Earth Observation Satellite Data-Sharing: Policies and Partnerships

Monday, July 15, 2013
Root Room
Carnegie Endowment for International Peace

Biographies

In Alphabetical Order

Mariel Borowitz is a research analyst at the Space Foundation. She recently completed her PhD at the University of Maryland School of Public Policy. Her research dealt with international cooperation in climate monitoring via satellite, focusing on the barriers to data-sharing. Dr. Borowitz earned her Master's degree in International Science and Technology Policy from the George Washington University, and her Bachelor of Science degree in Aerospace Engineering from the Massachusetts Institute of Technology, with a minor in Applied International Studies. In August, Dr. Borowitz will be joining the faculty at the Sam Nunn School of International Affairs at the Georgia Institute of Technology, where she will continue her research on space policy issues.

Tiffany Chow is Project Manager for Secure World Foundation, where she oversees and supports projects dealing with international security and legislative issue areas. She has been active in the international relations and international security fields for the past four years and brings to SWF a diverse range of experience. Prior to joining Secure World Foundation, Ms. Chow worked for the Center for American Politics and Public Policy at UCLA where she assisted the Director and Administrative Director with research projects and program logistics. Before that, she interned with the Monterey Institute for International Studies' Center for Nonproliferation Studies (CNS) in Washington, DC where she provided research support on a wide array of topics including export control issues in the United Arab Emirates, United Nations Security Council Resolution 1540, and the potential for microreactors to be used for the proliferation of chemical weapons. Ms. Chow received her Master of Arts degree in International Relations from Johns Hopkins University's School of Advanced International Studies (SAIS) in Washington, DC. She received her Bachelor of Arts degree from the University of California, Los Angeles (UCLA).

Molly Macauley is Vice President for Research and Senior Fellow with Resources for the Future (RFF). Her research emphasizes new technology and its application to natural and environmental resources, including the value of earth science information and its application to understanding ecological systems and human relationships with these systems and the value placed by the public on the nation's space activities. Dr. Macauley frequently testifies before Congress and serves on national level committees and panels including the National Research Council's Committee on Earth Science and Applications, the Board of Trustees for the University Corporation for Atmospheric Research, the Board of Advisors for the Thomas Jefferson Public Policy Program at the College of William and Mary, and the External Advisory Board of the National Socio-Environmental Synthesis Center; she is a member of NOAA's Climate Working Group, NASA's Earth Science Applications Advisory Group, and the DC Chapter of the International Women's Forum; and she chairs the Women in Aerospace Scholarship Committee. Dr. Macauley also served as a lead author for NASA on a synthesis and assessment report for the US Climate Change Science Program on use of Earth observations. She was selected as a "Rising Star" by the National Space Society, has been elected to membership in the International Academy of Astronautics, and has received awards for her work from NASA and the Federal Aviation Administration. She has published extensively with more than 80 journal articles, books, and chapters of books. She has also been an adjunct professor in the Department of Economics at Johns Hopkins University. Dr. Macauley earned her PhD and MA degrees in economics from Johns Hopkins University and her undergraduate degree in economics from The College of William and Mary.

Martha E. Maiden is Program Executive for NASA's Earth Science Data Systems. She represents her organization to managers and stakeholders, and articulates the vision and strategy for operations and evolution of NASA's Earth Science Data Systems. The primary aim of this Program is to make NASA's Earth Observation (EO) data and supporting materials easily available and as simple to use for researchers as possible. In addition, Ms. Maiden solicits proposals selected via peer review that improve the Earth Observation data products, creating consistent data records, unified and coherent sets of observations of given parameters of the Earth system, optimized to meet specific requirements in addressing science questions and with characterized uncertainties. Ms. Maiden is widely credited for nurturing the ESIP Federation in its infancy and has overseen its growth and maturity.

Timothy Stryker is the Chief of Policy, Plans, and Analysis for the USGS Land Remote Sensing Program. Concurrently, he also serves as the USGS Board Member for the International Charter on Space and Major Disasters, a group of remote sensing space agencies which supports disaster response and recovery efforts worldwide. Mr. Stryker's previous positions include Executive Officer of the international Committee on Earth Observation Satellites, Deputy Director of the NRO Office of Policy, and Chief of the Satellite Activities Branch in the International and Interagency Affairs Office of NOAA's Satellite and Information Services. At NOAA he also managed the agency's Commercial Remote Sensing Licensing Program. Mr. Stryker has also served in assignments at the U.S. Department of Commerce, the Office of Management and Budget, the Federal Communications Commission, and the U.S. Information Agency. A former Presidential Management Fellow, Mr. Stryker received his Master's Degree in Foreign Service from Georgetown University in 1990 and his Bachelor's Degree in History from the University of Michigan in 1987.