



# en breve



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## ECUADOR: FOSTERING ENVIRONMENTALLY SUSTAINABLE TOURISM AND SMALL BUSINESS INNOVATION AND GROWTH IN THE GALAPAGOS

*Jose Valdivieso, Bob Toth, James Hanna and Juan Quintero*

Well-managed tourism can be an important contributor to sustainable development, providing incentives to protect the environment and maintain biodiversity, and fostering small business development. A recently completed subcomponent of Ecuador's International Trade and Integration Project<sup>1</sup>, supported by a World Bank Loan, demonstrates this win-win situation.

### Tourism in the Galapagos – pressures on the environment

Tourism is the fourth largest industry in Ecuador. In 2001, it generated more than \$430 million dollars and employed more than 72,000 people in formal tourism enterprises. The 630,000 foreign tourists that year accounted for roughly 9 percent of Ecuador's earnings from exported goods and services and 4.2 percent of the nation's Gross Domestic Product. Ecuador's most popular tourist destination is the Galapagos Islands, and 11 percent of tourism income and 14 percent of the sector's employment are directly related to the nearly 70,000 tourists who visit every year to admire the rich and rare biodiversity of these unique island ecosystems.

As tourism pressure in the Galapagos has increased, government agencies, conservationists, and the tourism sector have

recognized the need to implement management practices that would address environmental and conservation challenges facing the islands' vibrant but fragile ecosystems as well as support local economic development. Factors that

precipitated this recognition include the national and international importance of the Galapagos and increasing demands from tourists for environmentally friendly service. A particularly challenging problem is the serious threat posed by the introduction and spread of non-native plants and animals, or "invasive species," which endanger native flora and fauna through direct predation, competition for food, and habitat destruction. Tourists and their transportation are the major carriers of invasive species.



**The Galapagos Islands attract over 70,000 visitors each year**

### Voluntary Environmental Quality Standards Certification For Tour Vessels

Specialists working to address these problems developed a strategy that focused on the tourists and the 60 currently active tour boats that shuttle people from island to island (see Table 1). Voluntary standards were established to minimize environmental impact by applying rigorous conservation practices to the boats and requiring the boats to sensitize their clients to the need for environmentally appropriate behavior (see Box 1). Tour boats that demonstrate compliance with the standards are certified. Certification enables tour-

ists, their travel agents, and tour operators (foreign wholesalers and packagers) to make informed, “green” choices among the tour boats. Conservación y Desarrollo (C&D)<sup>2</sup> and the Rainforest Alliance (RA)<sup>3</sup> were engaged to implement this strategy. C&D is an Ecuadorian NGO that specializes in conservation and environmental programs. RA is an international non-profit conservation organization that works to protect ecosystems by implementing better business practices. C&D and RA have worked together in Ecuador also on the certification of banana and cacao plantations.

**Table 1 - Galapagos Tour Vessels, by Size**

Size	Number of Passengers	Number of Vessels
Large	40 - 100	10
Medium	21 - 40	2
Small	Less than 21	48
Source: Ministry of Tourism		

Representatives of all stakeholders, including government agencies, conservationists, and local communities participated in developing the “SmartVoyager” standards. The International Galapagos Tour Operators Association — 33 North American travel wholesalers that provide most of the package tours to the islands — made significant inputs to the standards and pledged to support the certification program. The wide range of stakeholders expanded the scope of the standards development effort beyond conservation and biodiversity to include safety and health, socioeconomic welfare, and quality of life of the crews, their families, and the Galapagos Island Community — all of the elements of a comprehensive and sustainable tourism program.

### SmartVoyager and the International Trade Project in Action



SmartVoyager certification was launched in May 2000 and, in its first year, five boats were certified after assessment by C&D auditors. The largest boat carries 100 passengers, one is midsize (48), and the other three are small (20 each). Most small boat operators showed little

interest at first in becoming certified. Small boats are usually individually owned and family operated. As with most small enterprises, they have limited funds for upgrading equipment and little interest in changing procedures. The perception was that SmartVoyager standards were complex and rigorous, and that while certification might be worthwhile for large firms, it was neither achievable nor affordable for small, family-owned operations. In addition, small

boat operators have faced a decline in tourism since 9-11-2000.

With support from the World Bank-financed International Trade and Integration Project, C&D and RA were able to test the applicability of the SmartVoyager standards to small boats. Through an intensive outreach effort, small boat operators were made aware of the challenges and opportunities afforded by SmartVoyager certification and how they could participate in reviewing the standards. A cross-section of small boat operators determined that 93 percent of the original requirements are applicable to all boats regardless of size. The remaining 7 percent did not apply mainly due to differences in the way large and small operators purchase and store supplies, and availability of space for desalination systems and holding tanks. These standards were then revised so that they could be applied to small boats.

This outreach effort enabled the small boat operators to learn what the standards required; how to comply with the requirements; and, most importantly, why the requirements were included in the standards. After this training and motivation, a number of boat operators began to implement practices specified in the standards. C&D auditors assessed 34 small boats, and 24 were found to comply with all applicable technical requirements. Six of these have been formally certified. Of the remaining 18, eight have the resources to upgrade equipment and can be certified after additional training and technical assistance in such areas as documenting their environmental policies and performing internal audits.

The remaining ten small operators lack the funds to replace and upgrade equipment that does not comply with SmartVoyager requirements. Examples include replacing air conditioners and refrigerators using CFCs, replacing two-stroke outboards with four-stroke models, and installing noise-abatement systems on propulsion and generator en-



gines. It is expected that, as market recognition of SmartVoyager certification continues to grow, its competitive value will be broadly demonstrated and help stimulate

## Box 1 - SmartVoyager Certification Principles

**Company Policy** : the Company must have a management policy that includes compliance with national legislation, international agreements as well as Smart Voyager Standards

**Conservation of Natural Ecosystems**: the tourist operation must support and promote conservation in the Galapagos National Park and the Marine Reserve

**Lowering the Risk of Introduction and Dispersal of Exotic Species**: the tourist operation must prevent the introduction of species from the continent to the islands and the dispersal of species between islands

**Just and Proper Treatment of Workers**: the tourist operation must improve the socioeconomic welfare and quality of life of workers and their families

**Employee Training**: all personnel involved with the tourist operation must receive environmental education and training

**Community Relations and Local Welfare**: the Company must make a commitment to the welfare and socioeconomic development of the Galapagos Islands community

**Strict Control of Use, Supply and Storage of Materials**: boat operators must plan and control the consumption, supply and storage of materials, taking into consideration the well-being of tourists, workers, local communities and the conservation of natural ecosystems

**Integrated Waste Management**: boats must follow a waste management plan, including the reduction, reuse, recycling and adequate final treatment and disposal of all wastes

**Commitment on the Part of the Tourist**: tourists must be guided in their involvement in protecting natural resources and local cultures, tread lightly and collaborate with the island conservation programs

**Safety**: the Smart Voyager Program does not guarantee safety but certified boats must adhere to international safety standards and have all the appropriate licenses and approvals

**Planning and Monitoring**: tourism operations must be planned, monitored and evaluated, taking into consideration technical, economic, social, and environmental factors.

Source: Rainforest Alliance

access to credit to enable the remaining small boats and many mid-size boats to make the capital improvements needed to implement the standards and achieve certification.

## Results and lessons to date

The initial small boat certification initiative was achieved in 14 months with an investment of less than \$66,000 and has yielded a number of accomplishments. This modest effort has already yielded significant return on investment (ROI) in protecting natural and human capital and the competitiveness of Ecuador's tourism industry. Local auditors have been trained. Boat operators now understand to a far greater degree the impact of their boats and practices on the delicate environment of the Galapagos, and what they need to do to maintain biodiversity and protect the environment. Local boat operators have been familiarized with the goals and methods of setting standards and verifying compliance, misunderstandings have been clarified and interest in the program fostered. There has been widespread acceptance that SmartVoyager standards are appropriate guidelines for improving performance and becoming environmentally and socially responsible. Designers of new boats are applying the standards in their design process. And with peer pressure and competition from certified operators, other boat operators are being motivated to ask for training and technical assistance so they too can comply with the standards and secure SmartVoyager certification. If funding for such assistance becomes available, a much larger portion of the fleet will be certified.

Finally, the SmartVoyager certification program has been promoted widely throughout the international tourism industry, enhancing Ecuador's reputation and the competitiveness of its tourism sector. Other segments of Ecuador's tourism sector see the SmartVoyager program as a model for their operations and for engaging small enterprises in environmental initiatives.

Some of the lessons from the initial implementation of the program include (1) small businesses need to be brought in to an initiative right from the beginning in order to gain acceptance and support; (2) all parties who benefit should share in the costs including tourists, tour operators and the national park; and (3) certification appears to be commercially advantageous enough to an enterprise to be self-supporting once its benefits are demonstrated.

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## Notes

**1 - The International Trade and Integration Project for Ecuador** (US\$21 million) aims to promote increased socio-economic growth using as an instrument international trade development and integration with the global economy.

There are two components. The first modernizes international trade management and increases markets access by building the capacity of the Ministry of Trade, Industry, and Fishing (MICIP). It provides human resource training, and diagnostic and programming studies, as well as upgrades workstations as part of a new internal administrative and financial management system, renovates office facilities, and implements unfair trade practices safeguards. This component also modernizes customs administration, making regulations WTO (World Trade Organization)-consistent.

The second component facilitates entrepreneurial learning and innovation in smaller firms through private-public partnership institutions. It finances outsourced services to implement expositions, roundtables, publications, and other campaign tools; and funds information technology, communications equipment, consulting services, local and distance learning seminars, an eco-export program to assist firms in export market penetration and environmental protection; a learning and innovation fund to cofinance implementation of business services, a grassroots growth fund, a pilot effort by nongovernmental organizations to provide technical extension services to low-income micro businesses, and lastly technical assistance.

Get the Project Documents at:

<http://www4.worldbank.org/sprojects/Project.asp?pid=P040106>

## Learn More About this Program

For additional information on this initiative and the SmartVoyager standards and certification program, contact:

Bob Toth                    1-703-329-3083    [bob.toth@erols.com](mailto:bob.toth@erols.com)  
Jose Valdivieso        593-2-243-183    [ccd@ccd.org.ec](mailto:ccd@ccd.org.ec)

Visit:

<http://www.rainforest-alliance.org/programs/sv/sv.html>

## About Conservation and Development



**2 - Conservation and Development** (C&D) is an Ecuadorian non-profit citizens' group that carries out research and integrated conservation and development projects in rural communities. C&D's philosophy is to promote respect for life and the correct use of natural resources. We conduct research into new alternatives that seek to

achieve a model for ecologically balanced and socially just sustainable development, either independently or in support of governmental or private initiatives. C&D has developed the certification standards for the SmartVoyager program through several years of research.

## About The Rainforest Alliance



**3 - The Rainforest Alliance** is a leading international conservation organization. Our mission is to protect ecosystems and the people and wildlife that live within

them by implementing better business practices for biodiversity conservation and sustainability. Companies, cooperatives, and landowners that participate in our programs meet rigorous standards for protecting the environment, wildlife, workers, and local communities.

<http://www.rainforest-alliance.org/>

## About the Authors

Jose Valdivieso is the Co-Director of Conservación y Desarrollo (C&D), an Ecuadorian NGO that specializes in conservation and environmental programs; Bob Toth is principal senior consultant to the Program and this initiative in the Galapagos; Jim Hanna is the World Bank's Team Leader for the Ecuador International Trade and Integration Project; and Juan Quintero is a Lead Environmental Specialist in the World Bank's Latin America and Caribbean Region.

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