

Horizon International



HORIZON International

Working to Improve Conditions Throughout the World



MISSION

**Horizon International's Mission Is To
Find and Advance Solutions
To Problems in the Areas of
The Environment, Health, Poverty Alleviation and Development**

**The organization is guided by its
Scientific Review Board and Special Advisers
hundreds of cooperating organizations and associates.**

Concerns Horizon Addresses Are Interconnected:

The Environment

Ways to preserve wildlife and endangered plants, reduce pollutants, reduce global climate change and acid rain, practice sustainable, non-toxic agriculture, among others.

Health

Ways to reduce malnutrition, TB, malaria, dengue, among other diseases, and sexually transmissible infections such as HIV/AIDS, and unwanted pregnancy.

Poverty Alleviation

Ways to reduce poverty and to meet educational and economic needs in ways that enable all forms of life to flourish

Development

Means to advance technological and methodological innovations for the betterment of the planet.

Method of Accomplishment

Horizon works with numerous collaborators and cooperating entities. Together with their help Horizon focuses on needs that it can most effectively address, prioritizing initiatives that are most pressing and that inform and inspire positive action.

Quality, Accuracy and Thoroughness

Results stand out as trusted coverage. This is made possible with the help of Horizon's Scientific Review Board and Special Advisers. *

The organization uses a variety of interrelated programs in order to maximize its effectiveness:

- I. **The Horizon Solutions Site** at www.solutions-site.org presents reviewed solutions to vital concerns in the areas of health, the environment, population, and poverty alleviation.
- II. **Horizon International's Television Programs** with solutions from around the world are available in segments at www.horizoninternationaltv.org.
- III. **The Horizon Magic Porthole Coral Reef** program is a multimedia and multifaceted informal science education program to help save coral reefs.
- IV. **The Horizon Associates Program** consists of interns, volunteers and research associates who work to find and advance solutions while themselves benefiting from academic and professional growth and the satisfaction of contributing to a better future.

Special Programs Developed with Horizon Associates:

- ▶ Butterfly Network, Assam, India
- ▶ Horizon-Peru

- V. **Conferences, Lectures, Consulting**
- VI. **Books and Other Publications**

* *Horizon's Scientific Review Board and Special Advisers who suggest initiatives and screen for applicability and feasibility are listed below.*

Saving the Vicuña



Horizon's TV production team lead by Janine Selendy captured evidence on film to argue for the live capture and shearing of vicuña rather than allowing them to be killed for meat.

The film, *Saving the Vicuña*, was presented at the CITES Conference in Ottawa, Canada, at the request of the government of Peru, IUCN and WWF-International.

The presentation helped bring about the decision to forbid killing vicuña and to allow them to be sheared for their valuable wool. Since then, people of the Altiplano work to protect, capture and shear the vicuña.

They are paid from the proceeds of the wool sales, money that has transformed many lives with improvements in their health, education and economic well-being.

A case study on the preservation effort is on the Horizon Solutions Site: [Sustaining vicuña populations through community involvement](#).

Loro Piana, an Italian company, has in an agreement with the Peruvian government since 1994 to use the vicuña fleece.

A recent article in *National Geographic Magazine* estimates the vicuña in Peru now number 150,000.

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The Horizon Solutions Site

www.solutions-site.org

The Solutions Site is a collaborative program developed with UN Development Programme (UNDP), UN Environment Programme (UNEP), UN Population Fund (UNFPA), UNICEF, the International Development Research Centre (IDRC) of Canada, Yale University and Horizon's colleagues at Harvard.

The site was launched at the United Nations in 1999.

Successful initiatives presented on the Solutions Site have been carefully selected and reviewed prior to its publication by one or more members of the Horizon Scientific Review Board or other experts.

The Site has 431 case studies, articles, exhibits.

The Solutions Site provides the knowledge of how an initiative was successfully brought about, encourages replication in whole or in part, and fosters the development of new ones. The Solutions Site also provides screened links with descriptions to 1,100 Web sites for research.

- ▶ The examples presented on the Solutions Site inspire action and provide knowledge for establishment of new projects and improvements of existing ones.
- ▶ By presenting examples of what has been proven effective to solve problems, the Solutions Site also encourages policy changes to strengthen support of successful programs and to support new projects.

Articles, Case Studies and Exhibits on the Horizon Solutions Site are readily searched and summarized in Headlines.

The following are examples of summaries from a few of the categories that include: Agriculture, Air Pollution, Biodiversity, Desertification, Energy, the Environment, Global Climate Change, Human Rights, Industry, Population, Poverty, Public Health, Sustainable Development, Transportation, Waste Management, and Water.



[Svalbard Global Seed Vault in the Arctic Opens Doors for 100 Million Seeds from 100 Countries](#)

The Global Seed Vault established in the permafrost in the mountains of Svalbard opened on February 26, 2008 on a remote island in the Arctic Circle. Built near the village of Longyearbyen on the island of Spitsbergen, the vault at its inception contains 268,000 distinct samples of seeds - each one originating from a different farm or field in the world.

Longyearby Photo by Stein Arne Nistad, Gazette



Inside the Seed Vault

Gene bank staff checking accession numbers as they are packed in shipment boxes at the International Institute of Tropical Agriculture in Nigeria (IITA).



[Concentrating Solar Power Plant in Spain and Powerful Solar Power Plant in Portugal Combat Climate Change](#)

"...new technologies give Europe a new option to combat climate change and increase energy security while strengthening the competitiveness of the European industrial sector and creating jobs and growth," said Energy Commissioner Andris Piebalgs.

[OpenmindProjects of Southeast Asia: "Learning for Life, Nature and Future"](#)

OpenmindProjects(OMP)conceived in 2001 from an idea to bring Information and Communication Technology (ICT) to where it was most needed advances its objectives with the help of new technology. OMP combines local vision, participation and empowerment. It prioritizes protection of natural resources and dissemination of this message across Southeast Asia with projects in Thailand, Laos, Cambodia and Nepal.



[World's National Parks and Protected Areas Now OnLine for Everyone](#)

A new online database that will allow scientists to arm-chair environmentalists monitor the world's national parks and protected areas was launched on 6 October, 2008, at the 5th World Conservation Congress in Barcelona.

The product, a partnership between the United Nations Environment Programme's World Conservation Monitoring Centre (UNEP-WCMC) and the International Union for the Conservation of Nature (IUCN), also allows users to zoom in, fly over and explore over 100,000 sites via Google Earth.



[New Migratory Species Agreement to Conserve Small Whales, Dolphins and Manatees in Western Africa and Macaronesia](#)

A new Memorandum of Understanding to conserve the West African Manatee and Small Whales in Western Africa and Macaronesia was concluded in Lomé, Togo, under the auspices of UNEP's Convention on Migratory Species (CMS) on October 7, 2008. More than 30 small cetacean species will be covered in the agreement area that stretches from Macaronesia, through Morocco to South Africa.



Photo of Bottlenose Dolphin by Charlie Phillips



[Key Pollinators for Food Security and Biodiversity To Be Protected By \\$27 Million Global Environment Facility Project](#)

A new project worth \$26.45 million has been launched by the Global Environment Facility to better protect bees, bats and birds that are essential to the world's crop production.



[Wild Dolphin Project Contributes to Understanding of Atlantic Spotted and Bottlenose Dolphins](#)

The Wild Dolphin Project learns about the life histories, behaviors, social structure and communication systems of the Atlantic spotted dolphin, revealing a great deal of information about these complex social mammals.

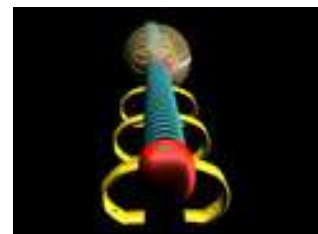
[Small Ecuadorian Clean Water Project Improves Health in Village](#)

Agua Muisne constructed its first water treatment system in 2007 in Ecuador. It now uses water from a covered and protected well that is connected to an electric pump that sends the water through two filters and into a concrete cistern where the water is chlorinated to kill the bacteria.



[Nature's 100 Best Initiative Publishes Preliminary Findings On How to Green](#)

Commercially-promising advances inventions, innovations and ideas inspired by the natural world are at the centre of a new collaborative initiative called Nature's 100 Best. A super-small pacemaker modeled on the wiring of the humpback whale's heart and pigment-free color coatings from the light-splitting structures of a peacock's feather are among a range of extraordinary new eco-breakthroughs emerging from mimicking nature.



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Television Productions



Quality, accuracy and thoroughness are the hallmarks of every Horizon production and make the programs stand out as trusted coverage.

This commitment to excellence is made possible with the help of [Horizon's Scientific Review Board](#) and other advisers who carefully evaluate ideas and review scripts.

Hosted and narrated by Lynn Redgrave, Sam Waterston, Rasmane Raso Ouedraogo, in picture at left, Johan Forssblad, Alfred Thorwarth and others, **One Second Before Sunrise** brings to audiences exciting stories of promising solutions to the world's most pressing problems.

The programs cover the environment, preserving wildlife and endangered plants, reducing pollutants, reducing global climate change and acid rain, practicing sustainable, non-toxic agriculture; health, finding ways to reduce malnutrition, TB, malaria, dengue, and sexually transmissible infections such as HIV/AIDS, and unwanted pregnancy; and, development, finding means to meet economic needs with least harm to our planet and advancing technological innovations for the betterment of the planet.

Horizon chooses ideas and initiatives that both entertain and inspire positive action.

Broadcasters & Distributors

Broadcast in more than a hundred countries in fifteen languages **One Second Before Sunrise** has broad appeal, capturing the interest of diverse viewers of all ages with its entertaining approach.

In the United States, **One Second Before Sunrise** captured the position of one of seven natural history programs in a year chosen for nationwide broadcast on PBS.

Horizon's Television Programs Available on www.horizoninternationaltv.org:

One Second Before Sunrise Television Programs

One Second Before Sunrise: Program I:

A One-Hour Program with Five Stories

Hosted and Narrated by Lynn Redgrave

Co-produced in part with WDR (Westdeutscher Rundfunk) TV, Germany;

Part 1: Wave-Powered Desalination:

Striving to help meet the desperate need for fresh water for millions of people in coastal regions throughout the world, Dr. Michael Pleass and his colleagues invented low-cost, self-contained desalination devices that can be installed and maintained by local, trained individuals.

Part 2. Organic Farming in the South Bronx:

In one of America's toughest urban neighborhoods, Gary Waldron, an IBM executive, started GLIE Farms, an organic greenhouse and herb farm near his childhood home in the South Bronx, New York. Setting an example by organically growing lucrative fresh herbs while creating jobs for more than 120 people, the farm exemplifies the spirit of enterprise in a neighborhood on the brink of losing hope.

Part 3: Wildflower Seed Bank:

To save endangered wildflowers until their native habitat is assured of preservation or restoration, Dr. Harold Koopowitz, Director of the University of California Arboretum at Irvine, started the first cryogenic seed bank in North America. He has saved more than 150 species, many of which may have medicinal benefits, and established a plant preservation model for arboreta and botanical gardens.

Part 4: Preserving Holland's Tidal Ecology:

Concerned that a conventional dike would destroy the tidal ecology on the Eastern Scheldt Delta of the Netherlands by creating a barrier between salt and fresh water, fishermen, environmentalists, five members of parliament, and other citizens mounted a campaign to create a "dike with doors," which remains open except when floods threaten the land.

Part 5: Fish Farming in Amazonia:

Slash and burn agriculture in Amazonia causes massive damage to the environment, locally and globally, while tragically not meeting local needs for food and economic development. Using pigs and ducks for integrated fish farming, Dr. Juan Guevera found a solution that eliminates the need for grain to feed the fish while providing families with both income and nutritious food without damaging the rain forest.

One Second Before Sunrise Program II:

A One-Hour Program with Two Stories

Host and Narrator: Lynn Redgrave,

Sweden Co-Host: Johan Forssblad

Part 1: Cooperating for Clean Air:

A co-production with SVTV2, Swedish Television, Produced with the assistance of Polish Television.

Remarkable efforts of pollution control and energy efficiency from a power plant clean enough to be in the heart of Stockholm to solar villages near the Arctic Circle are highlighted, serving as examples for factories and homes. The story features Christer Ågren, a biology teacher who led Sweden's campaign against acid precipitation and global climate change for more than 15 years.

Part 2: Spiders Help Farmers Grow Safer Crops:

**A co-production with Hei Long Jiang Television,
People's Republic of China**

This program takes you from Harbin in northern China to Wuhan on the Yangzi River and into the San Joaquin Valley in California. Dr. Zhao Jing Zhao's innovative use of spiders to control cotton pests in the People's Republic of China demonstrates the significant role of integrated pest management as a means to reduce the use of harmful chemicals while increasing agricultural productivity. Cotton growers in Hubei have increased their yields while reducing the use of pesticides by 70-90%.

Spiders are protecting cotton against predators in the fields of Wuhan, while delicate green lacewings are protecting cotton in the fields of California.



Horizon production crew with Hei Long Jiang crew and friends.

One Second Before Sunrise: Program III

Spirited Changes in Mexico

A One-Hour Program

Host: Lynn Redgrave;

Narrator: Sam Waterston

Produced in cooperation with XEIPN Canal 11 television of Mexico.

People from Chiapas to Juarez are finding ways to address concerns about population, economic development, and the environment -- not as separate issues, but as threads which, woven

together, improve the quality of life. FEMAP and other NGO's and government efforts are advancing health care and sex education, working to improve the conditions of Lake Chapala, advancing non-polluting methods to dry bricks, and helping girls and women increase their education and find jobs.

**One Second Before Sunrise: Program IV:
Burkina-be: People with a Future
A One-Hour Program**

**Host and English Narrator Lynn Redgrave
Host and French Narrator Rasmane Raso Ouedraogo**

Women, men and children in Burkina Faso are working together to curb desertification, reforest the land, increase education and economic opportunities for girls and women, and reduce population growth. People mobilizing for change are bringing about a better way of life.

This program was produced for and funded by UNFPA



Educational and Other Additional distribution:

Horizon's distributors have included the International Broadcast Network of the United Kingdom and United States, and Bullfrog Films, former educational distributor of One Second Before Sunrise Programs I and II in the United States.

Horizon's Programs have been shown at many venues including:

Special Viewings:

- Horizon Solutions featuring excerpts from 10 of Horizon's TV programs shown for two weeks at a special exhibit for the Horizon Solutions Site in the main Visitors' Hall of the United Nations.
- Horizon Solutions shown by WETV at EXPO 2000, Germany, and across Europe on Astravision.
- Horizon Solutions excerpts, broadcast as PSAs in Europe.
- An Introduction to One Second Before Sunrise produced for the 15th Anniversary of UNEP was shown at their Anniversary celebrations in Nairobi, Kenya 1987.

- Horizon-Peru has shown Horizon's programs, in Spanish, in conferences, universities and organization meetings in Peru and the region.
- United Nations Conference on Population and Development, Cairo, Egypt
- United Nations Conference on Environment and Development, Rio de Janeiro
- United Nations Women's Conference, Beijing, China

Additional Television coverage:

- Featured on two ABC-TELEVISION, USA television programs with excerpts from the programs: one with Horizon host Lynn Redgrave.
- Featured on WNYC "Solstice: The Day the Sun Stood Still" produced by Charlie Morrow, with Horizon host Lynn Redgrave.

Festivals

- First US International Environmental Film Festival
- Labrador Film Festival
- United Nations Conference on Environment and Development (Earth Summit)
- United Nations Fourth International Conference on Women
- The Waterwalker Film and Video Festival

Reviews

"There is much to learn and see in this first-rate hour hosted knowledgeably on location by Lynn Redgrave ... Ms. Redgrave's lively comments and sincere curiosity make this show a standout." (King Features Syndicate)

"[The Series shows how] individuals worldwide implement ideas to improve their environments and economies." (New York Times)

"...upbeat and well-written..." (Moving Pictures Bulletin)

"...well-edited, beautifully photographed... with positive approaches to improving the environment." (Booklist)

"...an excellent and thought-provoking series about how individuals are making contributions to the future. Highly recommended." (Video Librarian).

"[The Series] would be an excellent addition to any junior high, high school, college or adult library collection. Highly recommended." **** (Video Rating Guide for Libraries)

Horizon International's programs are available in low resolution at www.horizoninternationaltv.org to view and to download for personal or organizational viewing as a public service.



Shea Butter Production Advanced by Horizon:

An example of how the organization uses a variety of interrelated programs in order to maximize its effectiveness.



Shea butter production is featured in peer-reviewed case studies on the Horizon Solutions Site and in Horizon's one-hour TV program *Burkina-be: People with a Future* produced for and funded by UNFPA.



Horizon was attributed by UNDP as advancing the production of and use of shea butter, thereby helping increase incomes, training for new jobs and new skills and advance related programs for educational and health. By so doing, the increased awareness of the value of the karite (shea butter) trees results in protection of the trees.



TV Excerpt: In the Sahelian countries, the semi-arid regions of Sub-Saharan Africa, severe deforestation and desertification are taking a great toll in loss of natural resources, livelihoods and health, and there are few socially acceptable activities where women can earn their own money.



The manual extraction of karite (shea) butter is one of the few.

Shea butter case studies on the Horizon Solutions Site are:

Research and development of the shea tree and its products:

Research by the Cocoa Research Institute of Ghana (CRIG) into the cultivation and processing of shea nuts as an alternative to cocoa products.

The Songtaaba Women's Group:

The Songtaaba Women's Group has been transforming one of the few economic assets in Sahelian Africa controlled by women — karite butter — from a less-than-subsistence, informal-sector activity into a formalized and systematized cottage industry capable of generating not only dramatically increased incomes, but also new jobs, new skills and opportunities, and the organizational training for further expansion of women into the formal economic activities. The Songtaaba Women's Group, is headed by its founder, Marcelline Ouédraogo. The name Songtaaba, in the Moore language, means "to help one another."

Magic Porthole



Discovery
is at the heart of the Magic Porthole
experience.

Games, Prizes, Collectible Cards, Playing Cards, Videos, DVDs, a TV series,
Books, Scientific Resources, Contests.

Corals and coral reefs have always spoken to the imagination. Their fascinating shapes and forms have been created by small animals.

No animal species has come close to erecting buildings as immense as the structures made by the tiny coral animals. The Australian Great Barrier Reef the largest structure ever made by living organisms, about 2000 by 140 kilometers, 120 meters high is visible from the moon.

As Coral reefs are destroyed fish that are a part of people's everyday diet are being lost.

Magic Porthole takes you into the fascinating, fragile world of coral reefs, into the lives of frogfish, seahorses, sharks, and other fascinating creatures.



© Horizon International



*Grouper George, Boxing Barry (boxing crab), the Wise Old Emperor Fish, Coco Clown (clownfish) and Moray Melanie (eel). **



Creatures of the reefs each see life from different perspectives



American Library Association Selected
www.magicporthole.org
A "Great Web Site for Kids"

"Magic Porthole: Discoveries in Coral Reefs, TV Series Preview of Footage Filmed in Bonaire," an eight minute video produced by Horizon International is one of the videos featured at www.magicporthole.org.



Magic Porthole Coral Reef Playing Cards with 52 images of coral reef creatures are used in educational programs and sold by museums, aquaria, and sold on the Magic Porthole Web site. One deck of cards, a memory game, can be seen and played on the site.



** Sacha Meret artistically rendered these creatures chosen by experts with input on learning role models from Linda Jarvin, Ph.D., Deputy Director at PACE (Psychology of Ability, Competencies, and Expertise Center) at Tufts U. (formerly at Yale), and a member of the Magic Porthole Advisory Board.*

Contests

Your or your organization's efforts to help save coral reefs may lead to a prize and a chance to encourage others through your example.

See **Magic Porthole Announcement** of the first contest winners.



The Goby warns the shrimp, who is almost blind, of impending danger by vibrating his tail or dorsal fin. The shrimp escapes into their burrow.

Why do they live together in the same hole in the sand?

How do they work together to avoid predators?

How do they get their food?

Challenge your imagination with the mysteries and wonders of reef life.



The individual polyps of soft corals, or Gorgonia, grow in a kind of "communal skin" that gives the colony its structure like a small tree.

Collaborators include Birch Aquarium at Scripps Institution of Oceanography, Museum of Science- Boston, NOAA National Ocean Service (NOS), Field Museum, International Year of the Reef, Wild Dolphin Project, Reef Check, and Ocean Outreach, among others.



Photographs by Jan C. Post, Capt. Tim Taylor, NOAA and Others



Photoblepharons cultivate bacteria their eye pouch that emits light to attract prey and to communicate by signal languages.

Magic Porthole Advisory Board

Walter H. Adey, Ph.D., Director, Marine Systems Laboratory,
Smithsonian Institution;

Alexandra Consteau, Co-Founder, EarthEcho;

Gordon Cragg, Ph.D., former Chief, Natural Products
Branch, National Cancer Institute;

Sylvia A. Earle, Ph.D., founder of Deep Ocean Engineering;

David Ellis, Ph.D., former Director, Boston Museum
of Science;

William Fenical, Ph.D., Director, Center for Marine
Biotechnology and Biomedicine, Scripps Institution
of Oceanography;

David Gelernter, Professor, Computer Science, Yale U;

Peter R. Haje, former General Counsel and Executive Vice
President Time-Warner;

Carl-Gustaf Lundin, Head, IUCN Global Marine
Programme;

Gus Speth, Dean, Yale Forestry and Environmental Studies.

Numerous youth are advisors.

**Magic Porthole is Horizon
International's informal
science education program.**

Special Thanks: The Magic Porthole program has thus far been made possible by a Planning Grant from The National Science Foundation, supporters for filming in Bonaire, Peter and Helen Haje, other individuals, foundations and contributions of talent and services.



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Visit Horizon's other sites: www.solutions-site.org, www.horizoninternationaltv.org



Associates Program

Horizon Associates, consisting of interns, volunteers and research fellows, help to find and share knowledge of successful initiatives through the Horizon Solutions Site and local conferences, lectures and other avenues including local Horizon entities.

Associates' assignments are personalized in order to help them to more fully realize their own potential while realizing tangible results in their work to benefit others.

For example:

Horizon-Peru



Walter Castro at the American Museum of Natural History in New York posing in front of a Peruvian condor.

Raul Farfan and Walter Castro along with over 100 volunteers and support from universities helped to build Horizon's presence in Peru by establishing forming Horizon-Peru as a non-profit. The organization involves local volunteers, holds education events in schools and universities, and conferences involving local, national and international NGOs and government entities.

Walter Castro was an undergraduate when he started with Horizon, built on his academic career with the help of his Horizon Internship experiences receiving a Ford Foundation Fellowship to enable him to complete advanced degrees at universities in the Netherlands, and is now completing his PhD dissertation.

Germán Espejo Sevillano
is President-Elect.
Red Ambientalla La Libertad



Horizon-Peru Staff



Photo of White Dragontail Butterfly by Barau Maan

Barau Maan, of Assam, India, a Horizon intern who started a Butterfly Network with Horizon's assistance, is now completing his PhD at Oxford. During the past year, The Butterfly Network a project for which Jim Miller of the American Museum of Natural History is an adviser, received a full scholarship to Oxford for this fall.

Asimalowo A. A. , PhD (Abdullahi) of Nigeria wrote: "I enrolled for a MPH degree, this fall at Tulane University in New Orleans, LA, and would be here for at least a year. The experiences of working with you [Horizon International] in Nigeria opened me up to the desire to gain more knowledge in other specialties, especially, anthropology and environmental health. It took six years to get the desire into action. I owe you a lot of gratitude for letting me volunteer for the Horizon Communications, more so for the knowledge and skills that I gained as an intern. The first few weeks of my public health class, has proven that the decision is indeed worthwhile."



Adedoyin Onasanya of Nigeria - Horizon International (USA)

UN On-Line Volunteer, winner of one of ten best volunteers. The UN description reads:

Adedoyin volunteered on-site with a development organization in his home country Nigeria, but was also looking for some engagement with a more global reach. He started to write, as an online volunteer, for the HORIZON Solutions website [<http://www.solutions-site.org>], a site publishing best practices in development.

He published a case study of best practices of the Nigerian organization he volunteered with on-site, adaptations of case studies for the kids' section of the HORIZON Solutions site, and discussion pieces for kids [<http://www.solutions-site.org/kids>].

Adedoyin's peer-reviewed case study is under Population: [Action Health Incorporated](#) Action Health Incorporated serves as a catalyst for change in the present poor status of adolescents' well-being by increasing public awareness and implementing innovative

education, healthcare and youth development programmes.

Beyond his initial writing assignment, he helped Horizon to build contacts with Nigerian development and media organizations.

Out of his own motivation, he started an online discussion group for Nigerian development practitioners, to make relevant best practices stories from the Horizon Solutions website available to those Nigerians that have only access to email.

Also, he suggested Horizon to participate in the Stockholm Challenge Award for innovative uses of Information and Communication Technologies (ICTs) for society; and Horizon was one of the award finalists....

Based on his achievements as an online volunteer, Janine Selendy of Horizon supported his applications to US universities to pursue a Masters degree. Adedoyin is now a graduate student of International Development at the University of Denver, US.

Adeoyin wrote: "I spend many hours (up to 300 total) on my efforts with Horizon, so much that my family has asked if I was being paid... My answer is that the fulfillment I get knowing that my efforts are helping to improve the lives of people around the world is worth more than any financial reward could give."

Representative Conferences, Symposia and Lectures

2000 Yale University School of Medicine Department of Epidemiology and Public Health and Pfizer Pharmaceutical Company Seminar on Health Literacy, Participant: in Washington. DC.

2000 Yale University School of Forestry and Environmental Studies, Panel Member and Speaker: "Careers in Sustainable Development and Conservation."

1999 Africa, Caribbean, Pacific-Lomé, Participant: in Strasbourg, France:

1999 United Nations Event and 2-week Exhibit, "Information Technologies- Access to Solutions for Sustainable Human Development" to launch the Horizon Solutions Site, hosted by UNDP Administrator, James Gustave Speth.

1999 Yale Center for International and Area Studies (YCIAS), Information Technology Forum: On using the internet in creative ways for international work with the Horizon Solutions Site as an example.

1999 New England Aquarium: Summit on over consumption in the US for exhibit.

1997 World Bank, Fifth Annual Conference on Environmentally and Socially Sustainable Development: Coral Reefs: Challenges and Opportunities for Sustainable Management, Washington, D.C., **Panel Member and Speaker:** On *Marine Information Management and Environmental Education*.

1997 American Museum of Natural History, Consultant: Exhibit entitled *Epidemic!*

1994 Prep-com Session of the ICPD at the United Nations, Initiated and Co-Chaired with Dr. Fred Sai, Chair of ICPD, on *Populations Projects that Work and Why*, and published results.

1994 United Nations International Conference on Population and Development (ICPD), Cairo, Egypt, Accredited Participant: Spoke on integrated population initiatives in Mexico with slides from production of Horizon's TV program *Spirited Changes in Mexico*.

1993- The World Bank, Consultant: Subjects include population initiatives, poverty alleviation and the environment.

1993 National Academy of Science and Rockefeller Foundation Population Symposium, Participant.

1992 United Nations International Conference on Environment and Development (The Earth Summit), Rio De Janeiro, Brazil, Accredited participant.

1991 World Health Organization, Consultant: Prepared a plan of action for local outreach programs for Sub-Saharan Africa.

1991 Government of Pakistan and USAID, Karachi, Pakistan, Consultant and Speaker for ministerial meeting: On seeking solutions to environmental and environmental health problems and on wider application of halophytes. Also, **Consultant** for select group of country leaders: credited with helping the establishment of a National Environmental Protection Agency.

1991 Harvard-Yale-Horizon Problem Solving Program to promote wise use of the global environment, Selendy conceived the idea with Horizon's Advisers and Co-Chaired the Agenda setting meeting held at Harvard with Nay Htun, a member of the Horizon Scientific Review Board and a principal director of the International Conference on Environment and Development (Earth Summit) in Rio De Janeiro, Brazil. The thirty participants included 20 members of the Horizon Scientific Review Board. The Proceedings were used by Nay Htun and Maurice Strong, Director of the Earth Summit, and other members of the organizing committee and for the creation of Horizon Solutions Site and Horizon Associates Program.

Scientific Review Board and Special Advisers

Walter Adey, Ph.D., Director *Marine Systems Laboratory Smithsonian Institution*

Peter S. Ashton, Ph.D., Professor Emeritus *Dendrology, Harvard University Harvard Arboretum*

Michele Barry, M.D., Director, International Health Program *Yale School of Medicine*

Kwesi Botchwey, LL.D., Professor, *Practice of Development Economics, Fletcher School Tufts U.*

Eco. Antonio Brack, Adviser, *United Nations Development Program (PNUD) Peru*

Rita R. Colwell, Ph.D., Distinguished Professor, *UMD, and Johns Hopkins University Bloomberg School of Public Health, Chairman, Canon U. S. Life Sciences*

Gordon Cragg, Ph.D., Former Chief *Natural Products Branch, National Cancer Institute*

Sylvia Earle, Ph.D., Explorer in Residence *National Geographic Society*

David Ellis, Ph.D., Former Director *Museum of Science, Boston*

Paul R. Epstein, M.D., M.P.H., Associate Director *Center for Health and the Global Environment, Harvard Medical School*

William Fenical, Ph.D., Director, *Center for Marine Biotechnology and Biomedicine Scripps Institution of Oceanography*

David Gelernter, Professor *Computer Science, Yale U.*

Peter R. Haje, former General Counsel and Executive Vice President *Time-Warner*

David G. Hawkins, J.D., Senior Staff Attorney *Natural Resources Defense Council*

Stephen P. Hubbell, Ph.D., Chairman *Professor of Botany, University of Georgia*

Linda Jarvin, Ph.D., Deputy Director *PACE Center Tufts U., Research Affiliate Yale Child Study Center*

Kwi-Gon Kim, Ph.D., Professor *Environmental Planning and Landscape Architecture, Seoul National U.*

Dieter Koch-Weser, Ph.D., Former Chair *Department of Preventive and Social Medicine, Harvard University*

Maritta R. V. Bieberstein Koch-Weser Former Director General, *IUCN, President Earth3000, CEO, GEXSI*

Robert Lawrence, M. D., MPH Professor, Former Associate Dean for Professional Education *Johns Hopkins Bloomberg School of Public Health*

Barry S. Levy, M.D., M.P.H. *Barry S. Levy Associates*

Thomas E. Lovejoy, Ph.D., President *H. John Heinz III Center for Science, Economics and Environment*

Carl G. Lundin, Fil. Lic., Head *Global Marine Programme, IUCN*

Michael Merson, M.D., Director *Duke Global Health Institute*

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