October 30th & 31st | Allison Dining Room – Taubman 520

Workshop Agenda

October 30, 2019

- **8:30 – 9:00am**: Breakfast

- **9:00-9:15am**: Opening Remarks from HKS Arctic Initiative & Wilson Center
  - Ambassador David Balton, Polar Institute Senior Fellow, Wilson Center
  - Halla Hrund Logadóttir, Arctic Initiative Co-Founder & Co-Director, Harvard Kennedy School Belfer Center

- **9:15-9:45am**: Presentation of Iceland’s Arctic Council Chairmanship
  - Fran Ulmer, Arctic Initiative Senior Fellow, Harvard Kennedy School Belfer Center
  - Magnús Jóhannesson, Special Adviser on Arctic Affairs for the Icelandic Government

- **9:45-10:30am**: Issue Overview – What is the status of plastic pollution in the Arctic
  - Moderator: Hrönn Ólína Jörundsdóttir, Chief Infrastructure Officer, Matis
  - Elizabeth McLanahan, Director of the NOAA Office of International Affairs and Senior Advisor to the NOAA Administrator
  - Jenna Jambeck, National Geographic Fellow & Associate Professor, College of Engineering, University of Georgia

- **10:30-11:00am**: Coffee Break

- **11:00-12:15pm**: Thematic Session 1 - Strategies in Monitoring
  - Moderator: Soffia Guðmundsdóttir, Executive Secretary, PAME
  - Jennifer Provencher, Wildlife Health Unit Head, Canadian Wildlife Service
  - Melanie Bergmann, Senior Deep Sea Researcher, Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (attending virtually)
  - Nancy Wallace, Director, NOAA Marine Debris Program
  - Tiina Kurvits, Project Manager, Grid-Arendal

- **12:15-1:15pm**: Lunch

- **1:15-2:45pm**: Thematic Session 2 - Mitigation Efforts at the Global Level
  - Moderator: Pia Elisabeth Hansson, Director of the Institute of International Affairs, the Centre for Small State Studies, the Centre for Arctic Studies and Höfði Reykjavik Peace Centre, University of Iceland
  - Christopher Corbin, Senior Programme Officer, Ecosystems Division, United Nations Environment Programme (UNEP)
  - José Manuel Moller, CEO, Algramo
  - Julia Cohen, Co-Founder and Managing Director, Plastic Pollution Coalition
  - Philip Stamp, Deputy Secretary, Secretariat to the OSPAR Commission (attending virtually)
2:45-3:00pm: Coffee Break

3:00-4:45pm: Thematic Session 3 - Efforts in the Arctic which can be Scaled
  - Moderator: Gunn-Britt Retter, Head of the Arctic and Environment Unit, Saami Council
  - Becca Robbins Gisclair, Senior Director of Arctic Programs, Ocean Conservancy
  - Hans Axel Kristensen, Co-Founder & CEO, Plastix
  - Melissa Nacke, Environmental Specialist, AECO - Association of Arctic Expedition Cruise Operators
  - Olafur Kjartansson. Managing Director, Icelandic Recycling Fund

6:00 – 8:00pm: Dinner – Henrietta’s Table in the Charles Hotel (next door)

October 31, 2019

8:30-9:00am: Breakfast

9:00-9:15am: Summary of Day 1
  - Ambassador David Balton, Polar Institute Senior Fellow, Wilson Center
  - Halla Hrund Logadóttir, Arctic Initiative Co-Founder & Co-Director, Harvard Kennedy School Belfer Center

9:15-11:00am: Thematic Session 4 - Innovations and a path forward to Reykjavik
  - Moderator: Terzah Tippin Poe, Lecturer, Sustainability and Environmental Management, Harvard University
  - Bill Cooper, SVP, Strategy & Corporate Development, Agilyx
  - Kara Lavender Law, Research Professor of Oceanography, Sea Education Association
  - Philippe Amstislavski, Associate Professor of Public Health, Department of Health Sciences, University of Alaska-Anchorage
  - Sonia Albein Urios, Researcher, Sustainability and Industrial Recovery, AIMPLAS

11:00 – 11:15am: Coffee Break

11:15-12:15 pm: Conclusions - What Have we Learned?
  - Moderator: Fran Ulmer, Arctic Initiative Senior Fellow
  - Ambassador David Balton, Polar Institute Senior Fellow, Wilson Center
  - Magnús Jóhannesson, Special Adviser on Arctic Affairs for the Icelandic Government

12:15-12:30pm: Closing of the workshop
  - Halla Hrund Logadóttir, Arctic Initiative Co-Founder & Co-Director, Harvard Kennedy School Belfer Center
  - Ambassador David Balton, Polar Institute Senior Fellow, Wilson Center
Workshop Speakers

**Becca Robbins Gisclair, Sr. Director of Ocean Conservancy’s Arctic Programs** manages the program to ensure governments, local communities and ocean advocates are fighting to protect a region that is already feeling the impacts of global climate change. Becca works closely with Alaska tribes and other grassroots organizations to ensure our work in the Arctic is sustainable and resilient. She also leads Ocean Conservancy’s work on ecosystem-based fisheries management in the North Pacific.

Becca is an attorney who has worked on fisheries policy, environmental issues and international human rights for over 13 years. Becca currently serves as a Board member for the North Pacific Research Board and on the Advisory Board to the Circumpolar Conservation Union.

Her previous experience includes working on fishery management and Alaska Native rights for the Yukon River Drainage Fisheries Association, the Alaska Marine Conservation Council, and in private practice with the law firm Hobbs, Straus, Dean and Walker, LLP. Becca served on the North Pacific Fishery Management Council’s Advisory Panel for six years, including two as Chair, and now serves on the North Pacific Research Board. Becca holds a B.A. from Stanford University and a J.D. from the University of California, Hastings College of the Law. She lives in Bellingham, Washington.

**Bill Cooper is the SVP, Strategy & Corporate Development, for Agilyx.** In this capacity, Mr. Cooper is responsible for the strategy of the Company and is the primary interface with waste generators and aggregators looking to recycle post-use plastics and with petrochemical companies and manufacturers looking to access recycled monomers, chemicals and fuels. Mr. Cooper also represents Agilyx at plastic recycling summits conferences and with local, State and Federal governments.

Mr. Cooper has over 20 years of investment banking and consulting experience working with growth companies. He has raised over $6 billion in financings and worked on over $2 billion in merger and acquisition transactions.

Before joining Agilyx, Mr. Cooper headed the Advanced Fuels, Chemicals and Materials practice at Wedbush Securities as part of its Industrial Growth Technology Group. He also spent a considerable amount of time working with Waste-To-Value and Energy Efficiency companies. Mr. Cooper began banking in New York City with Donaldson, Lufkin & Jenrette (DLJ) where he worked in the Investment Banking and Merchant Banking groups. Mr. Cooper also helped grow and run investment banking groups at ABN AMRO, Seven Hills Partners, and W.R. Hambrecht + Co.

Mr. Cooper holds a Bachelor of Science in economics from Harvard University. While at Harvard, he was a member of the Harvard Heavyweight Crew Team and the U.S. National Rowing Team.

**Christopher Corbin is a senior Programme Officer with the Ecosystems Division of the United Nations Environment Programme (UNEP).** He is based at the Secretariat for the Cartagena Convention in Kingston, Jamaica, which covers all the countries of the Wider Caribbean Region. Chris is responsible for the Secretariat’s Marine Pollution and Communications Sub-Programmes and oversees activities on marine litter management among others.

Chris, a Saint Lucian national, has over 30 years of programme and project management experience. His technical training is in Environmental Monitoring and Assessment and he has been recently involved in the development and implementation of multi-country projects on wastewater management, solid waste management and integrated coastal zone and watershed management.
He was responsible for the development of the “Regional Action Plan for Marine Litter Management in the Caribbean” and is currently leading the preparation of a Regional Caribbean Marine Litter Strategy.

Ambassador David Balton, Polar Institute Senior Fellow, Wilson Center. David Balton served as the Deputy Assistant Secretary for Oceans and Fisheries in the Department of State, attaining the rank of Ambassador in 2006. He coordinated U.S. foreign policy concerning oceans and fisheries, as well as issues relating to the Arctic and Antarctica, and oversaw U.S. participation in international organizations dealing with these issues. Ambassador Balton functioned as the lead U.S. negotiator on a wide range of agreements and chaired numerous international meetings.

During the U.S. Chairmanship of the Arctic Council (2015-2017), he served as Chair of the Senior Arctic Officials. He also co-chaired Arctic Council Task Forces that produced the 2011 Arctic Search and Rescue Agreement and the 2013 Arctic Oil Pollution Agreement. He separately chaired negotiations to produce an Arctic fisheries agreement.

Ambassador Balton received an A.B. from Harvard College and a J.D. from Georgetown University. He appeared with the National Symphony Orchestra (juggling oranges).

Elizabeth McLanahan is the Director of NOAA’s Office of International Affairs and Senior Advisor to the NOAA Administrator. She serves on the negotiating team or as the U.S. Head of Delegation to a number of international fora such as Convention on Biological Diversity, Arctic Council, UNEP, and Biodiversity Beyond National Jurisdiction. She also provides leadership and policy guidance to the NOAA Administrator on all international matters and engagements.

Previous to Elizabeth’s 15 years at NOAA, she worked for the Department of the Interior and the World Bank. She holds a B.A. in Biology from Dartmouth College, as well as a Masters in Forestry and a Masters in Environmental Management both from Duke University.

Fran Ulmer, Arctic Initiative Senior Fellow, Harvard Kennedy School Belfer Center for Science and International Relations. Ms. Ulmer is chair of the U.S. Arctic Research Commission, where she has served since being appointed by President Obama in March 2011. In June 2010, President Obama appointed her to the National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling. From 2007 to 2011, Ms. Ulmer was chancellor of Alaska’s largest public university, the University of Alaska Anchorage (UAA). Before that, she was a Distinguished Visiting Professor of Public Policy and Director of the Institute of Social and Economic Research at UAA. She is a member of the Global Board of the Nature Conservancy and on the Board of the National Parks Conservation Association.

Ms. Ulmer served as an elected official for 18 years as the mayor of Juneau, a state representative, and as Lieutenant Governor of Alaska. She previously worked as legal counsel to the Alaska Legislature, legislative assistant to Governor Jay Hammond, and Director of Policy Development for the state. In addition, she was the first Chair of the Alaska Coastal Policy Council and served for more than 10 years on the North Pacific Anadromous Fish Commission. She has served on numerous local, state, and federal advisory committees and boards. Ulmer earned a J.D. cum laude from the University of Wisconsin Law School and has been a Fellow at the Institute of Politics at the Kennedy School of Government.
Gunn-Britt Retter, Head of Arctic and Environmental Unit of the Saami Council. Ms Gunn-Britt Retter lives in the coastal Saami community Unjárga-Nesseby in north-eastern Norway. She is a teacher of training from Sámi University of Applied Sciences and holds MA in Bilingual studies from University of Wales.

Since 2001, Retter has worked with Arctic Environmental issues, first at Arctic Council Indigenous Peoples’ Secretariat (IPS) (Denmark) and since 2005 in the present position as Head of Arctic and Environmental Unit of the Saami Council. In her present position, Retter has been involved in issues related to indigenous peoples and knowledge associated with climate change, biodiversity, language, pollution and management of natural resources.

Halla Hrund Logadóttir is the Co-founder and Co-Director of the Arctic Initiative at Harvard Kennedy School’s Belfer Center for Science and International Relations. She is a fellow at the Kennedy School’s Environment and Natural Resource Program.

In Iceland, her home country, Ms. Logadóttir serves on the advisory board to the Minister of Industry, Innovation, and Tourism on Iceland’s Energy Fund and collaborates with the country’s leadership on environmental and Arctic issues. She is the Founder of the Arctic Innovation Lab; a platform established to encourage solution-based dialogue on Arctic challenges and an advisor to Arctic Today, a key media on circumpolar issues.

Previously, Ms. Logadóttir was the director of the Iceland School of Energy at Reykjavik University where she continues to lecture on Arctic policy.

Hans Axel Kristensen is the co-founder and CEO of PLASTIX, a clean-tech mechanical recycling company that is committed to tackle plastic pollution of the oceans preventively, by transforming maritime waste into high-quality Green Plastic raw material. Employing co-creative and innovative processes, Hans has driven the development of sustainable technologies, enabling the transition to a circular plastic economy that conserves valuable resources and reduces CO2 emissions.

Born 1966 in Denmark, Hans holds a Master’s degree in Law and has held various international executive management positions at listed companies such as Scandic Hotels, Dell, and Carlsberg, after which he entered the world of start-ups. Hans is an outspoken advocate of the UN’s Sustainable Development Goals, The Circular New Plastics Economy and Green Economic Growth.

Hrönn Ólína Jörundsdóttir is Chief Infrastructure Officer (CIO) at Matís for the division of Food safety and Analytical service as well as Coordinator of National Reference Laboratory (NRL) activities of Matís.

Hrönn has a Ph.D. in environmental chemistry from Stockholm University in Sweden focusing on analysing POPs and their metabolites in the environment.

Today, she is involved in policy making as Matís and acting as Matís representative to the Ministry of Industries and Innovation for food safety risk assessment and risk communication and is the chair for the Icelandic risk assessment committee on food, feed and seeds according to the Icelandic food legislation.
Dr. Jenna Jambeck is a Professor in the College of Engineering at the University of Georgia (UGA), Director of the Center for Circular Materials Management in the New Materials Institute and a National Geographic Fellow. She has been conducting research on solid waste issues for over 23 years with related projects on marine debris since 2001. She also specializes in global waste management issues and plastic contamination.

Her work on plastic waste inputs into the ocean has been recognized by the global community and translated into policy discussions by the Global Ocean Commission, in testimony to U.S. Congress, in G7 and G20 Declarations, and the United Nations Environment program. She conducts public environmental diplomacy as an International Informational Speaker for the US Department of State. This has included multiple global programs of speaking events, meetings, presentations to governmental bodies, and media outreach in thirteen countries.

She has won awards for her teaching and research in the College of Engineering and the UGA Creative Research Medal, as well as a Public Service and Outreach Fellowship. In 2014 she sailed across the Atlantic Ocean with 13 other women in eXXpedition to sample land and open ocean plastic and encourage women to enter STEM disciplines. She is co-developer of the mobile app Marine Debris Tracker, a tool that continues to facilitate a growing global citizen science initiative. The app and citizen science program has documented the location of over two million litter and marine debris items removed from our environment throughout the world. Follow her work on Twitter @JambeckResearch, @DebrisTracker.

Dr. Jennifer Provencher is the Head of the Wildlife Health Unit at the Canadian Wildlife Service, currently working with partners on issues affecting the conservation of wildlife species, such as plastic pollution and contaminants. Some of her recent academic research includes a study on how fish and zooplankton communities in the eastern Canadian Arctic have changed with the different sea ice conditions, and incidental seabird bycatch in growing Arctic fisheries, which are in turn being impacted by changing climatic conditions. Her work has also included using seabirds to track plastic pollution in seabirds, and she now leads several projects that assess how seabirds area affected by marine plastic pollution.

She completed her PhD in Biology with a specialization in Environmental and Chemical Toxicology at Carleton University in 2016, after which she pursued post-doctoral work at Acadia University with Environment and Climate Change Canada.

José Manuel Moller is the CEO & Founder of Algramo. His undergraduate studies were in Business Administration, he also holds a Master of Advanced Design. Since 2013, José has been dedicated to creating and developing Algramo. A TED & Ashoka Fellow, José has won many accolades including: Fast Company Most Innovative Company in Latin America, Chile’s 2017 Top Social Entrepreneur (Schwab Foundation), World Economic Forum Global Shaper & Young Global Leader. His most recent award is leading Algramo to become a MIT Solver in the first ever Circular Economy Challenge.

In few years, with limited investment, he has established Algramo across a network 2,000 stores which has made Algramo operationally profitable. In the past 4 years, José has brought reusable packaging to 350,000 bottom of the pyramid (BoP) customers and has instilled a reuse culture in the BoP communities Algramo serves-where reuse rates have increased from less than 10% to 85%.

With a vision of transforming the way people consume products, he is disrupting the packaging & consumer goods supply chain industries by adding new technologies & now global brands are incorporating Algramo’s technology into their distribution systems.
José is honoured to be working with brands, like Unilever, to help them use packaging in a more circular manner, to help catalyze reusable packaging systems on a globally significant scale. Doing this will save families on the cost of life’s essentials, while keeping packaging in the economy and out of the environment.

**Julia Cohen, MPH, Co-Founder and Managing Director, Plastic Pollution Coalition.** Julia brings nearly three decades of experience in leading executive, strategic, communications, fundraising, and outreach efforts for a wide range of government, entertainment, and non-profit groups. Julia is a founding collaborator of PPC and recently was the Senior Director of External Engagement at the Environmental Working Group (EWG), and the Development Director of Plastic Pollution Coalition.

She holds a BA in Modern Society and Social Thought from the University of California, Santa Cruz and a Masters in Public Health from the University of California, Berkeley.

**Dr. Kara Lavender Law is a Research Professor at Sea Education Association (Woods Hole, MA)** who has been studying plastic debris in the ocean for more than a decade. Dr. Law’s research focuses on the sources of plastic to the marine environment, understanding how ocean physics determines the distribution of plastic debris, and the degradation and ultimate fate of different plastic materials in the ocean.

She is co-chair of the Scientific Committee on Oceanic Research (SCOR) Working Group FLOTSAM (Floating Litter and its Oceanic TranSport Analysis and Modelling), serves as the co-principal investigator of the NCEAS Marine Debris Working Group, and holds a PhD in physical oceanography from Scripps Institution of Oceanography and a BS in mathematics from Duke University.

**Magnús Jóhannesson, Special Adviser on Arctic Affairs for the Icelandic Government.** Magnús Jóhannesson was the first Director of the Arctic Council Secretariat in Tromsø from 2013 to 2017. He served as Chairman of PAME working group of the Arctic Council and Co-chair of EBM (Ecosystem Based Management) Experts Group of the Arctic Council from 2011 to 2013.

Before joining the Arctic Council Secretariat Mr. Jóhannesson served as the Permanent Secretary of the Ministry for the Environment and Natural Resources in Iceland and before he served as the Maritime Director in Iceland. Mr. Jóhannesson has represented Iceland, in his previous capacity, in various International fora dealing with Safety at Sea, Environmental Protection and Sustainable Development and has chaired a number of international negotiations in these fields.

**Dr. Melanie Bergmann is a senior deep-sea researcher at the Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research.** Having found a temporal increase in plastic debris on the deep Arctic seafloor, she established the FRAM Pollution Observatory whose aim is to quantify plastic pollutants in all Arctic ecosystem compartments and delineate temporal trends. Her work has yielded a number of scientific papers in high-quality journals.

Realizing how difficult it is to keep up with the pace of emerging new studies, when editing the text book ‘Marine Anthropogenic Litter’,
Melanie co-founded the marine debris portal LITTERBASE. It translates published data into global maps and infographics for stakeholders.

Melanie’s expertise feeds into several international expert groups on plastic pollution and informs national and European policy makers. Passionate about science communication, she has given countless interviews to the media, community talks and contributed to exhibitions including the travelling Ocean Plastic Lab.

Melissa Nacke is an environmental specialist at the Association of Arctic Expedition Cruise Operators (AECO), based in Tromsø, Norway. Melissa leads AECO’s Clean Seas project which aims to combat marine plastic pollution on Arctic expedition cruise vessels, as well as enhance cruise passengers’ involvement in beach cleanups.

Melissa has experience working with ship operators and federal regulators to find sustainable solutions to reduce shipping impacts on the environment. Through her work, she engages at the local community, federal and international level, including the International Maritime Organization’s Marine Plastic Litter Working Group.

Melissa is a Canadian and received her BSc in Marine Biology and Oceanography from Dalhousie University in Halifax and her MSc in Geography and Environmental Studies at Carleton University in Ottawa.

Nancy Wallace is the Director of the National Oceanic and Atmospheric Administration’s Marine Debris Program. The Marine Debris Program is the federal lead for researching, preventing, and reducing the impacts of marine debris in the United States. Nancy is the Chair of the Interagency Marine Debris Coordinating Committee, the former Chair of the United Nations Global Partnership on Marine Litter and the Co-Chair of the Asia Pacific Economic Cooperation Marine Debris Working Group.

Nancy has worked on ocean policy related issues for close to 20 years. Her work includes resource conservation with the National Park Service, developing sustainable catch limits for fisheries off the east coast of the United States and efforts to improve water quality in the Gulf of Mexico.

Ólafur Kjartansson is the Managing Director of the Icelandic Recycling Fund (IRF) since its establishment in 2003. The IRF’s main objective is to implement financial incentives to increase the recycling and recovery of waste and secure proper treatment of hazardous waste. IRF is financing the recovery and recycling of many waste streams. The IRF and Fisheries - Iceland reached an agreement that Fisheries - Iceland would arrange for the collection and recycling of fishing nets in Iceland.

Before taking on the role of managing director he was responsible for managing energy and environmental-related issues for the Federation of Icelandic Industries. He participated in preparation work for IRF’s establishment as a board member for its predecessor, the Icelandic Hazard Waste Committee.

He graduated with a Bachelor of Mechanical Engineering from the University of Iceland and a Master of Industrial and Systems Engineering from the University of Florida.
Philip Stamp, Deputy Secretary, Secretariat to the OSPAR Commission. Philip joined the OSPAR Secretariat in August 2018. His main responsibility is to support the work of the Committee on Environmental Impacts of Human Activities and its various expert groups covering issues such as marine litter, underwater noise, dumping of wastes and other matter, renewable energy, aggregates extraction and measures to counter harmful non-indigenous species.

Philip has previously worked in the UK Government on many environmental policies including spatial planning, air quality, sustainable consumption, international environmental cooperation, marine regulation and fisheries quota negotiations. His international experience includes EU environmental and sustainability policies and a secondment to the European Commission to project manage a programme on auto-oil standards, as well as experience of working with various international bodies including UNECE, OECD, IMO, London dumping Convention, Arctic Council and of course OSPAR!

Philippe Amstislavski is Associate Professor of Public Health at University of Alaska. Originally from the Urals, Dr. Amstislavski works collaboratively with the Arctic communities on both sides of the Bering Strait. In his teaching and research Dr. Amstislavski draws from an unusual blend of knowledge and experiences—from his work as public health nurse, to mycology, environmental data analysis, and architecture. His current interests center on improving the Circumpolar health through reduction of marine and soil contaminants. He is founder and CEO of Rhizoform, LLC an Alaskan biomaterials start-up developing biodegradable alternative to plastic foams.

Dr. Amstislavski recently developed a low-carbon, bio-based foam for shipping of Alaskan seafood in environmentally responsible and thermally insulated containers. He hopes that biomaterial solutions could also remove the polluting plastic from fishing net buoys, and from housing insulation in the Arctic. His team is currently up-scaling the fabrication of bio-foams that he developed and creating analytical methods to test and characterize plastic alternatives. In active collaboration with the Alaskan fishermen and seafood processors he and his team recently began to prototype fabrication of bio-degradable seafood shipping containers. His research advances the fundamental understanding of the physical and mechanical properties, and environmental profiles of novel bio-based alternatives to plastics.

Pia Elisabeth Hansson, Director of the Institute of International Affairs, the Centre for Small State Studies, the Centre for Arctic Studies and Höfði Reykjavik Peace Centre at the University of Iceland. Pia holds a B.A. degree in Communication from the University of Minnesota and an M.A. degree in International Relations from the University of Iceland. She also pursued an M.F.A. programme in Television Production at the City University of New York.

For years Pia worked as a Broadcasting producer and director, both in Iceland and abroad, until she became the media specialist at the Embassy of the United States in Iceland from 2002-2006. In the winter of 2007-8 Pia served as the Head Spokesperson for the Sri Lanka Monitoring Mission (SLMM), a Nordic ceasefire monitoring mission in Sri Lanka, on behalf of the Icelandic Ministry for Foreign Affairs.
Soffía Guðmundsdóttir, PAME Executive Secretary. Soffía Guðmundsdóttir received an MBA from University of Oxford, England, M.S degree in environmental engineer and sciences from University of Washington, Seattle and B.S.in Chemistry from University of Iceland. She has served as the Executive Secretary for the Protection of the Arctic Marine Environment Working Group (PAME) of the Arctic Council over the last 20 years supporting its direction and execution and implementation of the group’s strategies and goals towards its objectives including both project and budget management.

Soffia also worked as a consultant at the United Nation Environment Programme-GPA Coordination Office, The Hague, Netherlands. Before taking over the duties of PAME she worked in the field of environmental engineering consulting, combined with management and administrative duties in regional and international environmental organizations.

Sonia Albein Urios, Researcher, Sustainability and Industrial Recovery, AIMPLAS. Ms Urios holds a bachelor’s degree in environmental science from University Miguel Hernández of Elche (Spain) with a Master in Sustainable waste management. She has been a researcher in the Department of Sustainability and Industrial Recovery of AIMPLAS since 2018. She has experience in developing and improving recycling waste facilities to increase efficiency of reuse of selected materials. She is responsible for a variety of activities including research of product recyclability and different mechanisms to optimize best methods, manufacturing processes, recycling/recovery of materials and eco-design. She has participated in national and international projects mainly focused on waste recovery to obtain new products as well as prevention and valorisation of marine waste.

She is a frequent speaker at seminars and conferences, with six years of experience in waste management. In the area of sustainability and industrial recovery, her field of specialization is plastic waste, marine litter and mechanical recycling and energy recovery technologies.

Terzah Tippin Poe, Lecturer, Sustainability and Environmental Management, Harvard University. Ms Poe, a US Arctic Inuit, is a lecturer at Harvard University in the Sustainability and Environmental Management program and consults, writes and speaks about a broad range of sustainability issues including international environmental governance, marine policy, and business resilience.

Her areas of expertise are sustainability management, new country entries, vulnerable community/indigenous relations, land use, risk assessment/mitigation and policy. In addition, she lectures at Harvard Law, Tufts and Boston College and other institutions on social/food/environmental justice, indigenous rights and collaborative development.

As part of Poe’s portfolio with a global energy company, she negotiated agreements with communities and worked with international organizations including the World Bank, Inuit Circumpolar Council, WWF, First Peoples Worldwide, Living Earth and The Nature Conservancy to develop policy.

Poe holds a Masters from Harvard in Sustainability and Environmental Management, a Bachelors in Journalism, and post graduate studies in Public Policy and Ethics.
**Tiina Kurvits is a Project Manager at GRID-Arendal**, a Norwegian non-profit organization and collaborating centre of the United Nations Environment Programme (UNEP). Her lifelong passion for our natural world led her to pursue degrees in Wildlife Biology and Environmental Studies.

With over 25 years of experience in environmental education, research and policy, she has worked on a broad range of issues with both government and non-government organizations in Canada and internationally. Since joining GRID-Arendal in 2002, Tiina has worked on projects relating to climate change, ecosystem management, food security, protected areas and biodiversity conservation. Her current work focuses on the challenge of marine plastics, and blue forests for a blue economy.
Workshop Organizers

**Brittany Janis, Arctic Initiative Project Coordinator, Harvard Kennedy School Belfer Center.** Brittany is helping to lead the Arctic Initiative’s research on developing policy solutions to combat plastic pollution in the Arctic Ocean. She graduated in May of 2019 from the Harvard Kennedy School MC/MPA Program. While a student at HKS, Brittany worked as a Research Assistant for the Arctic Initiative, was a student member of the HKS Sustainability Leadership Council, and served as Program Director for the student-led Social Enterprise Conference.

Before coming to Harvard, she spent her career working in strategic fund development and nonprofit management for a range of nonprofit organizations from New York to San Francisco. Most recently, she served as a Major Gift Officer at Environmental Defense Fund (EDF). She’s a former President of the Association of Fundraising Professionals Golden Gate Chapter. She is a Certified Fundraising Executive (CFRE) and holds a M.A. in Philanthropy and Development from St. Mary’s University of Minnesota. She received her B.A. in History, Political Science, and Theater from Case Western Reserve University.

**Karin Vander Schaaf is the Administrative Coordinator of the Science, Technology, and Public Policy Program (STPP) and provides faculty assistance to Professors Venkatesh Narayanamurti, Jim Waldo, Afreen Siddiqi, Bruce Schneier and Arctic Initiative Co-Directors Professor John P. Holdren and Halla Logadottir.** Her administrative responsibilities include financial management and budget oversight, logistics planning for conferences, seminars, and workshops, and working with the STPP and Environment and Natural Resources Program fellows on HKS administrative matters. She is passionate about the environment and is a member of the HKS Green Team. She also serves on the HKS Joint Council.

Karin joined the Belfer Center after eleven years at Harvard Medical International where her role was Manager of Administrative Operations and Program Manager for the Dubai Healthcare City project. Karin holds a B.A. from the University of Wisconsin-Madison and a Graduate Certificate of Special Studies in Administration and Management from the Harvard Extension School.

**Marisol Maddox is an Arctic Researcher at the Woodrow Wilson Center in Washington, DC, and a graduate student in International Security at George Mason University in Arlington, VA.** Her research considers the security implications of an opening Arctic, the evolution of US strategy in the region, polar governance and geopolitics, climate change risk mitigation, and opportunities for enhanced international collaboration on regenerative solutions to shared security concerns.

Maddox received her bachelor’s degree in Environmental Studies with a concentration in Ecosystems from Binghamton University in New York. She combines her background in resilient systems design with the security field to foster policies that focus on long-term stability.
Alice Rogoff is the Founder, Publisher and Editorial Director of Arctic Today, the comprehensive news source reporting on the Arctic, from the Arctic. She is the former Publisher and owner of Alaska Dispatch News.

Ms. Rogoff, together with former Iceland President Ólafur Ragnar Grimsson, is co-founder of the Arctic Circle organization, the largest international gathering on Arctic issues. Rogoff also worked in media as CFO of U.S News and World Report for over a decade and earlier at the Washington Post. Ms. Rogoff serves as an advisor to the Arctic Initiative, on how to broaden the dialog around Arctic issues to create an empowering new narrative around opportunities for progress in the region.

Amalia Aruda Almada is the Senior Program Manager of the Planetary Health Alliance, overseeing the strategic visioning, external relations, and program operations for PHA. She received a Ph.D. in Biological Oceanography from the MIT/Woods Hole Oceanographic Joint Program and a B.S. in Biology from Georgetown University.

Before joining PHA, Dr. Almada was a Policy Analyst in the Policy and Constituent Affairs Division of NOAA’s National Ocean Service. As a Knauss Marine Policy Fellow, she was the primary advisor to the National Ocean Service (NOS) Director and the lead NOS program coordinator for science and policy issues pertaining to the Arctic, National Ocean Policy, and marine planning. Dr. Almada served as the Special Assistant to NOAA’s Senior Arctic Advisor and as the program coordinator of NOAA’s Arctic Team, supporting internal team functions and engagement with external partners, including the White House. Dr. Almada has also served as a Georgetown Science in the Public Interest Fellow in the Public Affairs Office of the Ecological Society of America.

Dr. Almada was honored with a National Science Foundation Graduate Research Fellowship (2010) and an Environmental Protection Agency Science to Achieve Results Fellowship (2010) for her graduate research investigating interactions between Vibrio bacteria and copepods. She was also awarded an American Institute of Biological Sciences (AIBS) Emerging Public Policy Leadership award (2014) for her "demonstrated leadership, initiative, and enthusiasm at the interface of science and policy".

Amanda Sardonis is the Associate Director of the Environment and Natural Resources Program (ENRP) at the Belfer Center. She oversees the day-to-day activities of the program and keeps ENRP focused on its research mandate: analyzing and developing policies that are sustainable in a world constrained by climate, security, energy, and economic development concerns.

Amanda also manages ENRP’s student support programs and the Roy Family Award for Environmental Partnership. Her research focuses on the potential of environmental public-private partnerships to meaningfully address complex environmental challenges such as climate change. She has a Master of Liberal Arts (ALM) in Sustainability and Environmental Management from Harvard University and a BA in English from Mount Holyoke College.
Charlotte Dyvik Henke, Environmental Engineering Student at Harvard University, Class of 2021. Student rapporteur.

Cristine Russell is an Adjunct Lecturer in Public Policy and Senior Fellow in the Environment and Natural Resources Program, Belfer Center for Science and International Affairs. She is an award-winning freelance journalist who has covered science, environment, public health and STEM issues for more than three decades. Russell, a former national science reporter for The Washington Post, has also written for news media outlets such as Scientific American, Columbia Journalism Review and The Atlantic.

Russell co-chaired the Organizing Committee of the World Conference of Science Journalists 2017 in San Francisco and has organized sessions for previous conferences in Korea, Finland, Qatar, and the UK. She is immediate past-president of the Council for the Advancement of Science Writing and a former president of the National Association of Science Writers.

Russell is an Advisory Board member and former Fellow at HKS’ Shorenstein Center on Media, Politics & Public Policy. She has served on the boards of the Reporters Committee for Freedom of the Press; USC Annenberg School for Communication & Journalism; and the Commonwealth Fund. Russell is a Fellow of the American Association for the Advancement of Science; an honorary member of Sigma Xi, the Scientific Research Society; and a Mills College graduate with a degree in biology.


Deenaalee Hodgdon, Brown University, Student Activist. Deenaalee is Deg Hit’an Athabaskan and Supiaq from the villages of Anvik and South Naknek, Alaska. She is in her final semester at Brown University where she concentrates in Anthropology and Public Policy. Last spring Deenaalee interned at the Polar Institute as a Brown In Washington Fellow where she worked on understanding U.S Arctic national security and equitable adaption strategies for Arctic Indigenous peoples. In the summer, Deenaalee commercial fishes in Bristol Bay and has worked as a cultural interpreter and raft guide in Denali National Park.

Her intellectual curiosities are dedicated to sustainable fisheries, indigenous rights, climate justice, and Arctic resilience. Deenaalee is an activist academic, having participated as a water protector at Standing Rock, organizing around the Arctic Wildlife Refuge and the protection of Bristol Bay from the proposed Pebble Mine. She seeks to guide policymaking through a holistic and Indigenous approach and as a native womxn rock climber, skier, and backcountry hiker, she also hopes to increase visibility and inclusivity in the outdoors.

Dr. Douglas Causey is Professor of Biological Sciences and Principal Investigator of the Department of Homeland Security Arctic Domain Awareness Center of Excellence. He also serves as Senior Advisor on Arctic Policy to the Chancellor at the University of Alaska Anchorage. He arrived to UAA in June 2005 from Harvard University where he was Senior Fellow of the Kennedy School of Government and Senior Biologist at the Museum of Comparative Zoology.

From 1995 - 2000, Doug represented the National Science Foundation at organizational meetings leading to the formation of the Arctic Council and was NSF’s Arctic Representative during the Gore-Chernomyrdin negotiations on US-Russian Science Policy. An ecologist and evolutionary biologist by training, he has authored over one hundred ninety publications on topics as diverse as the biology of Arctic marine birds, high Arctic coastal systems, and bat-borne diseases. His research focuses on the ecosystem correlates of Arctic climate change and on the presence and effects of plastic and microplastics in the Arctic marine environment. He and
his students are actively conducting research in the Aleutian Islands, the northern Bering Sea, and Northwestern Greenland.

**Joël Plouffe** is Advisor at the Arctic Council Secretariat (ACS) in Tromsø, Norway. His work at the ACS includes supporting the Icelandic Chairmanship’s work on marine litter and plastics in the Arctic. Before joining the ACS, Joël was based in Canada at the École nationale d'administration publique in Montréal where he was a research fellow in Arctic geopolitics and governance, and instructor at McGill University and Université Laval. Joël has been visiting scholar, instructor and faculty advisor in circumpolar Arctic politics and security at Western Washington University, New York University and the University of Washington. He is a member of UArctic's Northern Research Forum, Fellow at the Canadian Global Affairs Institute, and Alumnus of the U.S. Department of State's International Visitor Leadership Program on Climate Change and Arctic Security. His PhD thesis is titled “U.S. Foreign Policy in the Post-Cold War Arctic: The Role of National Identity and National Interests in policy-making.”

**Dr. Liza Mack, Executive Director, Aleut International Association.** Dr. Mack is Aleut/Unangax, born and raised in the Aleutians and has over 20 years experience working in and around Native organizations and communities. She has an A.A. in Liberal Arts from UAS Sitka, a B.A. and M.S. in Anthropology from Idaho State University. She graduated in 2019 from the Indigenous Studies Program at the University of Alaska Fairbanks. Her dissertation research focused on natural resource management, knowledge transfer and engagement of Native communities in the regulatory process and how that may or may not affect the Native Cultures of Alaska.

Dr. Mack possesses knowledge of Alaska Native Cultures and is familiar with the local, regional, state, federal and international board processes that take place in Alaska and the Circumpolar North. She values the importance of engaging Indigenous people in these settings. She currently serves as the Executive Director for Aleut International Association.

**Elizabeth Hogan, Consultant, CSIRO & USAID.** Ms. Hogan ran the Oceans and Wildlife program with World Animal Protection in the United States for seven years, specializing in marine wildlife entanglement in addition to work on marine debris, whaling policy, and wildlife in captivity. During this time she has researched the impact of derelict fishing gear on marine ecosystems and wildlife, and established rescue networks and protocols for entangled marine mammals.

She has previously worked with the International Fund for Animal Welfare (IFAW) on wildlife protection policies and fishing gear modification for the conservation of North Atlantic Right Whales. Previously, Elizabeth has worked for government, corporate, and non-profit organizations, including four years as a consultant on climate change, deforestation policy, and sea level rise. She has also worked in ecotourism development in Ecuador and with the Camara de Industrias of Costa Rica to assist Central American businesses in adopting environmentally sustainable business practices.

**Henrique Pacini Fellow, Harvard University Weatherhead Scholars Program.** Economic Affairs Officer, United Nations Conference on Trade and Development (UNCTAD).
Henry Lee is the Jassim M. Jaidah Family Director of the Environment and Natural Resources Program (ENRP) within the Belfer Center for Science and International Affairs and the Co-Founder and Co-Director of the Arctic Initiative at Harvard’s John F. Kennedy School of Government. Mr. Lee is the Faculty Co-Chair of the Sustainability Science Program, and a Senior Lecturer in Public Policy. He also serves on the Advisory Board of the Harvard Kennedy School’s Kuwait Program.

Before joining the school, Mr. Lee spent nine years in Massachusetts state government as Director of the State’s Energy Office and Special Assistant to the Governor for environmental policy. He has served on numerous state, federal, and private boards, and advisory committees on both energy and environmental issues. Additionally, he has worked with private and public organizations, including the InterAmerican Development Bank, the International Finance Corporation, the State of Sao Paulo, the U.S. Departments of Energy and Interior, the National Research Council, the Intercontinental Energy Corporation, General Electric, the Massachusetts Department of Conservation and Recreation, and the U.S. EPA.

His recent research interests focus on energy and transportation, China’s energy policy, and public infrastructure projects in developing countries. Mr. Lee is the author of recent papers on both the U.S. and China, the economic viability of electric vehicles, as well as overseeing or writing case studies on Iceland’s green energy agenda, Argentina’s renewable energy program, the privatization of Rio de Janeiro’s airport, climate adaptation in South Florida, and the carbon tax in British Columbia.

Isabel Feinstein is the Assistant for the Belfer Center’s Environment and Natural Resources Program (ENRP) and provides faculty support to ENRP’s Director, Professor Henry Lee. Isabel joined the Belfer Center after graduating cum laude from the University of Massachusetts Amherst with her B.A. in Political Science. She has interned at Lake Research Partners in Washington, D.C. and The Jerusalem Post in Israel.

Joel Clement is an Arctic Initiative Senior Fellow at the Harvard Kennedy School’s Belfer Center for Science and International Affairs with a background in climate and energy issues, resilience and climate change adaptation, landscape-scale conservation and management, and Arctic social-ecological systems.

Prior to joining the Kennedy School, Mr. Clement served as an executive for seven years at the U.S. Department of the Interior. In September 2017, he was awarded The Joe A. Callaway Award for Civic Courage and resigned from public service in October of that year. Since then he has been on a national speaking tour and has received multiple awards for ethics, courage, and his dedication to the role of science in public policy.

Before serving in the federal government, Mr. Clement was the Conservation Science Program Officer for a private foundation in Seattle where he focused on climate change adaptation strategies, landscape-scale conservation, and improving geospatial data-sharing capacity. In addition to his role at the Harvard Kennedy School, he is an Associate with the Stockholm Environmental Institute and a Senior Fellow with the Union of Concerned Scientists.
Dr. John P. Holdren is the Teresa and John Heinz Professor of Environmental Policy at the Harvard Kennedy School of Government, Co-Director of the School’s Science, Technology, and Public Policy Program and Co-Director of the Arctic Initiative at Harvard Kennedy School’s Belfer Center. Dr. Holdren is a Professor of Environmental Science and Policy in the Department of Earth and Planetary Sciences, and Faculty Affiliate in the Paulson School of Engineering and Applied Science. He is also Visiting Distinguished Professor at Tsinghua University in Beijing, China, and Senior Advisor to the President at the Woods Hole Research Center, a pre-eminent scientific think tank focused on the role of the terrestrial biosphere in global climate change.

From January 2009 to January 2017, he was President Obama’s Science Advisor and Senate-confirmed Director of the White House Office of Science and Technology Policy (OSTP), becoming the longest-serving Science Advisor to the President in the history of the position.

His responsibilities in his White House role included advising the President on all science and technology (S&T) issues bearing on the President's agenda, including the role of S&T in economic competitiveness and job creation, biomedicine and public health, energy and climate change, the oceans and the Arctic, the nation's space program, and national and homeland security. He was also responsible for coordinating R&D strategy and budgets across the Executive Branch departments and agencies; overseeing interagency S&T programs, including the U.S. Global Change Research Program; developing initiatives in STEM education; advancing scientific integrity and openness in government; and representing the U.S. government in interactions with the U.S. and global science and engineering communities.


Julie Viglione, Chargée de Projets, Prince Albert II de Monaco Foundation


Keith Chanon is a Program Director in the National Science Foundation’s (NSF) Office of International Science & Engineering. He has established a Foundation-wide coordination group on plastics research and is planning an international scientific workshop on plastics with partners from Australia and New Zealand. Keith manages the Australia, Japan, and New Zealand portfolios in addition to other responsibilities. In 2015 he led the development of an internal U.S. Government-wide assessment of activities in the Arctic and almost three decades of international experience and expertise encompassing environmental protection, food safety, fisheries/living marine resources, and children’s environmental health.

Margrét Cela is a Project Manager at the Centre for Arctic Studies at the University of Iceland. She holds a BA degree in political science from the University of Iceland and an MA degree in international relations from the same university. She has also been a part time teacher at the University of Iceland, teaching on security matters and the Arctic.

She started a PhD research at the University of Lapland focusing on Iceland’s security interests in the Arctic (environmental, human and military), but has not completed her studies. Under the Centre for Arctic Studies at the University of Iceland she has been organizing events related to the Icelandic chairmanship of the Arctic Council, for the National Security Council of Iceland and the University of the Arctic.

Nicholas Austin, Foreign Service Officer U.S. Department of State. Nick is currently serving in the Department of States Bureau of Oceans and International Environmental and Scientific Affairs’ Office of Oceans and Polar Affairs as the Department’s lead on marine debris issues.

Previously, Nick has served in Argentina and Nigeria. Prior to joining the Department of State, Nick worked at the Pentagon on renewable energy and science and technology policy with the Air Force Research Labs. Nick received his master’s in energy and space policy from the Elliot School at George Washington and his bachelor degrees in astrophysics, math, and physics from the Florida Institute of Technology.

Peter Murphy is the Alaska Coordinator for the NOAA Marine Debris Program. He began working on the issue of marine debris in 2007, first starting on impacts caused by Hurricanes Katrina and Rita in the Gulf of Mexico. In 2009 Peter started as the MDP’s first Alaska Regional Coordinator. Since taking on this role, Peter has managed and participated in multiple field projects, including derelict vessel removals in the Pribilof Islands, sonar surveys in Southeast Alaska, and cleanups state-wide - learning first-hand the specific challenges and opportunities of addressing marine debris in the challenging and diverse environments across Alaska. Through projects in Alaska and beyond, Peter has worked with remote sensing and detection technologies on approaches for detecting, identifying and evaluating marine debris.

Rina Spence, Honorary Consul of Monaco in Boston
