

Evaluating Megatons to Megawatts: Managing Cooperation

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Andrea Bartoli is a Senior Research Scholar at the Columbia University's Advanced Consortium on Cooperation, Conflict and Complexity (AC4), the lead of the Cooperative Nuclear Disarmament and Sustainability Initiative - CNDISI, the President of the Sant'Egidio Foundation for Peace and Dialogue, an Executive Advisor of the Soka Institute for Global Solutions - SIGS, and a member of the Steering Group of the Global Action Against Mass Atrocity Crimes (GAAMAC). He was previously the Dean of the School for Conflict Analysis and Resolution at George Mason University and of the School of Diplomacy and International Relations at Seton Hall University. He has been a member of the Community of Sant'Egidio since 1970.

Jeffrey L. Hughes worked at the National Security Council at the White House under President Reagan from 1986-1989 and President Obama from 2009-2011. He was a Member of the Policy Planning Staff at the State Department under Secretary Baker from 1989 to 1993. At the US Department of Energy, he served as an advisor in the Office of the Secretary under five Secretaries between 1993 and 2017. He also worked for Sandia National Laboratories. One focus of Hughes' work dealt with securing nuclear weapons materials, including the U.S.-Russia HEU Purchase Agreement. He finished his career in government as Senior Advisor for national security to Secretary of Energy Ernest Moniz and was co-chair of the Secretary's Task Force to successfully implement the Iran Nuclear Agreement from 2015-2017. Hughes later consulted for the Nuclear Threat Initiative in Washington, DC. He has a bachelor's degree from Cornell University and a master's degree from Stanford University.

Gerald Grandey was the President and CEO of Cameco Corporation, one of the world's largest uranium producers and was instrumental in the success of the HEU Deal. Connected with Tom Neff prior to the formulation of the process, he identified and suggested ways to overcome impediments to M2M. He joined Cameco in 1993 as Senior Vice President, was appointed President in 2000 and CEO in 2003. In 2010, The Harvard Business Review recognized him as one of the top 100 CEOs in the world because of the value created for shareholders during his tenure. Mr. Grandey retired from Cameco in 2011.

Sean Quinn was appointed senior vice-president, chief legal officer and corporate secretary of Cameco on April 1, 2014. He joined Cameco's legal department in 1993, becoming vice-president, law and general counsel in 2004. Sean has been actively involved in Cameco's major international business deals, including the acquisition of uranium operations in the US, the formation of JV Inkai in Kazakhstan, the HEU agreement with Tenex throughout the life of the agreement (1999-2013), the spinoff and eventual divestiture of Cameco's gold business to Centerra Gold Inc., plus the acquisition of Kintyre and Yeelirrie uranium deposits in Australia. He served on the board of Bruce Power from 2007 to 2014, representing Cameco's investment. Prior to joining Cameco, Sean was employed with the Saskatoon law firm McKercher LLP for six years. He received a BA (history) and law degree from the University of Saskatchewan in 1984 and is a member of the Law Society of Saskatchewan. Sean has also served on the board of directors of United Way of Saskatoon and Area. **(unavailable)**

Fletcher Newton is a seasoned Nuclear Fuel Consultant with over 30 years of expertise in uranium production, conversion, enrichment, and fabrication, as well as international trade involving nuclear fuel. He specializes in providing strategic consulting services and focused marketing information related to tailored solutions for the global nuclear fuel market. Having held leadership roles at Cameco, Uranium One, and at Tenex-USA, Fletcher has been instrumental in shaping the US nuclear fuel industry, including his contributions to landmark agreements such as the HEU Agreement between Russia and the US, management and oversight of the Russian Suspension Agreement, and maintaining the on-going supply of Russian nuclear fuel to US utilities. As the president and owner of New World Energy, Fletcher offers expert guidance to investors, utilities, and organizations within the uranium and nuclear fuel sectors, helping them navigate this complex and vital industry.

Alex Flint is the executive director of the Alliance for Market Solutions (AMS), an organization of conservative leaders addressing two of America's most pressing challenges: the need to reduce carbon pollution and grow the economy. Recognized as one of Washington's top lobbyists, he led the Nuclear Energy Institute's advocacy program as the senior vice president of governmental affairs for a decade before joining AMS in May 2017. Mr. Flint previously served as staff director of the U.S. Senate Committee on Energy and Natural Resources, during which he led the creation of the bipartisan Energy Policy Act of 2005—the first significant energy legislation in 13 years—and approximately 100 public land- and water-related laws. He received a bachelor's degree in international politics from George Washington University and lives in McLean, Va., with his wife and four children.

Joshua Fisher is the AC4's Director and the Principal Investigator for its Environment, Peace, and Sustainability Program. Dr. Fisher employs natural and social science methodologies to understand the nexus of environmental sustainability, natural resource governance, and social stability, working in Latin America, sub-Saharan Africa, Asia Pacific, and the United States. Dr. Fisher completed his postdoctoral work at The Earth Institute, where he focused on biodiversity conservation and sustainable development. He worked in the private sector as a Senior Scientist on USG contracts and with several conservation NGOs. He formerly served as a land-use planner for the US Bureau of Land Management. He holds advanced degrees in Conflict Analysis and Resolution from George Mason University and Political Science from Utah State University.

Tom Cochran Dr. Thomas B. Cochran was a senior scientist and director of the Nuclear Program at the Natural Resources Defense Council (NRDC). He and Academician Evgeny P. Velikhov led two US-USSR nuclear weapons verification projects: the Nuclear Test Ban Verification Project, to demonstrate the feasibility of utilizing seismic monitoring to verify a low-threshold test ban, and the Black Sea Experiment, to examine the utility of passive radiation detectors for verifying limits on sea-launched cruise missiles. Dr. Cochran received his Ph.D. in Physics from Vanderbilt University in 1967. He received the American Physical Society Szilard Award and the Federation of American Scientists Public Service Award. He is a Fellow of the American Physical Society and the AAAS.

Beth Harris was Thomas L. Neff's wife and partner for nearly 30 years. Beth worked alongside Tom as he successfully shepherded the "Megatons to Megawatts" deal for two decades. She worked with Tom to write "Nuclear Swords into Ploughshares" – a manuscript documenting Tom's experiences throughout the evolution of the deal from its inception to completion, and all the problem-solving along the way. She is currently editing the manuscript for publication. She worked with Tom in his consulting practice, advising numerous companies on new projects, acquisitions and divestitures, arbitration and litigation strategy, and investment decisions. She holds an MBA from the University of Texas and is a CFA Charterholder.

Catherine Harris is the daughter of Thomas L. Neff – the originator of the "Megatons to Megawatts" deal. She is a litigation associate at O'Melveny & Myers LLP. Previously, she served as a judicial law clerk to Justice Goodwin H. Liu at the Supreme Court of California and to Judge Fernando M. Olguin of the U.S. District Court for the Central District of California. She is a graduate of Berkeley Law and holds an undergraduate degree in Physics from Stanford University.

Frank von Hippel, a nuclear physicist, is a Senior Research Physicist and Professor of Public and International Affairs emeritus at Princeton University, where he co-founded Princeton's Program on Science and Global Security, the journal Science & Global Security, and the non-governmental International Panel on Fissile Materials. His research focuses on nuclear arms control, nonproliferation, nuclear power, and energy issues. He has served as chairman of the Federation of American Scientists and Assistant Director for National Security in the White House Office of Science and Technology Policy. He has contributed to advancing the proposed Fissile Material Cutoff Treaty, the Global Threat Reduction Initiative and the U.S. decision in 1977 to abandon reprocessing. He has received numerous awards and honors, including the American Physical Society's Leo Szilard Award and the George F. Kennan Distinguished Peace Leadership Award. He is currently working on the technical basis for ending the production of highly enriched uranium, the separation of plutonium, and national enrichment of uranium, as well as nuclear arms control and limitations on ballistic missile defense.

Ivana Nikolić Hughes is President of the Nuclear Age Peace Foundation and a Senior Lecturer in the Discipline of Chemistry at Columbia University. She holds a BS with Honors from Caltech. Dr. Hughes obtained her PhD from Stanford University, where she was an American Heart Association Predoctoral Fellow. She has been a faculty member at Columbia University since 2008 and was awarded the Lenfest Distinguished Columbia Faculty Award for 2020. Her work on ascertaining the radiological conditions in the Marshall Islands has been covered widely. Dr. Hughes currently serves as a member of the Scientific Advisory Group to the Treaty on the Prohibition of Nuclear Weapons. Her writing has appeared in The Nation, Bulletin of the Atomic Scientists, The Hill, Scientific American, and elsewhere.

Azin Aliabadi is the Principal of AA Advisory LLC. She has been associated with the Cooperative Nuclear Disarmament and Sustainability Initiative - CND SI since its inception, when she was the Associate Director of AC4. She has 15 years of professional work experience in the public and private sectors. Previously, she worked as a Consultant at UNDP and as an Associate at Morgan Stanley in New York. Azin graduated Magna Cum Laude with Distinction from Boston University, received her Master's degree in Economic Policy from Columbia University, with a STEM designation in Econometrics & Quantitative Economics. She holds an MBA from Cambridge University.

Borislava Manojlovic is a Senior Research Fellow and Professor at the Carter School for Peace and Conflict Resolution at George Mason University. With more than two decades of experience as a researcher, educator, and peacebuilding practitioner, she specializes in conflict

resolution, international relations, negotiation, transitional justice, and peace education. Dr. Manojlovic has developed and led peacebuilding programs and training initiatives in South Korea, Brazil, Spain, Croatia, Serbia, and Bosnia and Herzegovina. Her experience of living through the wars in the Balkans during the 1990s profoundly shaped her dedication to understanding the roots of violent conflict and fostering sustainable peace. Before entering academia, she worked with the United Nations and the Organization for Security and Cooperation in Europe (OSCE) on minority rights and reconciliation initiatives in Croatia and Kosovo.

Her interest in education as a vehicle for peacebuilding inspired her 2018 book, *Education for Sustainable Peace and Conflict-Resilient Communities*. She is the recipient of the 2023–2024 Fulbright U.S. Scholar Award, through which she conducted research and advised on integrating conflict resolution practices into higher education in Serbia. Her recent scholarship explores the intersection of environmentalism and social activism, including a journal publication on Extractivism, Environmental Justice, and Conflict in Serbia and the DRC. Dr. Manojlovic holds a master's degree from Brandeis University and a Ph.D. from the Jimmy and Rosalynn Carter School for Peace and Conflict Resolution at George Mason University.

Kentaro Shintaku is a consultant at Columbia University Climate School's Cooperative Nuclear Disarmament and Sustainability Initiative (CNDSI) and the Sant'Egidio Foundation for Peace and Dialogue (SFPD). He has been engaged in various projects, including the Megatons to Megawatts (M2M) Evaluation. He holds a B.A. from Soka University of America, an M.A. in Education Policy and Analysis from Harvard University, and is pursuing a Ph.D. at Teachers College, Columbia University.

Nikolas Katsimpras has been a lecturer at Columbia University's Negotiation and Conflict Resolution program since 2014. He is an independent conflict analysis/ strategy consultant focusing on the Eastern Mediterranean, MENA, and the Arabian Gulf. Katsimpras is a former Senior Fellow at the Hellenic American Leadership Council and taught at the Dispute Resolution program at CUNY, John Jay College of Criminal Justice. He is a former Atlantic Council Millennium Fellow. A veteran officer of the Hellenic Navy, with extensive international experience, Katsimpras has also been awarded by the International Institute for Humanitarian Law and received the Dynamical Systems Fellowship to conduct research on the peace negotiations in Burma.

Tetsushi Ogata is the Managing Director of the Soka Institute for Global Solutions - SIGS, where he leads the Nuclear Abolition Project and the Sustainability Project. He is also the

Visiting Assistant Professor of Peace and Conflict Studies at Soka University of America. He was Lecturer in Peace and Conflict Studies, University of California, Berkeley; instructor, School for Conflict Analysis and Resolution, George Mason University; and Director, Genocide Prevention Program, George Mason University. His research interests and publications are in the areas of atrocity prevention, peace studies, conflict resolution, dealing with past memories and narratives. He holds a BA in Liberal Arts with an International Studies Concentration, SUA; MS in Conflict Analysis and Resolution, George Mason University; and a PhD in Conflict Analysis and Resolution, George Mason University.

Monica Soria is completing her M.Sc. in Climate Finance at Columbia University, where she is a Stanley Park Fellow and incoming Clean Energy Leadership Institute Fellow. She brings nearly a decade of experience across sovereign finance (debt-for-nature swaps) and investment banking, having structured and closed large-scale transactions across emerging markets. She is now focused on critical minerals circularity and energy finance, driven by the conviction that clean energy is one of the most powerful levers for climate action and human development.

Marissa Quintanilla is currently pursuing a Master's degree in Climate and Society at the Columbia Climate School, following her undergraduate studies at the University of California, Berkeley, where she earned degrees in Economics and Global Studies. She has experience across climate finance, energy, and sustainability through roles at Morgan Stanley and Colgate-Palmolive, where she has worked on decarbonization strategy, energy efficiency initiatives, and corporate net-zero planning. Her interests focus on the intersection of climate finance, industrial decarbonization, and energy transition, particularly in emerging markets and Latin America.

Tom Selinski, after five years in the nuclear construction industry, attended the Harvard Trade Union program, then transitioned into documentary filmmaking and his Emmy-winning project, "We Look In All Directions," a five-hour series. Following his Emmy-winning work, Tom created The Nuclear Iceberg and Is America Safer?, which were broadcast on cable TV and later presented at a United Nations workshop. Now, Tom enthusiastically recounts the fascinating origins of the program started by Tom Neff at MIT.

Luna Ramirez Castellanos is a student at Princeton University from Bogotá, Colombia, pursuing an A.B. in Economics. Her academic interests focus on armed conflict, peacebuilding, and international development. Luna has worked alongside the UN Foundation's Girl Up initiative as a Girl Up Global Teen Advisor, advising on youth engagement and gender equality advancement. At Princeton, she is a student Fellow at the

Center for International Security Studies, and a member of the Immigration Legal Cohort (ILC) under Princeton's Human Rights Initiative, where she works with legal service organisations providing low-cost and pro bono immigration assistance in the Newark area.

Tsutomu Ishiai has been a senior staff writer at The Asahi Shimbun since 2022. He previously served in senior editorial roles including Middle East Editor and Cairo Bureau Chief, Foreign News Editor, London Bureau Chief, and Deputy Managing Editor in Tokyo and Osaka. A diplomatic correspondent since 1996, he has reported extensively on international affairs from Washington, D.C., Cairo, London, and Tokyo, with a focus on wars, conflicts, and nuclear issues. Early in his career, he covered nuclear testing in the Pacific, reporting from Tahiti, Fiji, New Zealand, and the United States. He has conducted exclusive interviews with global leaders, including former New Zealand Prime Minister David Lange and Tahitian leader Oscar Temaru. As Foreign News Editor, he secured a written interview with U.S. President Barack Obama ahead of his historic Hiroshima visit. He has also reported on the Nixon–Sato secret nuclear agreement based on archival research and interviews. Since 2022, he has moderated annual international symposia on achieving a world without nuclear weapons, co-hosted by The Asahi Shimbun and the cities of Hiroshima and Nagasaki.

Jenik Radon is Adjunct Professor at Columbia University's School of International and Public Affairs (SIPA), where he teaches sustainable natural resource development, governance, corporate responsibility, human rights, and anti-corruption. He is the founder and director of the Eesti and Eurasian Public Service Fellowship, which places students from Columbia and other leading universities with public institutions and civil society organizations in emerging nations around the world. An international lawyer and advisor, Radon has worked extensively on issues of state development, natural resource governance, foreign investment, and public-private negotiations. He served as an advisor during Estonia's independence process and helped draft key legislation governing foreign investment, privatization, and corporate development. He also advised the Republic of Georgia in the negotiation of major international oil and gas pipeline agreements and participated in Nepal's constitutional peace process, serving as a principal drafter of the country's 2006 Interim Constitution. Radon has taught and lectured in universities across Europe, Asia, Africa, and the Americas, including Stanford University, Makerere University, and the University of Tartu. He currently serves as Chair of the Board of Trustees of the American University in Bulgaria and has been active in numerous academic and civil society initiatives focused on governance, transparency, sustainable development, and human rights. He holds a B.A. from Columbia University, an M.C.P. from the University of California, Berkeley, and a J.D. from Stanford Law School.

Valentina Velásquez is a Colombian political scientist and Master's student in Negotiation and Conflict Resolution at Columbia University. She is committed to advancing research-driven, people-centered, and technology-enabled pathways to sustainable peace, working at the intersection of conflict resolution and artificial intelligence. With experience across Colombia, Brazil, the U.S., and the U.K., her work focuses on peacebuilding and humanitarian development, including forced displacement, gender-based violence, and transitional justice. She currently serves as a Research Analyst for Professor Nikolas Katsimpras and Professor Peter Dixon on projects harnessing OSINT and LLM tools for conflict analysis and peacebuilding.