



## ALBERT NELSON MARQUIS LIFETIME ACHIEVEMENT AWARD 2017-2018 RECIPIENT

Marquis Who's Who is proud to honor its most distinguished listees based on their career longevity, philanthropic endeavors and lasting contributions to society. Out of 1.5 million biographees, only a small percentage are selected for the Albert Nelson Marquis Lifetime Achievement Award. Among that prestigious group, a handful are chosen to represent Marquis in The Wall Street Journal. It is our great pleasure to present one of them here. Congratulations to Dr. Graciela Chichilnisky!

Photo Credit: Michael Timmons



**Dr. Graciela Chichilnisky**  
*CEO, Scientist, Economist, Educator*  
*Global Thermostat, Columbia University*

**R**enowned for her breakthrough work in environmental science, economics, and mathematics, Dr. Graciela Chichilnisky's notable achievements include designing, negotiating, and writing the Carbon Market of the United Nation's Kyoto Protocol (Carbon Credit Emissions Trading Market, EU ETS), which became international law in 2005, and acting as a lead U.S. author on the Intergovernmental Panel on Climate Change that won the Nobel Prize in 2007. Having created the concept of Basic Needs in The Bariloche model in the 1970s, Basic Needs became the basis of Sustainable Development and was voted in by 150 nations at the U.N. Earth Summit in 1992. Dr. Chichilnisky also created the formal theory of Sustainable Development in 1993. Sustainable Development was selected to be the main concept of International Development in its creation by the G20 in 2009.

In 2010, Dr. Chichilnisky co-founded Global Thermostat, LLC ([www.GlobalThermostat.com](http://www.GlobalThermostat.com)), for which she currently serves as Chief Executive Officer. She co-invented the company's breakthrough technology that removes CO<sub>2</sub> from air and sells it, thus creating jobs and profits: economic development that cleans the atmosphere. CO<sub>2</sub> is used for materials production, such as biodegradable plastics and carbon fibers, for beverages and food, bio-fertilizers, and enhanced oil recovery. In 2014, together with Ted Turner, Dr. Chichilnisky received the Global Technology Leadership Award from the Americas Renewable Energy Institute. She wrote a proposal that became a bi-partisan federal law in 2018, the FUTURE Act (45G), which provides unbounded tax credit for U.S. companies that remove CO<sub>2</sub> from air at a rate of \$35.00-\$50.00 tax credit per ton of CO<sub>2</sub>. Global Thermostat is the

only company that qualifies for this tax credit.

In addition to managing Global Thermostat, Dr. Chichilnisky is a visiting professor at Stanford University and a professor at Columbia University, where she served as a university senator, and Director of the Columbia Center for Risk Management and the Program on Information and Resources.

Over the span of her teaching career, Dr. Chichilnisky was a UNESCO Chair professor and has guest lectured all over the world at institutions including, but not limited to, the University of Nankai, Beijing Normal University, and the International Institute of Applied Systems Analysis in Austria. Additionally, she served as Professor Missionaire at the University des Antilles et de la Guyane, and was a chaired professor at the University of Essex, United Kingdom, Monash University, Australia, and the University of Sienna in Italy.

Dr. Chichilnisky has authored 15 books and over 330 scientific research papers ([www.Chichilnisky.com](http://www.Chichilnisky.com)), in particular on globalization and the global environment. One of her notable books, "Saving Kyoto," was published in 2009. The book was named "Outstanding Academic Title of the Year" by the American Library Association, and received the "Book of the Month Award" from the American Geographical Society.

Prior to founding Global Thermostat, Dr. Chichilnisky served as Director of Research at the U.N. Institute of Training and Research, as a member of the Presidential Cabinet of Banco Central Republica Argentina, a Trustee of the Natural Resources Defense Council in New York, and as a special consultant at the International Monetary Fund and at The World Bank.

Dr. Chichilnisky was a recipient of the International Relations Award from the Rockefeller Foundation, and a grantee of the U.S. Air Force Office of Scientific Research and the U.S. National Science Foundation. She received the Speaking Out Prize from the National Women Studies Association.

In 2017, Dr. Chichilnisky was honored with the Carnegie Foundation's prestigious Great Immigrants, Great Americans Award. Most recently in 2018, she became a member of the Board of Transition Monaco Forum under the High Patronage of H.S.H. Prince Albert II of Monaco, a global platform committed to accelerating the transition toward a clean future across all sectors and industries. She also authored the 2018 book, "The Handbook of the Economics of Climate Change." Her next title, "Reversing Climate Change," is in final production. On August 22, 2018, she will deliver the international keynote address at the 18th Energy in Western Australia Conference in Perth, Australia.

Dr. Chichilnisky was a fellow of the Ford Foundation. She earned two PhDs: one in economics and another in mathematics from the University of California, Berkeley, and completed graduate coursework at the Massachusetts Institute of Technology. She was also a postdoctoral fellow and a lecturer at Harvard University.

2017-2018

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