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Oil in the Sea IV: Inputs, Fates, and Effects

Committee Meeting 8 Speaker Bios
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Casey Hubert is an Associate Professor in the Department of Biological Sciences, in the Faculty of Science and Campus Alberta Innovates Program (CAIP) Chair in Geomicrobiology at the University of Calgary. Dr. Hubert had previously worked as a research fellow at the Max Planck Institute for Marine Microbiology, Germany and as a Reader at Newcastle University, United Kingdom. He has secured over 20 grants and awards in recent years (ranging from \$50k to \$2m per project) for research pursued together with his colleagues in deep biosphere geomicrobiology.

Mindi Farber-DeAnda is the team lead for Petroleum and Natural Gas Modeling in the Long-Term Energy Modeling Office of the U.S. Energy Information Administration (EIA). Mindi has over 30 years of experience in supply/demand analysis of petroleum, natural gas, and biofuels; deployment of renewable energy, electricity storage, and emerging technologies; and assessment of infrastructure assurance and resiliency. Mindi holds an MS in Systems Engineering from George Washington University and a BS in economic development from Vassar College.

R. Dean Foreman is American Petroleum Institute's chief economist, specializing in global business and energy. Dean came to API in 2017 from Saudi Aramco Strategy and Market Analysis in Dhahran, where he managed short-term market monitoring and the long-term oil demand outlook. Foreman has more than 20 years of industry experience in corporate strategic planning, market analysis and forecasting, and finance and risk management at ExxonMobil Corp., Talisman Energy and Sasol North America. Dean holds a PhD in economics from the University of Florida.

Tim Nedwed is the Oil Spill Response Senior Technical Professional with ExxonMobil Upstream Research Company (URC). He has worked for ExxonMobil for 20 years and has led the URC oil spill response research program for the last 15 years. Dr. Nedwed's primary expertise is on oil spill response technologies with a focus on dispersants, in situ burning, remote detection of oil, and oil spill fate and effects. He led two major joint industry projects to develop and understand the use of dispersants in the Arctic and the use of dispersants subsea. The achievements of Dr. Nedwed were recognized by ExxonMobil's Upstream Research Company when he received the 2010 ICE award for outstanding innovation and creativity. In addition, Dr. Nedwed received the prestigious Edith and Peter O'Donnell Award for Technology Innovation given by the Academy of Medicine, Engineering, and Science of Texas in 2013.

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Jodi Harney is a Senior Scientist at CSA Ocean Sciences Inc. (CSA), based in Stuart, Florida. Her principal role at CSA is to develop, implement, and manage marine environmental projects involving offshore activities in oil, gas, and wind energy development. Her team at CSA specializes in planning for and responding to oil spills, including sampling and monitoring in deep water environments, and managing regional environmental data, particularly for coastal and marine resources. For three years following the Deepwater Horizon Oil Spill in the Gulf of Mexico, Dr. Harney participated in the design, implementation, and management of sampling programs for the Natural Resource Damage Assessment. In the years following Deepwater Horizon, Dr. Harney supported the development and implementation of shared industry equipment programs for monitoring in deep water, including programs for MWCC, HWCG, and OSRL.

Richard Camilli is an Associate Scientist in the Woods Hole Oceanographic Institution's Department of Applied Ocean Physics and Engineering Deep Submergence laboratory, and a Research Affiliate in the Massachusetts Institute of Technology's Computer Science and Artificial Intelligence Laboratory. His research interests are principally in the areas of instrumentation development and field robotics, with special emphasis on embedded intelligence and in-situ environmental sensing. Camilli has participated in over 50 major oceanographic expeditions and offshore oil assessment & incident response operations, serving as Chief Scientist/Chief of Operations on over a dozen. He has served as a member of the US Environmental Protection Agency's Science Advisory Board for Oil Spill Research, and chaired various NASA reviews for space probe and lander systems. Camilli received his PhD from MIT's School of Engineering in 2003 and is the recipient of a Society of Naval Architects and Marine Engineers award for his research on AUV design, a National Science Foundation Career Award, and is a Leopold Leadership Fellow.

Ellen Ramirez is a Supervisory Physical Scientist in the NOAA Satellite Analysis Branch, located in College Park, MD. She is responsible for the development and operations of satellite-based, value added interpretive analyses for a variety of hazards and disasters, including the advancements of the detection of marine oil. Ellen received a Bachelor of Science in Meteorology (2008) from the Florida Institute of Technology and a Masters of Atmospheric Science (2011) from the University of Utah. She is also the NOAA Executive Secretariat representative to the International Charter Space and Major Disasters.

Jacqueline Michel is one the original founders of Research Planning, Inc. (RPI) and has been President since 2000. Dr. Michel was part of the original team of RPI scientists who pioneered much of the early research on the impacts of spills and response actions on coastal and terrestrial ecosystems. This work, mostly sponsored by NOAA, has involved multidisciplinary studies of oil and chemical spill and response impacts and the development of strategies to mitigate these impacts during the response. She is one of the leading scientists in oil spill response, having been part of the NOAA Emergency Response Division team since 1978, providing scientific support to the USCG for 50-100 spills per year. She is the author of 100s of technical reports and peer-reviewed

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publications on impacts of oil spills and selection of appropriate response options, including mechanical, manual, chemical, and in situ burning tactics. She has quantified injury to natural resources for Trustee agencies on 33 Natural Resource Damage Assessments (NRDA) since 1985. She often manages the Shoreline Cleanup Assessment Technique (SCAT) program during a response. Other oil spill and response specialties include in-situ burning, submerged/sunken oil, chemical countermeasures, and seafood safety.

Adam Davis is presently serving as a Scientific Support Coordinator (SSC), representing the National Oceanic and Atmospheric Administration (NOAA) Office of Response and Restoration (O R & R), along the Gulf Coast. In this capacity, Adam has responded to numerous significant oil and hazardous material incidents as well as natural disasters. These include deployments for 6 major hurricanes responses, well blow outs, major marine casualties, and train derailments throughout his region and in support of NOAA's Emergency Response Division throughout the nation. Adam began his career in environmental consulting in 1999. From 2005 to 2013, he worked as a Superfund Technical Assistance and Response Team (START) contractor for the U.S. Environmental Protection Agency's (USEPA) Emergency Response and Removal Branch providing technical and scientific support in USEPA Region IV. Adam joined NOAA in 2013.