

Annette Huber-Lee, Ph.D.
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Education and Training:

Institution	Major	Degree	Year
Cornell University	Agricultural Engineering	B.S.	1985
Massachusetts Institute of Technology	Civil Engineering	M.A.-M.S.	1987
Harvard University	Engineering Science	Ph.D.	1999

Research and Professional Experience:

- 2013-present **Senior Scientist**, Stockholm Environment Institute
 Project development using engineering and economic theories, optimization, and integrated nexus planning.
- 2011-2013 **Asia Centre Director**, Stockholm Environment Institute
 Directed and managed SEI's Asia Centre, with a focus on the Mekong countries (Thailand, Vietnam, Cambodia, Laos, Myanmar and China) and developing the capacity of regional partners to conduct and publish original research on sustainability, climate change, gender, water, energy and disaster risk reduction.
- 2010-2011 **Project Consultant** for the Independent Consult to Union of Concerned Scientists
 Led the research on the impacts of electricity generation on water across continental US.
- 2005-present **Co-Director** for the Water Economics Project
 Directed the development of hydrologic-economic models for Israel, Jordan and Palestine, in close collaboration with regional partners.
- 2010-2011 **Research Professor and Visiting Scholar**, Tufts University
 Classes included Systems Analysis and Integrated Water Resource Management
- 2006-2009 **Science Leader**, Challenge Program for Water and Food
 and **Research Fellow**, International Food Policy Research Institute
 Direct and oversee the quality of research for the program, with a focus on obtaining impact that improves the livelihoods of the poor in developing countries based in 9 major river basins that cover Africa, Asia, Middle East and Latin America. This role involved building teams across cultures, disciplines, age and gender differences to do more effective research to achieve development impacts in the CPWF river basins and beyond.
- 2001-2006 **Water Program Director and Senior Scientist**, Tellus Institute
 Directed overall water research, responsible for research program development, linkages with governmental agencies, international organizations, foundations and partner institutions.
- 1995-2001 **Technical Lead**, Harvard Water Project
 Led the technical work for the Harvard Middle East Water Project. Initiated and coordinated joint modelling and programming teams from the Palestinian National Authority, Jordan, Israel, the Netherlands and the United States
- 1994-1999 **Research and Teaching Fellow**, Harvard University

- 1992-1994 **Environmental Engineer**, U.S. Environmental Protection Agency
Managed research and analyses related to environmental and health risk assessments in the Office of Water, Office of Science and Technology.
- 1990-1992 **Water Resources Engineer**, United States Peace Corps
Wrote successful proposal and established work plans and budgets for integrated development projects for hill tribute villagers in association with the UNDP, UNICEF, and the Royal Thai government.
- 1987-1990 **Water Resources Engineer**, Camp, Dresser and McKee
Developed modeling applications in surface water quality and quantity in order to meet new state and federal guidelines in water supply/safe yield analysis and hydraulic studies.

Publications:

1. **Huber-Lee, A.**, Fisher, F., Joyce, B. Multi-Year Water Allocation System, software design. Ongoing project.
2. Averyt, K., J. Meldrum, P. Caldwell, G. Sun, S. McNulty, **A. Huber-Lee** and N. Madden. 2013. Sectoral contributions to surface water stress in the coterminous United States. *Environmental Research Letters* 8(3).
3. Dermawana, A., E. Kemp-Benedict, **A. Huber-Lee** and A. Fencl. 2012. Testing a multi-scale scenario approach for smallholder tree plantations in Indonesia and Vietnam. *Technological Forecasting and Social Change*. 80(4), 762-771.
4. Fisher, F. and **A. Huber-Lee**. 2011. "Sustainability, Efficient Water Management, and Conflict Resolution in Water." *The Whitehead Journal of Diplomacy and International Relations*, Volume XII, Number 1, Winter/Spring.
5. **Huber-Lee, A.** 2009. "Research for Impact." *Journal of Water Resources Planning and Management*.
6. Yates, D., Purkey, D., Sieber, J., **Huber-Lee, A.**, Galbraith, H., West, J. Herrod-Julius, S., Young, C., Joyce, B., Rayej, M. 2009. Climate driven water resources model of the Sacramento Basin, California. *Journal of Water Resources Planning and Management*, 135(5), 303-313.
7. Yates, D., Galbraith, H., Purkey, D., **Huber-Lee, A.**, Sieber, J., West, J., Herrod-Julius, S., Joyce, B. 2008. Climate warming, water storage, and Chinook salmon in California's Sacramento Valley. *Climate Change* 91(3/4), 335-350.
8. Purkey, D., **Huber-Lee, A.**, Yates, D., Hanemann, M., Herrod-Julius, S. (2007). Integrating a climate change assessment tool into stakeholder-driven water management decision-making processes in California. *Water Resources Management*, 21 (1): 315-329.
9. Fisher, F.M.; **Huber-Lee A.** 2006. Economics, water management, and conflict resolution in the Middle East and beyond. *Environment* 48(3): 26-41.
10. Fisher, F., **Huber-Lee, A.**, et al., 2005. *Liquid Assets: An Economic Approach for Water Management and Conflict Resolution in the Middle East and Beyond*. Resources for the Future, Washington D.C.

Synergistic Activities

1. Addressing the Climate Vulnerability of Africa's Infrastructure (2013-2014)
Strengthened the analytical base for investments in Africa's infrastructure under a future uncertain climate.

2. The Multi-Year Water Allocation System Model for the Palestinian Water Authority (2011-2013)
Developed a systems model that combined economic theory with engineering capabilities in order to maximize the benefits of water allocation across the various supplies and demands in the Palestinian West Bank.
3. Water and Energy in a Warming World Project (2009-2011)
Combined robust, policy relevant research and outreach to put the energy-water collision “on the map” for key US audiences and to identify and motivate effective low-carbon and low water energy solutions.
4. Challenge Program for Water and Food (2006-2009)
Directed and supervised the quality of research for the program, with a focus on obtaining impact that improves the livelihoods of the poor in developing countries. Based in nine major rivers basins in Africa, Asia, the Middle East and Latin America.
5. Beijing-Hebei Eco-Region Program: Providing Basis for Cooperation (2001-2004)
Let the Scenarios and WEAP development for the program to achieve good upstream-downstream cooperation on water-related environmental problems in the Beijing-Hebei eco-region. The central approach on which the project rested – scenarios = entails methods through which a common vision of a sustainable society is formulated.