

Access2 Carbon Markets

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Presentation

e)mission neutral organizations



Characterization of a service of unique quality

e)mission neutral organizations

Introduction

Offsets

Credibility

e)mission clients

Requesting a proposal

Supporting a fast transition to a low carbon society and an energy efficient economy

Introduction Organizations and Climate Change



Motivations for offsetting carbon:
environmental benefits (91%)
climate neutrality & marketing (89%)
Carbon Management & Offsetting Trends, 2009

Is your organization prepared for the risks and opportunities of climate change?

The science is clear: drastic reductions in greenhouse gas are needed to stabilize carbon levels in the atmosphere in order to avoid the worst risks of dangerous climate change.

The economy, and society, will necessarily have to make a transition to a low carbon paradigm.

In this transition, there will be those who win and those who lose.

Value drivers in relation to climate change, for organizations, are Regulation, Consumer Behaviour, Technological Innovation and Cost of Carbon. According to a study by McKinsey, climate change can bring up to 80% value creation for proactive and well positioned companies. Or it can risk up to 65% of value for poorly prepared companies.

Prepare your organization for the future.

What are the advantages of a good carbon management strategy?

- Promotes technological and behavioural **innovation**;
- Involves Administration and Staff in the search for solutions to **optimize operations**;
- Realize **real reductions in costs** through energy efficiency;
- Monitor the efficiency of operational costs using CO2 and ratios as Key Performance Indicators;
- **Prepare** and be ahead of new legislation on energy consumption and carbon emissions.

And the advantages of offsetting carbon?

- Realize real emissions reductions **now**.
- **Budget carbon pricing** into operations.
- Discover new business opportunities through positive **differentiation** and **brand awareness**.
- **Communicate** about positive action to clients, staff, investors and regulators.

Motivations for offsetting carbon:

- Environmental benefits (91%),
"climate neutrality" & marketing (89%)
- 3/4 of companies have or have started to develop a carbon strategy.
- 2/3 have already started to offset emissions, or are considering it in future.

Introduction e)mission neutral® events



Measure, Reduce, Offset, Communicate

Integrated carbon management system

Depending on the ambition of the client, e)mission can support the establishment of a strategy and plan for enterprise carbon management, or deliver just the necessary elements for the client to achieve specific objectives.



Offsetting Real & measurable reductions

At a tipping point, our action must be quick
Our projects reduce in a few years
the carbon that forests take decades to sequester

Projects which generate carbon credits

We use carbon credits from projects that deliver **fast results**, using **approved methodologies** by the Clean Development Mechanism / Kyoto Protocol, which **contribute to sustainable development**:

- Energy Efficiency
- Renewable Energy Systems
- Clean Technology / avoidance of biogas emissions

We develop and support projects primarily in Africa and Latin America, the regions which have benefitted less (but most need) carbon finance.

“Since we envision a **sustainable economy** that **depends less on fossil fuels** such as oil and coal and **more on renewable energy sources**, like solar and wind power, our goal is to **promote energy sources that cut back on emissions from the very beginning**. Afforestation and reforestation fall outside of this **goal of behavior change**. “

www.cdmgoldstandard.org

International criteria

In a non regulated market, it's up to the clients to assure they get the most credible service. These are the international criteria for projects which generate carbon credits:

Additionality: projects go beyond the “*business as usual*” scenario.

Verification: emissions reductions are verified by auditors which are accredited by the United Nations.

Pro-sustainability: projects should demonstrate environmental and social co-benefits for the local communities, in addition to reducing emissions..

Permanence: projects should guarantee permanent reductions in carbon emissions. Energy efficiency and renewables projects avoid pollution in the first place, and that's forever.

No double counting: In some countries, emission reductions are already accounted and reported to the United Nations as part of the National Inventory Report.

In real time: emission reduction projects from our portfolio are closely timed with our clients' emissions.

Why has e)mission never offset clients' carbon emissions using forest projects in Europe?

Risk of non permanence: Fires return the organic carbon to the atmosphere. Biomassa which is collected and incinerated or composted has the same effect.

This is the case of all EU countries (Annex 1 to the Kyoto Protocol). Transactions of emissions reductions should never happen twice.

What guarantees? Many forestry related offsets sell today what is expected to be sequestered into the future... Over several decades.

Offsets

Our projects

e)mission Portfolio Q1 2010



Reducing emissions and contributing to development

e)mission carefully chooses projects which generate carbon credits for its offset portfolio. Whether they are projects in which e)mission is a direct partner, or developed by third parties, all fulfill the highest international standards and satisfy technical and sustainability criteria.

See the complete information fiche for each project: www.e-missionneutral.com > our projects

Efficient charcoal stove in Kenya

African families, and in particular women, travel long distances to find fuelwood in order to prepare food. Conventional stoves are inefficient, resulting in deforestation and smoke related health problems. This project involves the preparation and use of more efficient stoves for charcoal, reducing fuelwood use by up to 70%. It also results in fewer health problems and more efficient way of cooking, leaving families with more money and time.

Methodology	Approved by UNFCCC
Location:	Huruma, Nairobi, Quénia
Type	Energy Efficiency - Domestic
Standard	Gold Standard

Fuelswitching in the ceramics industry in Brazil

Three small ceramics companies produce bricks for the regional market. Typically these industries use Heavy Fuel Oil for their furnaces. In addition to contributing to local air pollution, this risks the region's fragile ecosystems, namely mangroves and Atlantic Rainforest. In a new approach to develop their activity within an integrated strategy for sustainability, with the support of this project, the ceramics started to use renewable biomass (wood waste and sawdust) from reforestation zones, to satisfy their thermal energy needs.

Methodology	Approved by UNFCCC
Location	Itaborai, Rio de Janeiro, Brazil
Type	Fuel Switch
Standard	Volunteer Carbon Standard Social Carbon Standard

Green waste composting in South Africa

The Municipality of Cape Town generates many "green wastes" from plants, gardens and parks. Typically these are simply sent to landfill, where they undergo anaerobic decomposition. This results in methane, a powerful greenhouse gas. This project sets up a composting programme which produces humus, used to re-establish fertility and water retention capacity of the soil. The project generates 55 direct jobs and many others indirectly, and contributes to improved agricultural productivity.

Methodology	Approved by the UNFCCC
Location	Klipheuwel, Cape Town, S.Africa
Type:	Methane avoidance
Standard:	Verified by TUV Nord in accordance with CDM

Credibility Robust Quality Control



Quality is the distinguishing factor
Demand the best for your organization

Verification and *Quality Assurance* in accordance with the highest international standards

e)mission works with clients to reduce and offset carbon emissions, throughout Europe.

We guarantee the best system for quality management, from the projects to the carbon registries.

In favour of transparency, all supporting information and documentation are available from our website:
www.e-missionneutral.com

Carbon credits

Generated using **approved methodologies** by the United Nations (**UNFCCC** / CDM):

- **VERs / CERs: all are validated and verified** by international, independent auditors, accredited by the United Nations (DOE), or by the Standards organizations themselves.
- Projects follow International Standards. Ex: **CDM, Gold Standard or Volunteer Carbon Standard**

Carbon Registry and Assurance

We follow the most demanding criteria:

- Carbon registry and balance subject to Verification and Assurance procedure by **KPMG Advisory**. Annual Report available from our website
- In order to have the best registry and maximise transparency, we hold an *Account* with **Markit Environmental Registry**, by excellence.

Environmental Steering Committee

Advises and verifies credibility on ethics, scientific and pro sustainability matters at international level. Members affiliated with:

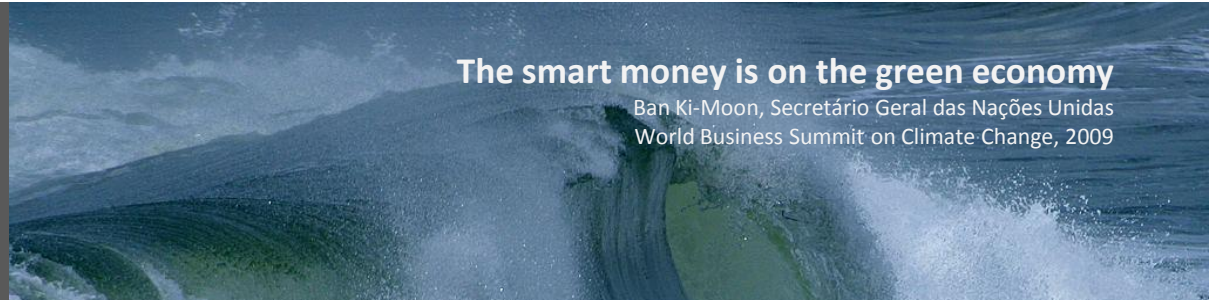
- Technical University of Lisbon (Portugal)
- University of Oxford (UK)
- University of Zagreb (Croatia)
- Universidade Eduardo Mondlane (Mozambique)

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Credibility
Corporate and public clients



The smart money is on the green economy

Ban Ki-Moon, Secretário Geral das Nações Unidas
World Business Summit on Climate Change, 2009

A reference brand with a strategy for international growth

e)mission works with companies, public bodies, NGOs and individuals with leadership spirit and progressive perspectives. Some of our clients, in Spain, Portugal and throughout Europe, include:



IPAD
Instituto Português
de Apoio ao Desenvolvimento



Andorran
Bank Group

Credibility Events and initiatives

A conference, activity, campaign or product
does not have to cost the climate

Events with climate responsibility

e)mission has worked with diverse clients to ensure their initiatives are e)mission neutral. We always try to recommend measures to reduce environmental (and economic!) impacts.

Some examples:



www.premioinovacao.com



Energy Bus: 2007-2011
(ERSE / EDP / Terrasystemics / IDMEC)



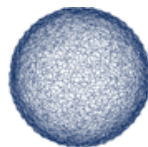
Christmas tree 2009/2010
Zon / EDP / CML



Sponsored by:



United Nations Educational,
Scientific and Cultural Organization



COP15
COPENHAGEN

Official Portuguese delegation
to the UN Climate Change
Conference in Copenhagen
2009

5th Dubrovnik Conference on Sustainable Development
of Energy, Water and Environment Systems



Internal large events
by EDP Group,
Portugal and Spain



Proposal What clients receive



Direct benefits

- **Logomarks:** Use of the logos in any communication associated with the e)mission neutral product or event.
- **Support in communication:** We work with our clients to ensure that communication about the climate responsibility and offset is clear, correct and simple.
- **Carbon footprint:** Depending on the level of service requested, clients receive a succinct report with details of the carbon footprint for the organization, depending on the reference year and operational boundary considered, emission sources, as well as recommendations for mitigating carbon emissions.
- Certificate and other information materials (see right)
- Integration of the client in the **mailing list** to receive news and information on e)mission and relevant climate developments.
- Copy of the e)mission **Annual Report**.
- Periodic e)mission newsletter with news and information about our services and partners, promotions, new clients, important climate developments around the world.



Clients receive

- **Certificate:** For all clients. Identifies client, activity, date, CO₂eq offset, registry number. We can issue a certificate for each special invited guest / speaker who travels by plane.
- **Luggage tags:** Offered to participants whose air travel emissions are offset "e)mission: I'm flying CO₂ neutral"
- e)mission neutral acrylic plaque: Personalized for corporate clients which assume climate neutrality pluri-annual commitments with e)mission.
- ▶ In line with high levels of quality standards, these materials are produced on *Elemental Chlorine Free (ECF), Forestry Stewardship Council (FSC)* paper



Communication International networking



Juntos mostramos liderança

United Nation Environment Program (UNEP) and Climate Neutral Network

We work with our most ambitious clients and promote their membership of the Climate Neutral Network of the United Nations Environment Programme. (UNEP).

This international institutional initiative promotes excellence in the management of carbon and zeal in taking action towards carbon neutrality.

e)mission works in partnership with CNNet to invite companies and institutions with ambitious plans to manage and reduce their carbon emissions, and join the network of like-minded organisations worldwide.

e)mission is one of the first members (Centurion). It is one of the few "offsetters" to be listed on the CNNet Resources pages.



For more information, visit:
www.climateneutral.unep.org
www.e-missionneutral.com

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Request a proposal
The low carbon way®



Contact us

Contact us with any query about carbon management and offsetting of your organization, event or activity. After a few questions, we will be able to recommend a specific solution and propose concrete terms.

Consult the e)mission website for more detailed information on the e)mission service.

You will also find our Code of Ethics and Annual Carbon Report.

www.e-missionneutral.com

Internacional

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