

Environmental Management Systems



An EMS broadly defines the approach for incorporating environmental, social, occupational health and safety across institutions and companies. This usually includes a written procedure/mechanism to identify, assess, mitigate, and monitor potential environmental, social, health and safety and labor impacts and risks (including liabilities and public concerns). The proliferation of EMS across sectors, institutions and companies is both a positive and challenging situation. Often, the rush to endorse EMS particularly in developing countries results in sometimes false hopes and short sighted implementation.

Dr. Green works with companies implementing EMS, such as ISO 14001, as well as aligning procedures with the Equator Principles. His work has included audits of small and large industrial and manufacturing facilities (steel, petrochemical, oil and gas), agro processing, and small and medium enterprises around the world. He works with clients in identifying shortcomings and suggestions for improving production and minimizing the waste stream and pollution discharges.

Over the last several years Dr. Green has worked across the banking sectors in Nigeria, Laos and Central America creating innovative environmental and social due diligence procedures to satisfy international lenders including the World Bank and IFC. He has also worked as a lead safeguards specialist with the World

Bank establishing protocols to improve the application of ESMS across its Financial Intermediary lending.

Frameworks Support



Over the past 25 years, Dr. Green has designed, implemented and evaluated hundreds of Frameworks including social funds, rural infrastructure, financial intermediaries and CDD projects across Latin America, the Caribbean, Africa and Asia. He first lead activities for USAID and the World Bank in innovative approaches for screening environmental and social impact and risks for Social Funds in El Salvador, Honduras, Pakistan Egypt, and Ethiopia in the early 90s. Continued requests followed for designing environmental Frameworks for the World Bank in Eritrea, Angola, Nigeria, Tanzania, and Uganda.

His support covers the total project cycle from planning and design through implementation to supervision and evaluation for host country clients as well as donors. Dr. Green has helped craft detailed and comprehensive ToRs for hiring consultants, assisted borrowers in completing entire RFP packages for procurement, and facilitated contract negotiations between government contract agencies and consulting firms. He has worked directly with framework design Teams and/or independently drafted Frameworks as a direct hire for projects. Beyond delivering acceptable Frameworks, Dr. Green is also adept at converting these often cumbersome and impractical products into subproject application and approval provisions in the Operational Manual. Dr.

Green is well known as a leading expert in the wider World Bank community for providing practical solutions for the use of Frameworks.

Determining the quality of safeguard performance and associated sustainable construction and maintenance for the vast array of subproject types continues to be a challenge across many of these programs using Frameworks. Dr. Green has conducted site visits to over 500 schemes across dozens of programs in three dozen countries. He provides in situ advice and capacity building to all levels of program managers, technicians and beneficiaries. With decades of operational experience Dr. Green builds practical examples of how to effectively implement, supervise and monitor these subprojects for local, national, and donor audiences. Particular focus continues across rural water supply, rural roads, small scale irrigation and health programs.