

## Arctic work summary

**Prof. Richard Steiner**

[www.oasis-earth.com](http://www.oasis-earth.com)

### *Arctic Experience*

First *University of Alaska* science faculty member stationed full-time in Arctic. Developed university marine extension program for Arctic Alaska, traveled extensively to Arctic coastal communities conducting marine educational programming. (1980-1982) [Continued serving on University of Alaska faculty as marine conservation professor until 2010, based in Prince William Sound and then Anchorage].

Conducted commercial fishery development in coastal villages of Alaska's Bering Sea and Chukchi Sea (1980-1990).

Participated in Arctic fish antifreeze protein research with University of California Davis biochemistry researchers, collecting Arctic fish blood serum samples; (1981-1982).

Worked extensively in Russian Far East/Siberia conducting community outreach/consultations, assessments, and workshops re: risks of oil development, collaboratively with Russian and U.S. NGOs, (1995-2005).

Co-principal investigator for first independent review of Sakhalin, Russia offshore oil environmental risk (1999).

Testified to Russian Duma (parliament) and presented lecture to Russian Academy of Sciences Economics Department (both in Moscow) re: macroeconomic policy and extractive resource revenues in Russia, in particular resource revenue savings funds (2001).

Served as International Technical Expert on two public "Expertiza" reviews for proposed Russia-China Pipeline in Siberia (2003); pipeline re-routed away from Lake Baikal due to our recommendations

Conducted oil spill prevention/response workshops for U.S. State Department in Gulf of Finland, (Russia, Finland, Estonia) (2003).

Co-founder/Facilitator, *Shipping Safety Partnership*, coalition of NGOs, Alaska Native groups, fishing organizations, etc. to enhance Arctic shipping safety (2004).

Served on IUCN/Shell Oil *Independent Scientific Review Panel* for Sea of Okhotsk, Sakhalin II offshore oil drilling project (2005).

Proposed to Alaska State Legislature the establishment of *Alaska Climate Impact Assessment Commission*, adopted unanimously by 2006 Legislature (2005).

Proposed to Alaska Governor the establishment of Alaska Office on Climate Change, in response to which the Governor established *Alaska Climate Change Sub-Cabinet* (2006-2007).

Proposed establishment of *Arctic Regional Citizens Advisory Council* (2007).

Organized, with US Coast Guard, Arctic sea ice-minimum (September) offshore reconnaissance C-130 over flights, with media, scientists, NGOs (2008, 2009).

Presented invited testimony to UK House of Commons *Protecting the Arctic* Committee (Sept. 2012).

Co-Principal Scientist on marine research cruise of *M/V Esperanza* in Norwegian Arctic, documenting marine mammal distribution and Barents Sea oil development issues (Aug. 2014).

Present *Imperiled Arctic* slide show/presentation at universities (2015, 2016).

Traveled thousands of miles in Arctic wilderness, hiking and river paddling, in Arctic Canada and Arctic Alaska (1978–present).

Provide advisory and consulting services globally, including Arctic, on oil spill prevention, response, damage assessment, restoration, and policy (1989-present).

Federal fisheries observer, Japanese factory ship in Bering Sea (1977).

Conducted hydrographic surveying off Alaska coast, aboard NOAA ship (1975).

### ***Selected Arctic Publications***

Steiner, Richard. 2015. Last Chance to Save Imperiled Arctic. *Huffington Post*, Mar. 24.

Steiner, Richard. 2015. The Arctic's big year – save it now, or be sorry later. *LA Times* opinion. March 17.

Steiner, Richard. 2015. Obama should designate Marine National Monuments in Alaska. *Huffington Post*, Jan. 2.

Vester, H., F. Matos, and R. Steiner. 2014. Environmental Risks of Offshore Oil Exploration in the Barents Sea. Technical Paper submitted to the Government of Norway, in support of Public Complaint, Sept. 4.

Steiner, Richard. 2014. New Offshore Oil Plan Could be 'Game Over' for Climate. *Huffington Post*, July 17.

Steiner, Richard. 2014. The True Cost of Our Oil Addiction, *Huffington Post*, Jan. 15.

Steiner, Rick. 2013. State needs to get serious about climate change response. *Anchorage Daily News*, December 11. *Nome Nugget*, December 7.

Steiner, Rick. 2013. Governor must engage in climate change response. *Alaska Journal of Commerce*, Oct. 3. *Nome Nugget*, Oct. 4. *Alaska Dispatch*, Oct. 6.

Steiner, Richard. 2013. Protecting Earth's final frontier – the deep sea. *Huffington Post*, June 1.

Steiner, Rick. 2012. Arctic shipping is a disaster waiting to happen. *Juneau Empire*, December 5; *Alaska Journal of Commerce*, Dec 6; *Arctic Sounder*, Dec. 7; *Dutch Harbor Fisherman & Bristol Bay Times*, Dec.7; *Anchorage Daily News*, Dec. 8; *The Ocean Foundation* blog, Dec.8. *Huffington Post*, Dec. 12. *Fairbanks News Miner*, Dec. 16.

Steiner, Richard. 2012. Climate science in lieu of climate action is unconscionable. *Huffington Post*. Nov. 12., *Mudflats*, Nov. 15; *Progressive Alaska*, Nov. 13.

Steiner, Rick. 2012. Shell's Arctic drill plan has too many holes. *Anchorage Daily News*, July 17. *Fairbanks Daily News Miner*, July 22.

Steiner, Richard. 2012. Threatened Arctic Deserves Protection. *Huffington Post*, July 5; *The Mudflats*, July 7.

Steiner, Richard. 2012. Dear Shell: Please be Honest About Risks from Your Arctic Ocean Oil Drilling this Summer. *Huffington Post*, May 21.

Steiner, Richard. 2012. Exxon Valdez oil spill a cautionary tale for Arctic Ocean drilling. *The Ocean Foundation*; *The Cordova Times*, March 22; *Huffington Post*, and *The Mudflats*, March 24.

Steiner, Rick. 2011. Why Arctic Ocean oil drilling is a risky choice. *The Ecologist* (UK), November.

Steiner, Rick. 2011. Greenland deserves better than Cairn oil spill plan. Commentary, in Greenland newspapers: *AG* and *Sermitsiaq*; in Denmark in *Politiken*. Translated in Greenlandic and Danish. September 21, September 23.

- Steiner, Rick. 2011. Review of Cairn Oil Spill Prevention and Contingency Plan, Exploration Drilling Programme, 2011 Greenland. *Greenpeace UK*. August 20.
- Steiner, Rick. 2011. Panel needed so public has say in Arctic oil issues. *Juneau Empire*. July 19; *Alaska Newspapers*, July 25; *Fairbanks News Miner*, July 31. *Anchorage Daily News*, August 2.
- Steiner, Rick. 2010. Risks to Arctic Ecosystems. *The Circle*. V.3, 2010. *Pushing the Boundaries – Arctic Oil and Gas*. WWF Global Arctic Programme. pp. 13 – 16. September.
- Steiner, Rick. 2010. Establishing Citizens' Advisory Councils in the U.S. Arctic and Gulf of Mexico. *Policy Matters*, V. 17, IUCN Commission on Environmental, Economic, and Social Policy. pp 92-95. October.
- IMO/UNEP 2009. IMO/UNEP Guidance Manual on the Assessment and Restoration of environmental damage following marine oil spills. *International Maritime Organization*, London, UK. 104 pp. ISBN: 978-92-807-3000-5. (Original author).
- Steiner, Rick. 2009. President Obama should reject last-minute arctic policy. *Anchorage Daily News*, January 20.
- Steiner, Rick. 2008. New Arctic Policy should wait for Obama. *Juneau Empire*, Monday, December 15.
- Steiner, Richard, 2008. Energy/Climate Security – 2050 Goal. *Policy Matters*, Issue 16, IUCN Commission on Environmental, Economic, and Social Policy. *Climate Change, Energy Change & Conservation*. pp. 218 – 220. October.
- Steiner, Rick. 2008. Chukchi Sea lease sale is a risky fix for our oil addiction. *Anchorage Daily News* commentary / *Compass*. Feb. 8. And posted on *Common Dreams*.
- Steiner, Rick. 2007. Get Aggressive with Climate Change. *Anchorage Daily News*. October, 9.
- Steiner, Rick. 2006. Offshore oil plan risky: Effort to open Alaska's seas to oil leasing needs scrutiny. *Juneau Empire*. *Arctic Sounder*, and *Dutch Harbor Fisherman*, Oct. 5, *Anchorage Daily News* Oct. 10.
- Steiner, Richard. 2006. In St. Petersburg, G8 summit will forecast our energy future. *Seattle P.I.* July 14.

Steiner, Richard, 2006. Oil, Environment, and Society: the New Paradigm. in Global Energy Security. Civil / G8 Forum of NGOs. Publication of Institute for Energy and Finance, Moscow, Russia. Translated in Russian.

Steiner, Rick. 2006. Alaska needs climate change commission. *Juneau Empire*, Feb. 15.

Steiner, Rick. 2005. Shipping safety can be improved. *Seattle Post Intelligencer (P.I.)*, Dec. 8.

Steiner, Richard. 2005. National Oil Spill Funds. (translated into Russian), in *Panda Times* insert to *Vedomosti* (leading Russian business magazine). Moscow. June, 2005.

IUCN, 2005. Impacts of Sakhalin II Phase 2 on Western North Pacific Gray Whales and Related Biodiversity. Report of the *Independent Scientific Review Panel* (14 panelists/authors) commissioned by Sakhalin Energy Investment Corporation (Shell) and convened by the World Conservation Union (IUCN). 130 pp. February 16.

Steiner, Richard. 2004. Gulf of Finland Oil Transport / Spill Issues: Summary and Recommendations from May 2004 Visit. Unpublished technical report circulated by U.S. State Department and Embassies in Gulf of Finland region. 6 pp, May.

Steiner, Rick. 2004. Exxon Lessons: Use Less, Spill Less; Commentary, *Anchorage Daily News*, March 24.

Steiner, Richard. 2003. Nothing virtual about global warming. Commentary, *Seattle P.I.*, December 19.

Steiner, Rick. 2003. Establishing a Bering Sea Regional Citizens Advisory Council (RCAC) for Public Oversight of Bering Sea Management. abstract / talk summary, in Conference Proceedings, *Sustaining the Bering Sea*, Girdwood AK, Pacific Environment. April, 2003.

Steiner, Rick. 2003. Alaska's waters need protection. Compass - opinion/editorial. *Anchorage Daily News*. Jan. 23.

Steiner, Rick. 2003. Critique of Environmental Assessment (Ovos) for Russia/China Pipeline: A contribution to Public Expertiza process. 14 pp., technical report for Irkutsk and Buryatia, Siberia " Expert Review Commissions" for project. Jan.

Steiner, Rick. 2001. Does Global Warming Really Matter? - Yes. *USA Today*, Forum column, July 19.

Steiner, Rick. 2001. Alaska's Warming Calls for Action. Compass/Commentary, *Anchorage Daily News*. June 6.

Steiner, Rick. 2001. Restructuring Oil Taxation Regimes to Maximize Public Benefit. Written and oral testimony to *Russian State (federal) Duma* parliamentary hearings "Macro-economic efficiency of alternative tax policies." Moscow, Russia. April 23.

Lawn, D., R. Steiner, and J. Wills. 1999. Sakhalin's Oil: Doing it Right—Applying Global Standards to Public Monitoring, Oil Spill Prevention, Response, and Liability Standards in the Sakhalin-Oblast of the Russian Federation. Technical Publication of *Sakhalin Environment Watch* and *Pacific Environment and Resources Center*, November 1999, 48 pp., translated in Russian, Japanese, and English.

***Arctic-related public television programs: Producer/Moderator of Alaska Resource Issues Forum:***

- 2001 Global Warming and Alaska: Causes, Effects, Responses
- 2000 Sharing the Sea—Alaska's CDQ Program
- 1999 The Future of Oil in America's Arctic
- 1997 Native Sovereignty in Alaska
- 1996 Trouble in the Bering Sea
- 1995 ANWR—Wilderness or Oil Reserve?
- 1992 Subsistence-Seeking Common Ground
- 1987 Marine Mammal Management
- 1987 Arctic National Wildlife Refuge

**2011 ALASKA LEGISLATIVE CITATION – HONORING PROFESSOR RICK STEINER**

The Twenty-Seventh Alaska State Legislature would like to recognize Professor Rick Steiner for his many years of outstanding public service to the University of Alaska and for the exceptional impact his work has had in Alaska, in the nation and around the world.

Professor Steiner has had an extraordinary career with the university spanning almost 30 years. His record includes more than 120 publications, some of which have reached millions of readers (such as his piece on global warming published in *USA Today* in 2001); dozens of statewide television programs as a producer/host on natural resource issues; as well as several prestigious awards.

Professor Steiner's work toward a constructive resolution of the Exxon Valdez Oil Spill is legendary. In the wake of the spill, Rick Steiner

was a leading voice for independent scientific analysis to determine damages and recovery strategies. He was also a strong proponent of public structures and processes to prevent future spills. More recently, he has been a key advisor on developing strategies to assess impacts and remedies to address the Deep Water Horizon disaster.

The United Kingdom's well-regarded Guardian newspaper described Professor Steiner as "one of the world's leading marine conservation scientists" as well as "one of the most respected and outspoken academics on the oil industry's environmental record."

Professor Steiner's global conservation work has been exceptional, in particular his work on conservation issues in high-risk, conflict zones around the world including: working in the Colombian Amazon, during a FARC offensive, traveling on the Amazon (with a team of heavily armed guards) to assist indigenous tribes with biodiversity conservation; working on behalf of government of Pakistan, at a very dangerous time, to establish and lead the first Natural Resource Damage Assessment (NRDA) program in a developing country; assisting Nigeria's Ministry of Environment to develop a program to mitigate 50 years of oil damages; and organizing an environmental damage assessment for the Government of Lebanon after the massive eastern Mediterranean oil spill.

The Twenty-Seventh Alaska State Legislature salutes Professor Rick Steiner for his many and significant contributions to independent scientific inquiry and for his strong commitment to promoting sound public policy decisions in Alaska and around the world.