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Advanced Systems Analysis Program *Updated: 01 February 2019*

MATTHIAS JONAS

Senior Research Scholar

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.

CV	Publications	Other
Presentations etc.	Academic Supervision	Media

Selected links:

Recent books:	- Uncertainties in Greenhouse Gas Inventories (2015) - Greenhouse Gas Inventories (2011) - Accounting for Climate Change (2007)
IIASA policy brief:	- Uncertainty in Greenhouse Gas Inventories (2007)
Workshops:	- International Workshop series on Uncertainty in GHG Emission Inventories (2015, 2010, 2007, 2004) - Land Use / Land-Use Change Vision Workshop (2012) (access upon registration)
Scholastic:	Scientific Coordinator of IIASA's Young Scientists Summer Program (2010, 2006)
Lost in uncertainty:	Former web sites describing various strands of research related to the uncertainty in GHG emissions
Considered seminal:	- Beginnings to reconcile diagnostic and prognostic uncertainty of climate indicators (2014) - One of the first country assessments of biomass and emissions embodied in trade (2010) - 1st full carbon accounting for a country (2000) - 1st mathematical-physically consistent derivation of the empirical Archie I equation, an unresolved issue in soil science since 1942 (2000) - Employing an approach considered as one of the precursors of today's pattern scaling techniques (1996)