



## CURRICULUM VITAE

### Matthias JONAS

#### Synopsis

More than twenty years of international scientific research and experience in environmental science, and in the development of systems analytical models and tools to address issues of global, universal and regional change, including surprises, and their potential implications for decision and policy-makers. Most of this time with the International Institute for Applied Systems Analysis (IIASA), a non-governmental research organization located in Austria, known for its scientific studies on critical issues of global environmental, economic, technological, and social change and for applying advanced systems analysis to conduct policy-oriented research into pressing areas of global change.



#### Personal

Name: Matthias JONAS, Dr. rer. nat.  
Citizenship: German

#### Education

1988 Ph.D. (*Dr. rer. nat.*; thesis: *summa cum laude*; overall: *magna cum laude*), Geophysics, Technical University of Clausthal, Germany  
1984 Diploma (*dipl. geophys.*; *summa cum laude*), Geophysics, Technical University of Clausthal, Germany

#### Postdoctoral & Academics

2013– Senior Research Scholar and Principal Investigator  
Advanced Systems Analysis (ASA) Program, International Institute for Applied Systems Analysis, Austria  
2004–2013 Senior Research Scholar and Project Leader  
Ecosystem Services & Management (ESM) and Exploratory & Special Projects (ESP) Program, International Institute for Applied Systems Analysis, Austria  
2006, 2010 YSSP Scientific Coordinator  
Young Scientists Summer Program (YSSP), International Institute for Applied Systems Analysis, Austria  
2005 Visiting Scientist  
Le Laboratoire des Sciences du Climat et l'Environnement, France  
1998–2004 Research Scholar and Principal Investigator  
Forestry (FOR) Project, International Institute for Applied Systems Analysis, Austria

1995–1997	Principal Investigator Environmental Planning Dept., Division of Systems Research, Austrian Research Centers Seibersdorf (now Austrian Institute of Technology), Austria
1992–1994	Deputy Project Leader and Research Scholar Forestry and Climate Change Project, International Institute for Applied Systems Analysis, Austria
1989–1992	Research Scholar Climate Change Study, Global Environmental Security Project, International Institute for Applied Systems Analysis, Austria
1984–1989	Teaching Assistant and Research Associate Institute of Geophysics, Technical University of Clausthal, Germany
1985	Research Assistant Geoscience Dept., Continental Shelf and Petroleum Technology Research Institute (now SINTEF Petroleum Research), Norway
1979–1984	Teaching Assistant and Research Associate Institute of Geophysics, Technical University of Clausthal, Germany

### Supervising & Lecturing

1984–today	Supervising and lecturing graduate to postdoctoral students, including young researchers (PhD students) participating in IIASA's Young Scientists Summer Program.
2006, 2010	Scientific Coordinator of 50+ young researchers (PhD students) participating in IIASA's Young Scientists Summer Program.
2004	Postdoc Mentor for the Advanced Institute on Assessing Vulnerability to Global Change and Environmental Risks, START (global change SysTem for Analysis, Research, and Training).

### Co-/Organizer of Seminal Workshops (resulting in book and special journal publications)

2015	4 <sup>th</sup> International Workshop on Uncertainty in Greenhouse Gas Inventories, Poland
2012	Land Use / Land-Use Change Vision Workshop, Brazil
2010	3 <sup>rd</sup> International Workshop on Uncertainty in Greenhouse Gas Inventories, Ukraine
2007	2 <sup>nd</sup> International Workshop on Uncertainty in Greenhouse Gas Inventories, Austria
2004	1 <sup>st</sup> International Workshop on Uncertainty in Greenhouse Gas Inventories, Poland
2002	Workshop on Greenhouse Gas Accounting: Uncertainty – Risk – Verification, Austria

### Selected Activities:

SI Co-Ed / Ed	<i>CLIM CHANGE – MITIG. ADAPT. STRAT. GLOB. CHANGE – WATER AIR SOIL POLLUT</i>
Ed Board req	<i>J LOW CARBON ECON – Int J BIODIVERS ENDANGER SPECIES</i>
Review req	<i>APPL ENERG</i> – Austrian Academy of Sciences – Austrian Exchange Service – Austrian Federal Ministry for the Environment, Youth and Family Affairs – <i>BIOMASS BIOENERG – CARBON MANAGE – CLIM CHANGE – CLIM POLICY – ECOL ECON – ENERGIES – ENVION RES LETT – ENVIRON SCI POLICY – FORESTS – GLOB CHANGE BIOL – GLOB ECON J – INTEGRAT ASS</i> – Intergovernmental Panel on Climate Change – <i>INT J ENVIRON PROTECT – INT J ENVIRON PROTECT – J CLEANER PROD – J ENERG ENG – J ENG – J GEOL GEOSCI – LECT NOTES ECON MATH</i> – National Research, Development and Innovation Office Hungary – National Research Foundation South Africa – <i>NATURE CLIM CHANGE – REG ENVIRON CHANGE – SCIENCES GÉOLOGIQUES – SCI PAGES ENVIRON STUD – SUSTDE</i> – Springer – <i>TECHNOL FORECAST SOC – TRANSP POROUS MEDIA</i> – United Nations Environment Programme – <i>WATER AIR SOIL POLLUT</i> – World Wildlife Fund
Co-Inr	<i>AustroClim</i> , climate initiative of Austrian scientists, 2002–2013
Advsr	Environment Agency Austria, 2003–2005, 2015
Consult	Federal Ministry for the Environment, Youth and Family Affairs, Austria, 1994, 1997 Austrian Research Centers Seibersdorf (now Austrian Institute of Technology), Austria, 1995