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Market Survey: Economic, ecologic and social development through a Zero-Emission Management System

Dear Sir or Madam,

The European Commission has committed to ambitious long-term targets for the reduction of greenhouse gas (GHG) emissions. Those targets foresee to hold global warming below 2°C compared to pre-industrial temperatures and to ensure Europe's transitions towards becoming a low-carbon competitive economy. To meet these targets, it will be necessary to apply energy efficiency measures as well as to produce local low-carbon (renewable) energy.

Innovative communities take advantage of these developments. They implement suitable governance structures and management systems and commit to sustainable economic growth, through a significant and continuous improvement of the communities' GHG balance. Reducing dependency on fossil fuels and utilising local potentials for efficiency and renewable energy lead to increased employment and greater economic performance within a community's own boundary.





Against this background an international partner consortium including 10 scientific institutes, private enterprises, and local authorities from 4 North Western European countries, led by the Institute for Applied Material Flow Management (IfaS), Germany, began the ZECOS project in 2010. Within this project a Zero Emission Management System (ZEMS) was developed which may be adopted by communities throughout the EU. The feasibility of the ZEMS has been successfully trialled in 4 partner communities: Morbach in Germany, Seraing in Belgium, Peterborough City Council and Northamptonshire County Council in the UK.

The overall concept of the Management System is based on the following crucial pillars:

- A Zero-Emission-Concept including a material flow analysis for identifying energy efficiency and renewable energy potentials, an Energy and GHG balance in accordance with internationally acknowledged standards, an economic action plan for measures to be implemented, as well as “green” financing schemes with particular focus on citizens’ participation.
- Specific guidelines to successfully establish, implement, maintain and continuously improve the community’s development. In addition, the guidelines include specifications on the requirements applicable to GHG emissions (including measurement, documentation and reporting) as well as creating Regional Added Value and employment.
- The appointment of a Zero-Emission manager within the community, encompassing a broad field of functions and responsibilities related to the ZEMS.
- A platform for member-communities for the purpose of networking and exchange of experiences.
- An Award and Certification System for marketing purposes

The ZEMS follows the Plan-Do-Check-Act management cycle, which is the key element of continually improving the community’s development.

If you want to reduce GHG emissions, strengthen your local economy and environment and become a certified Zero-Emission-Community, we would be glad to send you further information on how to initiate successful future development for your community.

Please find attached an overview of the key characteristics of the ZECOS approach as well as our response form, to allow us to send you further information by your preferred method.

Kind regards,



Purpose

ZECOS offers an integrated management approach that allows to gradually realising your sustainable goals. The success can be proven in economic, ecological and social fields.

Objectives

MAXIMISING Regional added value Security of supplies Citizen participation	STRENGTHENING More resilient local economy	ENHANCING More jobs More fundings	DEVELOPING Improved environmental protection through smart reorganisation of material and energy flows
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Features

CUSTOMISED STRATEGIC APPROACH INCLUDING <ul style="list-style-type: none"> • Corporate Vision (ZERO-Emission) • Objectives, targets and actions • Extensive knowledge-transfer 	KAIZEN-PRINCIPLE INCLUDING <ul style="list-style-type: none"> • Continual improvement • Periodic work plans (PDCA-cycles) • Easy to integrate
REGIONAL ADDED VALUE (RAV) INCLUDING <ul style="list-style-type: none"> • Ecological advantages • Strengthening of local economy • Social and cultural aspects 	CO_{2e}-MITIGATION INCLUDING <ul style="list-style-type: none"> • Monitoring of CO_{2e}-emissions • Improving the CO_{2e}-balance • Defining mitigation actions
TECHNOLOGY DRIVEN INCLUDING <ul style="list-style-type: none"> • Proven feasibility • Utilisation of regional potentials • Independency on fossil fuels 	GREEN FINANCING INCLUDING <ul style="list-style-type: none"> • Innovative concepts • Participation of stakeholders • Sustainable funding
INTEGRATED MANAGEMENT SYSTEM INCLUDING <ul style="list-style-type: none"> • Applicable in any community • Openly developed structure • Allows integration of other MMS, e.g. eea or EMAS 	

Governance

Project lead: Institute for Applied Material Flow Management (IfaS), Germany
International European partner consortium; Specialist from scientific and private enterprises as well as communities and local authorities



Response to:



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Receiving further information:

I am interested in the Zero-Emission-Management-System and would like further information via:

E-Mail: If you want to respond to us via E-Mail, please use this [link](#):

Fax: If you want to respond to us via Fax, please fill out the following form:

Postal address:

Name of the Institution: _____

Department: _____
Contact person: _____
Phone: _____
E-Mail: _____
Street: _____

Postal code: _____
City: _____
Country: _____