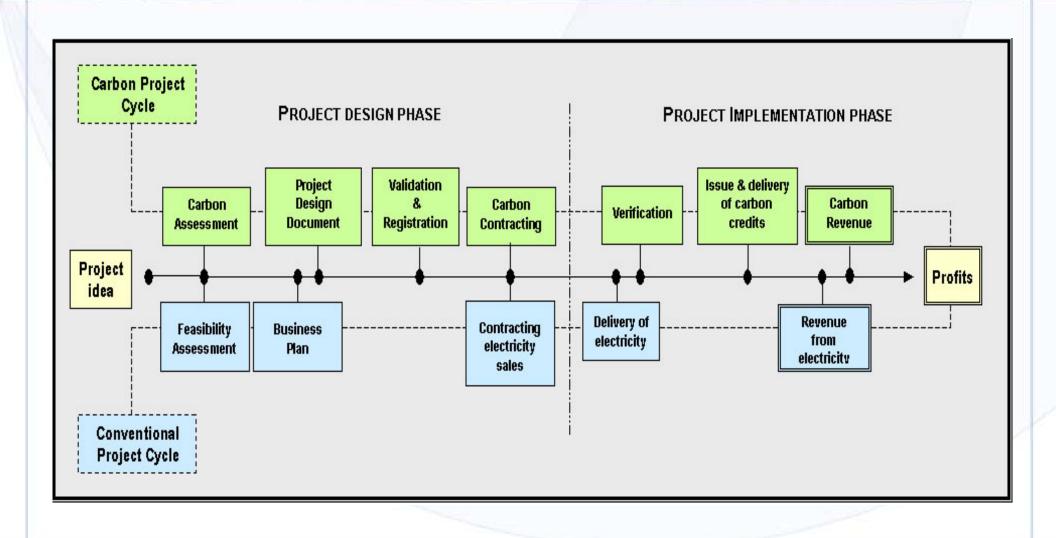
International trading mechanisms

- ➤ Kyoto Protocol requires developed countries (Europe, Japan and Canada) to reduce emissions of greenhouse gases by 5.2% during 2008 2012
- ➤ EU Emissions Trading Scheme requires EU countries to reduce emissions of greenhouse gases by 6% during 2005-2007
- ➤ The Clean Development Mechanism (CDM) enables the purchase of Certified Emissions Reductions (CER) from emissions reductions projects in developing countries

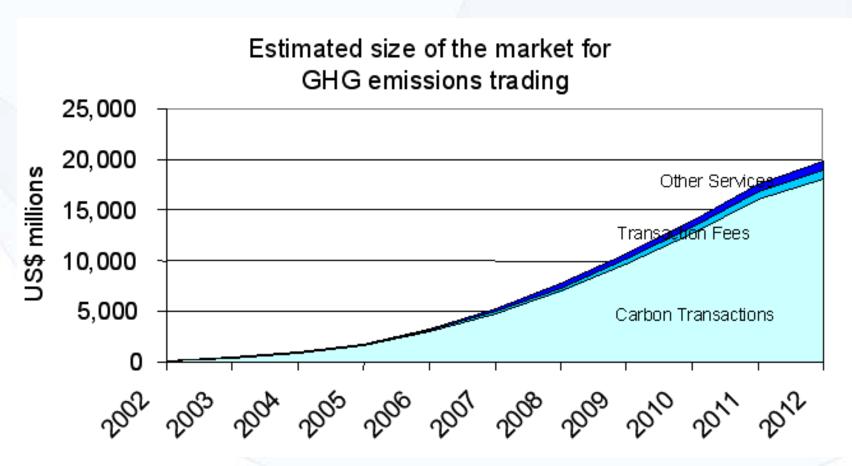
About EcoSecurities

- Developed or advised on emission reduction projects in a series of countries in five continents
- Currently 70 projects in development around the world
- Six of the 26 registered CDM projects globally were developed by EcoSecurities and four more projects currently in the pipeline for registration
- The company developed the first project to obtain CDM registration
 - NovaGerar Landfill Gas to Energy Project (Brazil)
- The company developed one of the first projects to be issued certified emissions reductions (CERs) or carbon credits under CDM
 - La Esperanza Hydroelectric Project (Honduras)

CDM & Conventional Project Cycle



CDM Opportunities



Development of the size of the market for GHG emissions trading. Source: own calculations.

CDM Opportunities

- Current CDM market is estimated at 100MtCO2 per year, or a value of roughly US\$500 million
- CDM market expected to grow to US\$ 20 billion by 2012, a growth of 800%

CDM Opportunities

Swine manure accumulation and run-off poses environmental problems: water contamination, disease transmission and global warming



CDM offers an opportunity to solve environmental problems and increase revenue through methane capture

ECO SECURITIES

BioTer Project

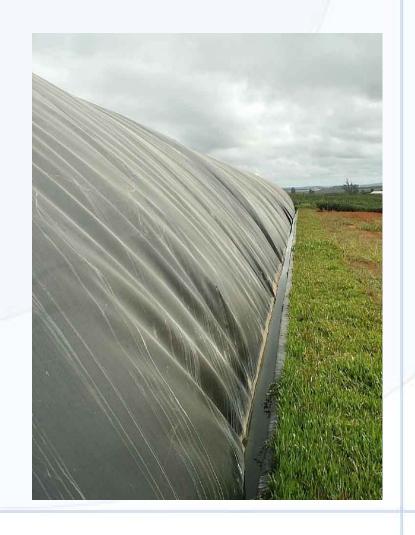


Manure Management on Swine Farms in Brazil

- Located in Mato Grasso do Sul, Brazil
- ➤ Project developed by EcoSecurities Biodigesters - joint venture with BioTer Ltda.
- ➤ EcoSecurities Biodigesters manages all stages of project cycle



- Consists of 24 swine farms that will install BioTer Biodigesters and abate methane emissions
- ➤ Project will generate approximately 78,000 certified emissions reductions (CERs) every year



Project barriers

- Swine farmers in Mato Grasso do Sul needed to obtain an environmental license to sell pork to Seara
- The license required farms to manage their waste water
- ➤ Open air aerobic lagoons offered one possible waste management solution



Project Barriers

- Anaerobic digesters that resolved environmental problems and captured methane required a costly investment
- ➤ Brazilian government was reluctant to offer subsidies after the failure of Indian anaerobic digester technology
- ➤ Banks were often unwilling to finance such technology due to its relative novelty and limited financial returns

Biodigesters

> Organically treat laden waste water and reduce the Chemical

Oxygen Demand (COD)

- ➤ Long retention time of waste water at 30-35°C kills pathogenic material
- ➤ High Density Polyethylene (HDPE) liner creates a "gas seal," facilitating efficient methane capture



- ➤ Within the context of CDM, swine manure can be transformed into a business opportunity
- ➤ By installing anaerobic digesters and capturing the methane decomposing manure produces, swine farmers can commercialize their emissions reductions
- The sale of emissions reductions provides additional revenue to farmers on an annual basis

Project Benefits

- Considerably reduces Greenhouse Gases
- Eliminates environmental contamination by waste water run-off
- **6** Generates an additional source of revenue
- Potential for electricity production

THANK YOU



EcoSecurities Ltd.
21 Beaumont Street, Oxford, OX1 2NH
United Kingdom
Ph. +44 1865 202 635
info@ecosecurities.com
www.ecosecurities.com

In Chile:

Av. Americo Vespucio Sur 100, Piso 16 Las Condes, Santiago de Chile Ph. +56 2 207 5000 arturo@ecosecurities.com julie@ecosecurities.com