Marvourneen K. Dolor, Ph.D.

PROFESSIONAL SUMMARY

Environmental Scientist with over 10 years of research and policy experience. Areas of expertise include water resources management, climate change adaptation, science communication, maritime transportation, and ocean conservation. Focus area linking scientists and policy-makers by synthesizing large amounts of technical information to determine the most productive solutions to complex problems. Provide expert advice regarding regional, national, and international environmental issues.

EXPERIENCE

Environmental Policy Consultant   *MKDolor Consulting*   2009 – present

Client: *U.S. Department of Transportation, Saint Lawrence Seaway Development Corporation (SLSDC)*

- Policy analysis and advice:
  - Directly engaging policymakers, regulators, and their staffs at the international, national, regional, and state levels to influence the development of environmental policies.
  - Use expert analysis of legislation, regulations, and supporting scientific data to prepare briefing materials for the Secretary and Deputy Secretary of the Department of Transportation, and Senior Staff of the Saint Lawrence Seaway Development Corporation (SLSDC).
  - Develop policy positions and strategies for addressing environmental and transportation issues.
- Project Management:
  - Manage stakeholder engagement of over 100 individuals (from government, industry, and academia) working together to develop solutions to an environmental policy and maritime transportation issue.
  - Managing Editor for the group's reports, cited by EPA's Science Advisory Board.
  - Oversee and manage contract and grant development.
- Communications and Stakeholder engagement:
  - Author papers and present them at international conferences, symposia, and other meetings.
  - Represent the SLSDC at meetings with Congressional staff, Federal partners, environmental organizations, and other stakeholders as an environmental sciences and ocean policy expert.

Client: *Great Lakes Observing System*

- Strategy and planning including programmatic and operational evaluation and strategic business development to ensure user needs are met.
- Lead internal strategic planning efforts surrounding ocean observing policy activities.
- Design and implementation of member, partner, board member and stakeholder recruitment and engagement strategies to be utilized by staff and board members.
- Identify and develop constructive partnership opportunities and develop positive relationships with all key and prospective data providers, stakeholders, and policy-makers, among others.
- Develop and implement a Congressional outreach and awareness-raising campaign.

Senior Policy Associate   *Ending Illegal Fishing Project, The Pew Charitable Trusts*   2014 – 2016

- Policy Development and Implementation:
  - Provide research and tactical inputs to aid internal strategic planning efforts surrounding the development of a worldwide system to deter illegal fishing globally.
  - Coordinate engagement and outreach with U.S. and international governments, non-governmental groups, and international fisheries management organizations to promote policy initiatives.
- Project Management:
  - Manage multiple projects supporting securing ratification of an international ocean conservation treaty.
  - Event planning including recruitment, sponsorship, and logistics management for international conferences and workshops.
  - Oversee contract and grant development and execution.
- Communications and Stakeholder engagement:
  - Research, develop, and edit key organizational communications including action alerts, press communications, and website content.
  - Conduct outreach to key stakeholders and coordinate engagement with international organizations and in international fora, and represent Pew and the project at international meetings and events.

| **Program Coordinator, Outreach,** | *Great Lakes Observing System* | 2012 – 2014 |
| **Communications and Modeling** | | |

- Facilitate and coordinate the development and ongoing activities of the Lake Michigan Ecosystem Modeling and Forecasting Working Group in consultation with Lake Michigan managers, modelers and researchers.
- Implement GLOS communications activities including regular updates of website content, development of monthly newsletters and news releases, and event promotion.
- Represent GLOS at conferences and on local, state, and regional committees.
- Develop the first GLOS internship program; develop learning opportunities and supervise internship.

| **Adjunct Lecturer** | *Eastern Michigan University* | 2013 – 2014 |

- Develop and teach an undergraduate lecture course, Fundamentals of Chemistry, including daily in-class exercises and monthly exams.
- Teach undergraduate laboratory courses, Fundamentals of Chemistry and General Chemistry I.
- Supervise and mentor four graduate teaching assistants.

| **Graduate Research and Teaching Assistant** | *University of Maryland, Chemistry Department* | 2004 – 2009 |

- Investigate the behavior of rhenium in synthetic and natural systems using a variety of mass-spectrometers and data analysis tools.
- Interdisciplinary collaboration with geochemists (Geology Department), paleontologists (United States Geological Survey), and a microbial ecologist (Smithsonian Environmental Research Center).
- Finalist for the James M. Stewart Excellence in Teaching award.

| **Physical Sciences Technician** | *Smithsonian Environmental Research Center* | 2005 – 2006 |

- Work with two research groups: Trace Metal Biogeochemistry and Microbial Ecology.
- Improve two distinct sets of methods and procedures.
- Compile and archive standard operating procedures to assist with training new technicians.
- Advise a third research group on the analytical chemistry aspects of a U. S. Coast Guard ballast water project.

EDUCATION

| **Doctor of Philosophy in Analytical/Environmental Chemistry** | May 2009 |
| University of Maryland | College Park, MD |

| **Master of Science in Analytical/Environmental Chemistry** | May 2005 |
| University of Maryland | College Park, MD |

| **Bachelor of Science in Marine and Environmental Sciences** | May 2003 |
| United States Coast Guard Academy | New London, CT |

HONORS

2009 John A. Knauss National Sea Grant Marine Science Policy Fellow
2008 Smithsonian Institution Pre-doctoral Fellow

SELECTED ACTIVITES

Research: 6 peer-reviewed publications, 12 presented abstracts, 1 keynote presentation, 30+ national and international science, policy, and environmental sustainability conferences, meetings, and workshops.

Professional Development: multiple management, business, economics, policy, and software development courses.

Service: Remedial Math and English Volunteer Tutor (2010 – 2011); Women's Aquatic Network (officer, 2010 – 2012); EnvironMentors (mentor and judge 2011-2012); International Joint Commission, Water Quality Board (appointed member, 2014 to present).

Memberships: American Water Resources Association; Geological Society of Washington; Network for Emerging Leaders in Sustainability; Women Who Code DC.