

Maria J. Doa, Ph.D.

Summary

- Extensive experience in the integration of science and public policy
- Effective communicator of complex interdisciplinary scientific issues at the national and international levels
- Focus on developing risk assessment and risk management practices that consider the impacts of chemicals holistically
- Expertise in modern risk-management practices
- Experience working with international organizations

Employment History

Environmental Defense Fund, Washington, DC

Senior Director, Chemical Policy

November 2021 – Present

I lead efforts to reduce exposures to toxic chemicals, primarily through health-protective implementation of the nation's primary chemical safety law – the Toxic Substances Control Act. My efforts focus on encouraging more robust, inclusive, and transparent decisions that consider the impacts chemicals can have throughout their lifecycle on communities, particularly those most at risk.

U.S. Environmental Protection Agency, Office of Research and Development, Washington, DC

Director, Science Policy Division

October 2019 – October 2021

I led the synthesis of the Office of Research and Development's scientific support for EPA regulatory activities and coordinated cross-EPA science and technology policy issues.

Accomplishments

- Led the coordination and synthesis of the Office of Research and Development's scientific contributions to the development of more than 40 significant EPA regulations and regulatory-related scientific assessments.
- Developed metrics and an information system to evaluate the impact of the Office of Research and Development's contributions to the development of EPA regulations.
- Improved the cross-EPA coordination of science and technology policy issues, such as peer review, risk assessment guidelines, and reproducibility of information.

Senior Science Advisor

April 2018 – October 2019

In this position, I led evaluations on the impact of EPA's Office of Research and Development's science on decision making at the national, regional, state, and local level.

U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics, Office of Chemical Safety and Pollution Prevention, Washington, DC

Director, Chemical Control Division

May 2011 – April 2018

In this position I developed and implemented incentive-based and regulatory risk management approaches to significantly reduce risks from industrial, commercial and consumer chemicals. Many actions involved complex scientific, technical and policy issues and were done under tight legislative deadlines.

Accomplishments

- Improved EPA's approach on established chemicals through leadership on the prioritization of more than 1,000 candidate chemicals for risk evaluation. The prioritization methodology I developed was subsequently included by Congress as a key component in the 2016 amendments to the Toxic Substances Control Act.
- Annually, completed pre-market regulatory evaluations for 1,000 chemicals.
- Successfully led the development of the first proposed regulations in 25 years to protect the public and workers from exposures to highly toxic chemicals.
- Improved the quality, timeliness and consistency of regulations on industrial, commercial and consumer chemicals by collaboratively leading cultural change, identifying critical solutions and empowering managers and staff resulting in the elimination of a backlog of 400 chemical cases within 2 years and timely completion of 100 chemical cases annually.

- Provided leadership at the international level representing the United States environmental policies to the Organization for Economic Cooperation and Development (OECD) Working Party on Manufactured Nanomaterials, chairing international expert meetings on nanomaterials, and leading bilateral negotiations on nanomaterials with Canada and the European Union.
- Increased access to, usability of, and transparency of scientific and regulatory information on more than 15,000 chemicals and nanomaterials through the development of ChemView, a modern Web-based information system available to industry, the public, and government.

Director, National Program Chemicals Division

July 2003 – May 2011

I led EPA's lead paint program, resulting in major progress toward eliminating lead poisoning in children; risk-reduction programs on polychlorinated biphenyls (PCB) and mercury; and the asbestos in schools program. This work required strong scientific and policy backgrounds and involved working with a wide range of international and domestic public, industry, and government stakeholders.

Accomplishments

- Created a strong community of collaboration to coordinate scientific and regulatory activities with partners across EPA, the Federal Government (including the Centers for Disease Control and Prevention, the Consumer Products Safety Commission, the National Institute of Standards and Technology (NIST), the Department of Housing and Urban Development), with states, the Environmental Council of States (ECOS), the Quicksilver Caucus, industry, and environmental, public health and community public interest groups.
- Chaired the United Nations Environment Program – World Health Organization Global Alliance to Eliminate Lead in Paints and the United Nations Environment Program Global Mercury Partnership Mercury-Containing Products Partnership Area.
- Reduced children's exposure to lead paint from residential renovations by leading the development and implementation of regulatory renovation standards, through innovative collaborative outreach strategies, including with the Ad Council, and by the creation of a new grant program supporting local efforts to reduce lead poisoning. These lead poisoning prevention efforts have resulted in more than \$1.5 billion in benefits.

U.S. Environmental Protection Agency, Office of Environmental Information

Director, Toxics Release Inventory Program Division

October 1999 - July 2003

I led the multi-media Toxics Release Inventory (TRI) Program - a key community right- to-know program about toxic chemicals.

Accomplishments

- Created a modern data management approach to TRI data including development of intelligent reporting tools, annual receipt and processing of 100,000 plus submissions, quality control, and working with community and environmental groups on the use of the data
- Expanded TRI by completing hazard determinations for and adding to TRI more than 300 chemicals and 5 industry sectors, significantly increasing publicly available information on toxic chemical releases and industry's environmental performance.
- Chaired the OECD Task Force on Pollutant Release and Transfer Registers and represented the Agency in other international fora, including the North American Commission for Environmental Cooperation, and the Inter-Organization Programme for the Sound Management of Chemicals.
- Represented EPA in the United Nations Economic Commission for Europe negotiations on the development of a Pollutant Release and Transfer Register protocol under the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters.

Education

University of Pittsburgh, Pittsburgh, Pennsylvania; Ph.D., Organic Chemistry

University of Michigan, Ann Arbor, Michigan; B.S., Chemistry