national and international level.

Employment

2013 – 2015 *Senior Advisor*, The Norwegian Environment Agency, Trondheim, Norway.

Responsibilities: Advising on national biodiversity assessments and international environmental governance and serving as member of the Bureau of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES).

2012 – 2013 *Co-chair and Director of the Trondheim Conference on Biodiversity and Senior Advisor*, The Norwegian Directorate for Nature Management, Trondheim, Norway.

Responsibilities: Directing the organisation and co-chairing the seventh Trondheim Conference on Biodiversity "Ecology and Economy for a Sustainable Society" and serving as member of the Bureau of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES).

- 2010 - 2012 *Freelance adviser* to the United Nations Environment programme (UNEP), the Norwegian Ministry of Environment and the Norwegian Directorate for Nature Management, Rosendal, Norway.
Responsibilities: Advice and facilitation related to IPBES, GEO-5, the Eye on Earth Summit, the Environment Management Group, the UN Conference on Sustainable Development (Rio +20) and bilateral cooperation.
- 2008 - 2010 *Director of the Environment Management Group (EMG) secretariat (D1)* and member of the senior management team of UNEP, Geneva, Switzerland.
Responsibilities: Management of a secretariat of four staff members and 44 EMG member institutions, coordination of joint efforts in the area of biodiversity, dry-lands, green economy, climate neutrality and internal sustainability.
- 2002 - 2008 *Chief of scientific assessment branch (D1)*, UNEP, Nairobi, Kenya.
Responsibilities: Head of a branch with about 30 staff members and acting deputy director for the Division of Early Warning and Assessment with up to 70 staff and responsible for programme development and implementation with an annual budget of about 20 million USD.
- 2000 - 2002 *Counsellor and deputy permanent representative to UNEP and UN-Habitat*, the Royal Norwegian Embassy in Nairobi, Kenya.
Responsibilities: Advancing Norwegian interests in the governance and reform of UNEP and UN Habitat and provide development assistance to the East African Community's management of Lake Victoria and slum dwellers in Nairobi.
- 1995 – 1999 *Deputy Director General*, head of Section for biodiversity and biotechnology, the Norwegian Ministry of Environment, Oslo, Norway.
Responsibilities: Manage a section of six staff members and oversee the implementation of the national act on genetically modified organisms and the implementation of the CBD and the negotiation of the Cartagena protocol.
- 1993 – 1995 *Task Manager (P4) of the Global Biodiversity Assessment*, a project of the Global Environment Facility (GEF), UNEP, Nairobi, Kenya.
Responsibilities: Manage a secretariat of three staff members, cooperation with eleven external institutions and contributions to the global, critical peer-reviewed scientific biodiversity assessment from over thousand experts from 80 countries.
- 1990 – 1993 *Adviser*, Division for Nature Conservation, the Norwegian Ministry of Environment, Oslo, Norway.
Responsibilities: National and international work on biodiversity and biotechnology including on the establishment of the act on development and use of genetically modified organisms and the negotiation of the CBD.
- 1987 – 1990 *Executive officer*, Division of water ecology, the Norwegian Directorate for Nature Management, Trondheim, Norway.
Responsibilities: Work on hydro power, fisheries, acid rain, aquaculture, invasive species, gene-banks, oil pollution, mining and the Chernobyl accident.
- 1984 – 1986 *Engagements as laboratory and field assistant* at the University of Trondheim and the Directorate for Nature Management, Trondheim, Norway.
- 1978 – 1979 *Submarine sonar-operator*, Royal Norwegian Navy, Bergen, Norway.

Experience as chair and facilitator

Co-chair of contact groups of the IPBES Plenary, of its expert groups and of its Task Force on Capacity Building

<http://www.ipbes.net/>

Co-chair for working-group 1 on Policy, Governance and Institutional Networking for the preparation of the Eye on Earth Summit, Abu Dhabi, 12 - 15 December 2011

<http://www.eyeonearthsummit.org/>

Co-facilitator for the annual technical segment of the Meetings of senior officials of the Environment Management Group” (EMG) in 2009, 2010 and 2011

<http://www.unemg.org/MeetingsDocuments/EMGSeniorOfficialsMeetings/tabid/1202/Default.aspx>

Session chair and panellist at the 2nd Global Conference on Environmental Governance and Democracy, Strengthening Institutions to Address Climate Change and Advance Green Economy, Yale University, 17 – 19 September 2010

<http://www.unitar.org/sites/unitar.org.egg/files/UNITAR-Yale%20Conference%20Programme.pdf>

Vice Chair of the board, chair of the nominations committee and member of the executive committee of the African Centre for Technology Studies (ACTS), Nairobi, Kenya (2001-2008)

<http://www.acts.or.ke/>

Chair of Joint Disciplinary Committee, for the UN in Nairobi, Kenya (2006 - 2008) and *1st*

Alternate Chair of the Central Review Board, UN Nairobi, Kenya (2006 - 2008)

Facilitator of the group of Coordinating Lead Authors of the fourth Global Environment Outlook (GEO-4), Environment for development. (2005 – 2007)

Chair of Norwegian inter-ministerial group in 1999 for the development of white paper to parliament nbr. 42 (2000 – 2001) *Biodiversity – Sector responsibility and coordination*

<http://www.regjeringen.no/nb/dep/md/dok/regpubl/stmeld/20002001/stmeld-nr-42-2000-2001-.html?id=194978>

Chair of the Norwegian inter-ministerial group for the implementation of the Act on production and use of genetically modified organisms (1996 - 1999)

Chair of national expert group in Norway on critical loads from long range pollution (1991 – 1993)

Chair of expert group under the Council of Europe on Long term ecological impacts of release of Genetic Modified Organisms (1990 – 1992)

Offices and tasks

Resource person to the Informal Discussion Group on the Institutional Framework for Sustainable Development initiated by Indonesia, Kenya and Mexico in New York in 2011

Lecturer at the biodiversity training session of the China - Norway cooperation project on environmental competence building held in Jiang Xi province in China 5 - 7 July, 2011

Coordinator of the Global Ministerial Environment Forum at the tenth special session of UNEP Governing Council in Monaco 20 - 22 February 2008, <http://www.unep.org/GC/GCSS-X/>

Member of the board and executive committee of the International Mechanism of Scientific Expertise on Biodiversity (IMOSEB) <http://www.iisd.ca/ymb/sdims/16nov.html>

Member of the board of the International Assessment on Agricultural Science and Technology for Development (IAASTD) (2005 - 2008) <http://www.agassessment.org/>

Member of the Ad-hock Steering Group of the Assessment of Assessments of the Regular Process for Global Reporting and Assessment of the Marine Environment (2005 - 2008)
http://www.unga-regular-process.org/index.php?option=com_content&task=view&id=18&Itemid=20

Coordinator of the international consultative process on strengthening of the scientific basis of UNEP (the Science Initiative) (2002 – 2007) <http://www.unep.org/scienceinitiative/>

Alternate member of the board for UNEPs Executive Director Klaus Töpfer, member of the executive committee and formal task manager of the Millennium Ecosystem Assessment (2002 – 2005) <http://www.maweb.org/en/index.aspx>

Focal point in UNEP to the United Nations Committee on the Effects of Atomic Radiation (2004 – 2005)

Member of Norwegian inter-ministerial group for the development of white paper to parliament nbr. 40 (1996 -97) Food quality and consumer safety (1996 -1997)
<http://www.regjeringen.no/nb/dep/lmd/dok/regpubl/stmeld/19961997/stmeld-nr-40-1996-97-.html?id=191209>

Member of expert group established by the Norwegian Directorate of Fisheries on measures to reduce the amount of escaped farmed fish from the aquaculture industry (1989)

Education

1984 - 1986 *Candidatus Scientiarum* (Master) in Zoology (freshwater ecology) at the University of Trondheim, Norway, with thesis titled *Interactions between zooplankton and recently introduced *Mysis relicta* in lake Snåsavatnet*

1979 - 1984 *Candidatus Magisterii* (Bachelor) in biology, chemistry, mathematics and physics at the University of Trondheim, Norway

1978 - 1979 Courses at the submarine school, Royal Norwegian Navy, Bergen, Norway

Publications, reports and presentations

UNEP (2012). *Global Environment Outlook, GEO 5. Chapter 16 Global Responses*. Baste, I., Ivanova, M., and Lee, B. (Coordinating Lead Authors), United Nations Environment Programme, Nairobi, available at <http://www.unep.org/geo/>

Baste, I. A. (2012). *Sustainable Development Goals (SDGs): - Building blocks, balance and international environmental governance*, Discussion paper prepared for the Norwegian Ministry of Environment, Oslo

Baste I.A. (2012). *IPBES programme deliverables: responding to global, regional and national needs*. Key Note presentation at meeting of the European Platform for Biodiversity Research Strategies (EPBRS) “The thematic content of the first IPBES work programme” University of Copenhagen, 16 – 18 January 2012, power point available at <http://www.epbrs.org/>

Baste I.A. (2012). *Peer review procedures in the Millennium Ecosystem Assessment: Lessons learned and Nomination and election of authors, editors and peer reviewers in the Millennium Ecosystem Assessment*. Key Note presentations at EU expert meeting “Peer review procedures in IPBES and procedures for election of authors editors and reviewers in IPBES” University of Copenhagen, 19 – 20 January 2012,

Baste, I., and Dovland, H. (2011). *The Rio Conventions – opportunities through strengthened cooperation*, Report prepared for the Norwegian Ministry of Environment, Oslo, presented at a Panel Discussion: “Considering Reform Options for International Environmental Governance” organised December 14, 2011 by the Nordic Council of Ministers at the International Peace Institute in New York, <http://www.ipacademy.org/events/panel-discussions/details/333-rio20.html>

IPCC (2011). *Renewable Energy Sources and Climate Change Mitigation, Special Report of the Intergovernmental Panel on Climate Change*. Cambridge University press, New York, USA, http://srren.ipcc-wg3.de/report/IPCC_SRREN_Full_Report.pdf - recognized peer reviewer

UN (2011). *Global Dry-lands, A UN system-wide response*. Prepared by the Environment Management Group, *recognized contributor*

http://www.unemg.org/Portals/27/Documents/IMG/LAND/report/Global_Drylands_Full_Report.pdf -

Baste, I. A. (2011). *Organizing capacity building under IPBES in an evolving international environmental governance system* presentation at “International expert meeting on IPBES and capacity building” in Trondheim, 25 – 27 May 2011, available as power point at

<http://www.dirnat.no/multimedia/48783/IPBES-IAB.pdf>

UNEP (2011). *Integrated Assessment of Black Carbon and Tropospheric Ozone*, United Nations Environment Programme, Nairobi http://www.unep.org/dewa/Portals/67/pdf/Black_Carbon.pdf - contributor as member of the High-level Consultative Group for the assessment

Baste, I. A. (2010). *Greening the UN System: The Significance of a Footprint*, Guest Article, Climate Change Policy and Practice, International Institute for Sustainable Development (IISD), <http://climate-iisid.org/guest-articles/greening-the-un-system-the-significance-of-a-footprint/>

UNEP (2010). *Advancing the biodiversity agenda, A UN system-wide contribution, A report by the Environment Management Group, - recognized author/contributor*

http://www.unemg.org/Portals/27/Documents/IMG/Biodiversity/BIODIVERSITY_Agenda_Corrections_finales_.pdf

Baste, I.A. (2010). *A UN system perspective on ecosystem services and sectoral cooperation for halting the loss of biodiversity*, presentation at the sixth Trondheim Conference on Biodiversity 2010 “Getting the biodiversity targets right – working for sustainable development”, Trondheim 1 – 5 February 2010, available as power point at <http://www.trondheimconference.org/content.ap?thisId=500039631>

Tomish, P.T., Argumedo, A., Baste, I., (2010) *Conceptual frameworks for ecosystem assessment: Their Development, Ownership and Use* in Ash, N. et al (ed) *Ecosystems and Human Well-being, A manual for practitioners*, Island Press, London, <http://www.unep-wcmc.org/medialibrary/2010/10/31/90af3045/EcosystemsHumanWellbeing.pdf>

UNEP (2007). *Global Environment Outlook, GEO4, Environment for development. Chapter 8 Interlinkages: Governance for Sustainability*. Gitay, H., Chambers, W.B. and Baste I. (Coordinating Lead Authors), United Nations Environment Programme, Nairobi,

http://www.unep.org/geo/geo4/report/08_Interlinkages_Governance_for_a_Sustainable_Earth.pdf

Baste, I.A. (2007). *Strengthening the scientific basis for the CBD – improving the interface between science and policy*, presentation at the fifth Trondheim Conference on Biodiversity “Ecosystems and people – the road to development – the road to 2010 and beyond” 29 October - 2 November 2007 - summary available in Chairman’s report

<http://www.trondheimconference.org/content.ap?thisId=500030442>

Singh, A., Moldan, B., and Loveland, T. with contributions from Baste, I.A., Beltram, G., (2002). *Making science for sustainable development more policy relevant: New tools for analysis*, ICSU Series on science for Sustainable Development, No. 8, <http://na.unep.net/siouxfalls/publications/newtools.pdf>

Baste, I.A. (1999). *Lament for the planet – or ballad for the biosphere?* Article in Norwegian, presented in Biolog Nr. 3/4, 1999, year 17, a magazine of the Norwegian Biologist Association, Oslo

Watson, R.T., Heywood, V. H., Baste, I., Diaz, B., Gamez, R., Reid W, Ruark, T. (ed) (1995). *Global Biodiversity Assessment. Summary for Policymakers*. Cambridge University Press, Cambridge

Heywood, V. H. and Baste, I. (coordinators) (1995). *Global Biodiversity Assessment. Introduction* Cambridge University Press, Cambridge

Baste, I.A. (1989). *Arctic char (Salvelinus alpinus) in aquaculture – what can we do to avoid damage of natural populations anadromus salmonids?* P. 84 Abstract in Fisheries management controversies: biology, economics, and politics. 119th annual meeting of the American Fisheries Society, Anchorage, AK, Sept 4-8, 1989

Baste, I. A. (1986). Second Observation of Diacyclops Abyssicola (liljb) in Norway, short note in Fauna Norvegica Ser A. / Norwegian Zoological Publication Central

Curriculum Vitae

Sir Robert Tony Watson, CMG, FRS

My career has evolved from a Ph.D. student at QMC, London University; a post-doctoral fellow at University of California, Berkeley and University of Maryland, USA; a research scientist at the Jet Propulsion Laboratory, California Institute of Technology, USA; a Federal Government program manager/director at the US NASA; a scientific advisor in the Office of Science and Technology Policy (OSTP), White House, USA; a scientific advisor, manager and chief scientist at the World Bank; chief scientific advisor to the UK Department of Environment, Food and Rural Affairs; to my present part-time positions as a Professor of Environmental Sciences and strategic director for the Tyndall Center at the University of East Anglia, UK, and Sir Louis Matheson Fellow, Monash Sustainability Institute (MSI), Monash University, Australia. In parallel to my formal positions I have chaired, co-chaired or directed a number of national and international scientific, technical and economic assessments, including WMO/UNEP stratospheric ozone depletion, Global Biodiversity Assessment, Millennium Ecosystem Assessment, UK National Ecosystem Assessment and its Follow-on, Intergovernmental Panel on Climate Change, and the Intergovernmental Assessment of Agricultural Scientific and Technology for Development. I am currently a Vice-chair of the Intergovernmental Platform for Biodiversity and Ecosystem Services. I have also been awarded a number of honours (2012 - Knights Bachelor – UK, and 2003 - “Companion of the Order of Saint Michael and Saint George” - UK); fellowships (2011 – Fellow of the Royal Society, UK), and awards, including 2014 – UN Champion of the World for Science and Innovation, 2010 - Asahi Glass Blue Planet Prize, 2008 – American Association for the Advancement of Science Award for International Scientific Cooperation, and I contributed to the 2007 - Nobel Peace Prize for the IPCC, which I chaired from 1997-2002.

Current Positions

Chair of Environmental Sciences at the University of East Anglia and Director for Strategic Development, Tyndall Center

Department of Environmental Sciences, University of East Anglia, Norwich, Norfolk

Telephone: 01603-593118, 07825-721-370 (mobile)

e-mail: robert.watson@uea.ac.uk

Sir Louis Matheson Fellow, Monash Sustainability Institute (MSI), Monash University, Clayton Campus, Melbourne, Australia

Previous Positions

- Chief Scientific Advisor for the UK Department of Environment, Food and Rural Affairs (DEFRA): September 2007-September 2012
- Chief Scientist, and Senior Advisor for Sustainable Development, World Bank: July 2006 – July 2007
- Chief Scientist, and Senior Advisor for Environmentally & Socially Sustainable Development, World Bank: April 2003 – July 2006
- Chief Scientist, and Director for Environmentally & Socially Sustainable Development, World Bank: January 2000 – April 2003
- Director, Environment Department, World Bank, Washington D.C., August 1997 - December 1999

- Senior Advisor for Environment, Environment Division, World Bank, Washington D.C., May 1996 - June 1997
- Associate Director for Environment, November 1993 - May 1996: Office of Science and Technology Policy, White House, Washington D.C. 20506
- Consultant, June 1993-Nov 1993: Office of Science and Technology Policy, White House, Washington D.C. 20506
- Director, Science Division and Chief Scientist - April 1993 - November 1993: Office of Mission to Planet Earth, National Aeronautics and Space Administration (NASA), Washington, D.C.
- Director, Process Studies Program Office, NASA - 1990-1993:
- Earth Science and Applications Division Branch Chief for Upper Atmospheric Research and Tropospheric Chemistry Programs, NASA - 1987-1990
- Acting Program Scientist (NASA) - 1980-1987 for (1) Upper Atmosphere Research Program; (2) Interdisciplinary Earth Science Research Program; and (3) Global Habitability Initiative -- Detailee from the Jet Propulsion Laboratory
- Research Scientist - 1980-1987: Jet Propulsion Laboratory, Pasadena, CA
- Member of the Technical Staff – 1978-1980: Jet Propulsion Laboratory, Pasadena, CA
- Senior Scientist - 1976-1978: Jet Propulsion Laboratory, Pasadena, CA
- Postdoctoral Research Scientist - 1974-1976: University of Maryland, College Park, MD
- Postdoctoral Research Scientist - 1973-1974: University of California, Berkeley, CA

Special Positions/Experience

- Vice-chair and member of the Bureau of the Intergovernmental Platform for Biodiversity and Ecosystem Services (IPBES) – 2012 – present
- Member of the US National Academy of Science Panel on Policy and Global Affairs – 2015 to present
- Member of the Wellcome Trust Panel for selecting climate research proposals – 2012- present
- Chair of the Interim Engagement Committee for Future Earth 2013-2014
- Co-chair of the UK National Ecosystem Assessment Follow-On – 2012 – 2014
- Member of the Royal Society selection panel 4 for applications for membership - 2011-2014
- Chair/vice-chair of the intergovernmental negotiations of the Intergovernmental Platform for Biodiversity and Ecosystem Services (IPBES) – 2009-2012
- Co-chair of expert panel for the Convention on Biological Diversity on Geo-engineering and Biodiversity – 2011- 2012
- Co-chair of the UK National Ecosystem Assessment – 2010-2011
- Chair Higher Education Funding Council for England Pilot Research Excellence Framework for Earth Sciences and Environment: 2010
- Co-chair of the International Convention on Biological Diversity Ad-Hoc Technical Experts Group on Climate Change and Biodiversity: 2008-2009, and 2002-2003
- Host for the NHK 2-one hour documentary – Climate in Crisis and Planet in Peril, 2008
- Member of the US National Academy of Science Panel on Climate Change, Energy and Security: 2008 - present
- Chair of the World Bank expert review panel of the 2009 World Development Report on Climate Change: 2008-2009
- Director of the International Assessment of Agricultural Science and Technology for Development: 2003 - 2008

- Co-chair of the Board of Directors of the International Millennium Ecosystem Assessment: 2000 - 2005
- Co-chair: International WMO/UNEP Scientific Assessments of the Current Knowledge of the Processes Controlling the Abundance and Distribution of Atmospheric Ozone, 2002, 2002, 1998, 1994, 1991, 1989, 1988, and 1985
- Chairman, UNEP/WMO Intergovernmental Panel on Climate Change September 1997- April 2002
- Member of the International Council of Scientific Unions Advisory Committee on the Environment: 1998 – 2003
- Chair of the International Steering Committee for the UNEP project: Assessment of Impacts and Adaptation to Climate Change: 2001 - 2003
- Member of the IPCC Bureau: 1993 to April 2002
- Convening lead author of IPCC Technical paper on Climate Change and Biodiversity: April 2001- April 2002
- Chair of an International Panel on the Scientific and Policy Inter-linkages Among Global Environmental Issues – 1996 to 1998
- Co-chair: Intergovernmental Panel on Climate Change (IPCC) Working Group II (Impacts, Adaptation, and Mitigation) - 1993 – September 1997
- Chair: UNEP/WMO Synthesis Panel for international Ozone Assessment (Science, Impacts, Technology, and Economics), 1989, 1991, 1994
- Chair: UNEP Global Biodiversity Assessment - 1993 to 1995
- Chair of the Science and Technical Advisory Panel to the Global Environmental Facility (World Bank, United Nations Development Program, and United Nations Environment Programme) 1991- November 1993
- Chair: UNEP/WMO Synthesis Panel for Methyl Bromide (Science, Technology, and Economics) - 1992
- Chaired Chapter on Greenhouse Gases for the IPCC Scientific Assessment for Working Group I (1990 and 1992). Member of Steering Group for IPCC WG #1, 1990 and 1992.
- U.S. Representative on the Intergovernmental Panel on Climate Change (IPCC) Science Working Group
- Consultant (unpaid) to the Manufacturing Chemists Association/Chemical Manufacturers Association (currently named the American Chemistry Council) on stratospheric ozone depletion: 1976 - 1990
- Technical Advisor for the U.S. Government for both bilateral and multilateral negotiations of the Vienna Ozone Convention and the Montreal (CFC) Protocol
- Technical Advisor for the U.S. Government on Climate Change and member of the U.S. delegation to the International Negotiation Committee on Climate Change
- Co-chair: Committee on Earth and Environmental Sciences (CEES) Assessment Working Group
- Testified many times before U.S. Senate and U.S. House of Representatives Committees and Sub-Committees on Ozone, Global Warming, and other Global Change Research issues
- NASA Representative to Office of Science and Technology Policy, Committee on Earth and Environmental Sciences, Global Change Working Group

Education

- Ph.D., (Gas Phase Chemical Kinetics), 1973, Queen Mary College, London University, London, England
- B.Sc. 1st class (chemistry), 1969, Queen Mary College, London University, London, England

Honorary Academic Degrees

- 2010 – Fellow of Queen Mary College, London University, England
- 2009 - Honorary Doctor of Science, Cranfield University, England
- 2003 - Honorary Doctor of Science, University of East Anglia, England
- 2003 - Honorary Doctor of Science, UMIST, England

Honours and Decorations

- 2012 - Knights Bachelor – United Kingdom
- 2003 - Honorary “Companion of the Order of Saint Michael and Saint George” - United Kingdom

Fellowships

- 2011 – Fellow of the Royal Society, UK

Awards (non-US Government)

- 2015 – British Ecological Society Ecological Engagement Award
- 2014 – UN Champion of the World for Science and Innovation
- 2012 – UK Royal Society for the Protection of Birds Medal
- 2010 - Asahi Glass Blue Planet Prize
- 2008 – American Association for the Advancement of Science Award for International Scientific Cooperation
- 2007 - Nobel Peace Prize for the IPCC, which I chaired from 1997-2002
- 2006 - Zayed science award for the Millennium Ecosystem Assessment, for which I was the board co-chair: Given to the authors of the Millennium Assessment for Scientific and Technological Achievements in Environment
- 2005 - Recognized by the Rolling Stone magazine as one of 25 movers and shakers for the environment
- 2005 – United Nations Environment Programme / World Meteorological Organization Vienna Convention Award
- 2003 – Global Green Award for International Environmental Leadership – US chapter of the Green Cross International formed by Mikhail Gorbachev
- 1995 - UNEP Award for Protection of the Ozone Layer
- 1993 - Climate Institute Scientific Achievement Award for Coordinating Scientific assessments
- 1993 - American Association for the Advancement of Science Award for Scientific Freedom and Responsibility
- 1993 - American Meteorological Society Special Award "for notable efforts in organizing and conducting international assessments in ozone depletion and global change"
- 1992 – U.S. National Academy of Sciences Award for Scientific Reviewing
- 1991 - American Geophysical Union's Edward A. Flinn, III Award established to recognize individuals who personify the American Geophysical Union's motto of unselfish cooperation in research through their facilitating coordination and implementing activities (first recipient)
- 1989 - Designated member of UNEP's "The Global 500: The Roll of Honor for Environmental Achievement"

Awards - US Government

- 2000 - U.S. Environmental Protection Agency Climate Protection Award
- 1994 - U.S. Environmental Protection Agency Award for scientific understanding of the ozone layer
- 1993 – NASA Group Achievement Award (Earth Observing System)
- 1992 - NASA Cooperative External Achievement Award (High Speed Research Program)
- 1989 - NASA Distinguished Service Medal
- 1989 - NASA Public Service Group Achievement Award (Antarctic Aircraft Ozone Expedition)
- 1989 - NASA Group Achievement Award (International Ozone Trends Panel)
- 1987 - NASA OSSA - Edelson Award
- 1986 - NASA Public Service Group Achievement Award (International Ozone Assessment)
- 1983 - NASA Exceptional Service Medal

Academic Awards

- London Educational Award for three years to attend London University, England, for undergraduate studies - 1966-1969
- Science Council Award for three and one half years for Ph.D. studies at London University, England - 1969-1973
- Draper's Company Prize for Chemistry for being top graduating student of the year – 1969

Publications;

40 Refereed Journal Publications, 60 Refereed National and International Scientific Assessments and Reviews, 4 key World Bank Publications, and 3 Book Chapters
