

## Barbara A. B. Seiders, Ph.D.



Principal  
One Hundred Year Horizons  
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Dr. Seiders is currently indulging her passion for leadership and teamwork, dedicating full-time to her start up, One Hundred Year Horizons, as of 2012. Her goal at OHYH is to shape future practices of leadership. She seeks to develop and deliver leadership solutions that will stand the test of time -- through consulting, training, writing, and publishing. She is exploring urgently needed concepts in leadership: learning, practicing and teaching civil discourse; encouraging public and private accountability; moving beyond the idea of “survival of the fittest” in the workplace to the imperative of collaborative leadership; and encouraging the mindful use of language. As a foundation for her efforts, she is currently researching and writing a book on leadership principles in practice.

Dr. Seiders has over 25 years of experience in nuclear, chemical and biological nonproliferation, arms control, threat reduction and defense. Throughout her career, she has worked in domains that span the making and implementation of national and international security policies, and the science and technology that support those policies. Dr. Seiders has worked with the nation’s best and brightest scientists, engineers and mathematicians, helping to develop and deploy technology systems to better defend against nuclear explosive, radiological, chemical and biological threats. She has a demonstrated record of leadership, including serving as Science Advisor to Ambassador James Goodby, working with former Soviet President Mikhail Gorbachev on the Gorbachev Foundation Global Security Project, and as an expert consultant to former United Nations Secretary General Javier Perez de Cuellar on multiple occasions. While at the Arms Control and Disarmament Agency, Dr. Seiders served as a principal officer on delegations for chemical, biological, and nuclear testing negotiations, and in their backstopping groups in Washington. She was one of six experts who developed guidelines and procedures for use by the UN in investigations of allegations of use of chemical and biological warfare agents. She is responsible for resolution of technical issues in the Threshold Test Ban Treaty, codified in the treaty verification protocol language.

In addition to working in national security, Dr. Seiders has been delighted to support NASA in its search for life on other planets. She has participated in and led proposal review panels in NASA’s Astrobiology, Mars, and Planetary Instrumentation Definition and Development programs, resulting in selection of technology that has identified signs of water on Mars and on the moon.

An experienced public speaker, Barbara was a member of the Speakers Bureaus while at the Arms Control and Disarmament Agency and the Pacific Northwest National Laboratory. She has been featured in local, national and regional media, such as the History Channel, Seattle Post Intelligencer and NPR Morning Edition.

### **EDUCATION**

Dartmouth College, A.B. 1977, Chemistry  
Duke University, Ph.D. 1981, Theoretical Quantum Chemistry  
AAAS Science, Engineering and Diplomacy Fellow 1981–82  
MIT, Seminar XXI Fellow 1992-93