

# Anne M. Cooper, Ph.D.

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## Professional Experience

International Council for the Exploration of the Sea (ICES)

Advisory Department

### **Professional Officer**

Copenhagen, Denmark

March 2012 – Present

- Facilitates and manages the production of fisheries and environment advice for multiple ICES clients throughout the ICES area on key issues, including: aquaculture, spatial area management, catch advice, fisheries overviews, management plan evaluations, and a diverse array of ICES Special Requests and benchmarks.
- Actively works to facilitate the ecosystem approach at every level of the ICES organization through the development of online tools that facilitate this transition, the scoping of new ICES advisory products (Ecosystem and Fisheries overviews), the production of mixed fisheries advice, integrated benchmarks, and participating in the Ecosystem Focus Group.
- Collaborates with the Data Center, data providers and ICES experts to issue ICES data calls for Special Requests, recurrent advice, and spatial data products. Solicits feedback on compliance and reports to clients.
- Successfully manages the substantive and administrative aspects of a large and expanding portfolio, complex cross-cutting projects, tight deadlines and an increasing workload with limited resources while building a professional network, a strong rapport with ICES leadership and the ICES community while maintaining a high standard of professional and scientific integrity.
- Leads the development and implementation of the ICES approach (assessment methods and advice) for stocks in categories 2-6; 65% of all ICES single stock advice.
- Manages scientific assistants and staff teams to achieve project objectives and deadlines, e.g., CARA, SAG for category 2-6, popular advice, Stock List Database (SLD).
- Cooperates with ICES Professional and Support staff across the organization to achieve common, cross-cutting goals, e.g., CARA, SAG, SLD, Strategic Initiative on aquaculture, data calls.
- Cultures long-standing relationships with ICES leadership, stakeholder groups, decision-makers, the broader public, and the ICES scientific community to build support and understanding of ICES goals, objectives, and work.
- Actively builds the ICES network through outreach and mentoring events, leading and expanding the Student Review Process, drafting publications, e.g., *Counting the Uncountable*, leading the production of the Popular Advice, and instructing an ICES Training Course.

National Oceanic and Atmospheric Administration (NOAA)

Office of the Under Secretary

Washington, DC, USA

2011 – 2012

### **Policy Advisor - Science and Management**

- Advised senior NOAA and US Government leadership on high profile, politically sensitive and scientifically complex environment issues, including climate science, atmospheric and marine observing systems, fisheries science, and living marine resource management issues.
- Managed the NOAA response, with a team of four staff members, to congressional investigations on climate science and policy. Prepared the Under Secretary for congressional hearings, briefed senior White House personnel, and negotiated with congressional authorizers.
- Developed policies and practices within this large, national-level scientific and marine resource management organization, to best align science with service needs to facilitate the application of the best available science to inform decision making across a diversity of sectors.

- Crafted implementation actions to ensure that NOAA's Scientific Integrity Policy, a crucial tool for strengthening the scientific enterprise and public policy process, is both successful at protecting the scientific process from political interference while increasing transparency and data quality standards.
- Communicated the quality, applicability, and usefulness of NOAA science and information to decision makers and targeted user communities through the release of reports, media opportunities, strategic partnerships, and scientific, management and policy forums such as the Intergovernmental Panel on Climate Change, Convention on Biological Diversity, Regional Fisheries Management Organizations, and World Meteorological Organization.

U.S. House of Representatives  
Science and Technology Committee, Democratic Staff

Washington, DC, USA  
2010 – 2011

***Professional Staff***

- Conducted congressional oversight of the US government's scientific capacities to identify, address, and guide science and management goals and objectives for marine fisheries, ocean observing, climate, marine renewable energy, and risk assessment.
- Negotiated key policy provisions, drafted legislation, conducted congressional hearings, and influenced congressional debate on these issues. Served as a representative and spoke before leading national science and policy audiences on behalf of senior leadership.
- Supported senior Committee leadership by drafting policy papers, guidance, and position papers on complex scientific and science-policy issues at the international level for the Convention on Biological Diversity, Convention on the Law of the Sea, Copenhagen Accord, Montreal Protocol, Arctic Council, and various Regional Fisheries Management Organizations on issues such as ocean acidification, biodiversity, fisheries management, and climate change.
- Executed a joint investigation with the UK House of Parliament, Science and Technology Select Committee on the international regulatory-framework needs and scientific gaps for climate science.

U.S. Senate Committee on Commerce, Science, and Transportation  
Oceans, Atmosphere, Fisheries and Coast Guard Subcommittee

Washington, DC, USA  
2009 – 2010

***Knauss Legislative Fellow***

- Served as a member of US delegations to multilateral institutions on fisheries, living marine resources, and the environment, including the Arctic Council, the International Commission for the Conservation of Atlantic Tunas, and the International Whaling Commission. Drafted international policy, position and briefing papers defining the US position on these issues.
- Assisted senior staff in drafting and negotiating marine fisheries, protected resource, and climate legislation. Issue areas included: ecosystem-based management, aquaculture, fisheries management (domestic and international), marine protected areas, protected resources, climate science, Arctic issues, and marine spatial planning.
- Interfaced with constituents, industry stakeholders, non-governmental organizations, federal scientists and managers, and representatives of foreign governments; recommended future directions to senior staff based on the state of the science and US management objectives.
- Planned Senate hearings, composed Committee reports, and prepared executive session memoranda and statements for senior Senate leadership.

University of Minnesota Twin Cities  
Fisheries Department

St. Paul, Minnesota, USA and  
Burapha University, Bangsaen, Thailand  
2000 – 2009

***Graduate Fellow***

- Managed a team of 19 international field and laboratory staff and oversaw a 2M USD budget to successfully conduct and report on the work outlined in the contract with USAID and publish findings. Raised over 123 000 USD of additional funding. Designed, built and maintained a 30 000

gallon indoor recirculating aquaculture facility. Organized international workshops biodiversity and biotechnology.

- Improved theory and ecological methods for management and conservation of aquatic ecosystems and fisheries through innovative laboratory and field experiments documenting the effects of hatcheries, non-native species, and aquaculture on native fish populations from the molecular to the ecological level.
- Collaborated with governmental and international non-governmental organizations to design experiments, publish findings, and coordinate international scientific and regulatory meetings.
- Drafted white papers and briefing materials for senior staff on international biotechnology, risk assessment, biodiversity, and climate conventions. Formulated position statements and made substantive program changes to existing environmental risk assessment techniques for aquatic biotechnology regulatory frameworks.

WorldFish Center (formerly ICLARM)

Penang, Malaysia

**Invited Researcher**

2005 – 2006

- Spearheaded project on establishment of non-native fishes in Asian producing nations through the international trade of ornamental fish for the aquarium industry.
- Co-authored a chapter on community-based, participative decision-making regarding the use of transgenic fishes and the capacity of a diversity of national regulatory frameworks in the peer-reviewed book, “Environmental Risk Assessment of Transgenic Fish”.
- Served as rapporteur and organized international conferences.

Norwegian University of Science and Technology (NTNU)

Trondheim, Norway

**Fulbright Fellow**

2002 – 2003

- Collaborated with senior aquatic scientists, fishery managers and aquaculture industry stakeholders to examine conservation and rehabilitation methods for Atlantic salmon in Norway and the United States.
- Represented Norway in the European Union – North Atlantic Trade Organization “Brussels” Seminar on international governance, diplomacy, and security in Luxembourg and Belgium.

University of Minnesota Twin Cities

St. Paul, Minnesota, USA

Department of Plant Pathology

1998 – 2000

**Assistant Scientist**

- Identified disease resistance genes in major agricultural crops using genome mapping tools, and co-authored a paper on this research.

## Education

*Doctor of Philosophy*

University of Minnesota, USA

Conservation Biology and Development Studies and Social Change Theory

2009

*Master of Science*

University of Minnesota, USA

Fisheries Science and Conservation Biology

2004

*Bachelor of Arts*

St. Olaf College, Minnesota, USA

Biology and Environmental Studies

1998

## Selected Awards

*J. Frances Allen Scholarship*, American Fisheries Society

2007

*Best Student Paper Award*, Minnesota Chapter of the American Fisheries Society

2007

*Outstanding Graduate Student Award*, Conservation Biology Graduate Program,  
University of Minnesota

2007

*MacArthur Foundation Graduate Fellowship*, MacArthur Foundation, Interdisciplinary  
Center for the Study of Global Change, University of Minnesota

2004-2007