



**The Environmental Council of the States**

**STEP Meeting 2019**

***From the Flintstones to the Jetsons: How Technology is Transforming Environmental Protection***

**Wednesday, July 10**

**Marriott Marquis  
Washington, DC**

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State environmental agencies are modernizing at a rapid rate. Every new project, streamlined process, and upgrade to equipment is intricately connected to current and cutting-edge technologies. Environmental protection will benefit from using better data faster, and state agencies must find a way to fully integrate IT with their programs. Please join us for a discussion exploring current advancements being made at the state level, new technologies on the horizon, and best practices for integrating IT at the program level.

ECOS STEP is a uniquely interactive educational forum. Panel participants are discussion leaders, and the purpose of each session is to provide a forum for state officials, federal governmental agencies, business and industry, nonprofits, and others to offer their unique perspectives on addressing priority and/or emerging environmental issues.

***Please note that registration, continental breakfast, and lunch will be located in the foyer outside of Liberty Salon IJK on level M4 - four floors below the hotel lobby. All meeting sessions will be held in Liberty Salon IJK.***

<b>7:45 – 8:30 a.m.</b>	<b>Registration and Continental Breakfast</b>
<b>8:30 – 8:40 a.m.</b>	<p><b>Welcome and Introductory Remarks</b>          Becky Keogh, ECOS President and Director, Arkansas Department of Environmental Quality</p>
<b>8:40 – 9:45 a.m.</b>	<p><b>Opening Keynote:</b>          Introduction: Don Welsh, Executive Director, Environmental Council of the States</p> <p>Keynote Speaker:</p> <ul style="list-style-type: none"> <li>• Kimberly Nelson, Executive Director, State and Local Government Solutions, Microsoft</li> </ul>
<b>9:45 – 11:00 a.m.</b>	<p><b>Panel #1: Tech Solutions for State Government</b>          How are state environmental agencies reaping benefits from new technology and innovation? This panel will explore how states have embraced tech-based approaches to streamline and augment their work in the field and at the office.</p> <p>Moderator: Todd Parfitt, ECOS Past President and Director, Wyoming Department of Environmental Quality</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• Gregory Langley, Press Secretary, Louisiana Department of Environmental Quality</li> <li>• Serena McIlwain, Undersecretary, California Environmental Protection Agency</li> <li>• Adam Deppe, IMPACT Project Manager, Wyoming Department of Environmental Quality</li> <li>• Patrick McDonnell, ECOS Secretary-Treasurer and Secretary, Pennsylvania Department of Environmental Protection</li> </ul>
<b>11:00 a.m. – 11:30 a.m.</b>	<b>Networking Break</b>
<b>11:30 a.m. – 1:00 p.m.</b>	<p><b>Luncheon Address:</b>          Introduction: Serena McIlwain, Undersecretary, California Environmental Protection Agency</p> <p>Keynote Speaker:</p> <ul style="list-style-type: none"> <li>• Karin Tuxen-Bettman, Program Manager, Google</li> </ul>
<b>1:00 p.m. – 1:30 p.m.</b>	<b>Networking Break</b>
<b>1:30 – 2:45 p.m.</b>	<p><b>Panel #2: Big Data for Environmental Quality</b>          Environmental agencies manage large amounts of data. With strides in data collection technology, agencies have an opportunity to harness even more information to help improve their regulatory work. Big data requires a new frame of thinking to get the most out of its application. This panel will examine how government agencies are using big data to improve environmental protection.</p>

	<p>Moderator: David LaRoss, Associate Editor, Inside Washington Publishers</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• Kristen Benedict, Office of Air Quality Planning and Standards, Environmental Protection Agency</li> <li>• Stephen Harper, Global Director, Environment and Energy Policy, Intel Corporation</li> <li>• Vickie Patton, General Counsel, Environmental Defense Fund</li> <li>• Steve Wismuller, Senior Meteorologist, Global Lead for Government, Defense, Intelligence, Travel, and Transportation, IBM</li> </ul>
<p><b>2:45 – 3:45 p.m.</b></p>	<p><b>Panel #3: Cutting-Edge Solutions for Your Agency</b></p> <p>As agencies go about the regular business of environmental protection, they are turning to cutting-edge technologies and processes more and more each day. Join us as we discuss opportunities, challenges, and the guidance being developed for these exciting transitions.</p> <p>Moderator: Dylan Bruce, Managing Editor, Bloomberg Environment</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• Victoria Phillips, Director, Enterprise Information Office, Massachusetts Department of Environmental Protection</li> <li>• Kelly Crawford, Chief, Compliance and Enforcement Branch, Air Quality Division, District of Columbia Department of Energy &amp; Environment</li> <li>• Christine Wilson, Business Architect, Arizona Department of Environmental Quality</li> <li>• Mike Mahaffie, Director, Web and Digital Media, Delaware Department of Natural Resources and Environmental Control</li> </ul>
<p><b>3:45 – 4:15 p.m.</b></p>	<p><b>Networking Break</b></p>
<p><b>4:15 – 5:30 p.m.</b></p>	<p><b>Panel #4: Emerging Technologies for the Field</b></p> <p>Costs have fallen significantly for many new technologies such as drones, radar, sensors, monitors, and other remote testing methods while the number of companies offering these services has increased. Join us as we discuss a few of these emerging technologies, how state agencies can use them, where resources can be found today, and opportunities to contribute to these resources in the future.</p> <p>Moderator: Ben Grumbles, Chair, ECOS Air Committee and Secretary, Maryland Department of the Environment</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• Edward Winner, PhD, Team Leader, Interstate Technology and Regulatory Council Implementing Advanced Site Characterization Tools Team and Assistant Director, Division of Waste Management, Kentucky Department for Environmental Protection</li> <li>• Philip Block, PhD, Director, Water Treatment, PeroxyChem</li> <li>• Tim Braun, Senior VP &amp; Enterprise Architect, Xylem Digital Solutions</li> </ul>

	<ul style="list-style-type: none"><li>• David Armitage, CEO and Founder, Project Canary</li><li>• Shaun Heath, Intelligent Operations Manager, BP American Production Company, BPX Energy Inc.</li></ul>
<b>5:30 – 5:45 p.m.</b>	<b>Wrap-Up and Closing Remarks</b> <ul style="list-style-type: none"><li>• Becky Keogh, ECOS President and Director, Arkansas Department of Environmental Quality</li></ul>
<b>5:45 – 7:00 p.m.</b>	<b>Reception</b>