



FEUGA



FUNDACIÓN EMPRESA - UNIVERSIDAD GALLEGA



el puente universidad- empresa

El objetivo de FEUGA es promover la colaboración con la universidad y fomentar la transferencia de conocimiento y tecnología.

Gestiona el **interés público** con la **agilidad** de las **entidades privadas**.

Conocimiento de la oferta tecnológica de la universidad gallega

Intensa relación con la empresa y la sociedad gallega: conocimiento de las **necesidades** que la universidad puede satisfacer.

Versátil , opera en las distintas ramas del conocimiento y de la economía: **Multitecnológico / Multisectorial**

La **dimensión** no nos importa: **pymes y grandes compañías** tienen la misma consideración cuando se trata de servirlos.

Eco-innovation

When business meets the environment



ECO-INNOVATION | 
WHEN BUSINESS MEETS THE ENVIRONMENT

CIP Eco-Innovation Call 2013:

Market Replication Projects

Closing the gap between research and markets

Closing date: 5 September 2013, 17h

Evaluation: December 2013

Start: May 2014



ECO-INNOVATION | 
WHEN BUSINESS MEETS THE ENVIRONMENT

Eco-innovation: All forms of innovation

reducing environmental impacts and/or

optimising the use of resources :

- New services: greening businesses
- New processes: cleaner production
- New materials
- New products

Market Replication Projects:

1. **Innovative ideas** which can be **turned into 'marketable' green products and services** (They need incentives to penetrate the market)
2. Potential for **replication** and **wider application** must be demonstrated (Crucial: Leverage factor and replication)
3. **Life Cycle Thinking**
4. No partnerships required but **EU added value** important

5 PRIORIDADES:

1. **Materials recycling**

2. **Sustainable building products**

3. **Food and drink**

4. **Water**

5. **Greening businesses**

Productos y servicios verdes

Sustitución de materiales por otros que con impacto ambiental reducido

Procesos de producción limpia

Mecanismos de re-ingeniería y servicios de reparación innovadores



ECO-innovation 
WHEN BUSINESS MEETS THE ENVIRONMENT

Productos de construcción y procesos (construcción, mantenimiento, reparación, instalación o demolición de edificios) **que reduzcan el consumo de recursos, carbono incorporado y la generación de residuos de subproductos-**

Materiales de construcción más respetuosos del medio ambiente y procesos de fabricación eco-innovadores



COFINANCIACIÓN EU: 50%

Costes subvencionables

1. **Costes directos de personal**
2. **Equipamiento e infraestructura**
3. **Subcontratación:** no las tareas principales, con un máximo del 35% de los costes subvencionables
4. **Costes Indirectos** (7% total de costes directos subvencionables)
5. Otros costes específicos
6. **Viajes** (4% del total de costes directos subvencionables)

CERTIFICATION OF FOREST CONTRACTORS (CEFCO) <http://www.nepcon.net>

PROJECT BRIEF

Sector:	Greening Business
Partners:	Nature, ecology and people consult (NEPCoN), Denmark Forest Stewardship Council (FSC International), Germany The European Network of Forest Entrepreneurs e.V. (ENFE), Germany
Duration and Budget:	27/05/2009 - 26/05/2012 EUR 823 502 (EU contribution: 60%)

SUMMARY

The main objective of this three year project is **to promote and facilitate certification of small forest holdings**, by **developing tools for certification of forestry contractors**. By engaging a certified forestry contractor, the forest owner can be assured that this service enterprise complies with all relevant certification requirements, and he can easily outsource responsibilities related to certification of his forest management. The concept will be tested first in 4 European countries. Awareness raising, training and promotion will follow at the national and European level. Until now little certification has taken place for small privately owned forests. This project will tackle this demand and will activate increase certification of small forests in Europe, leading to an immediate improvement of environmentally and socially sound forest management.

RESULTS

- Development of international guidelines for contractor certification that will potentially lead to independent certification of contractors.
- Simplified forest management standards for small forest owners and criteria for forestry contractors will be developed and specific indicators for division of responsibilities between forest owners and forestry contractors.
- Forest management certification with the help of forestry contractors which fulfil all applicable certification requirements will be facilitated.
- Workshops for Awareness raising and training will be conducted in four countries. The results will be presented in an EU wide training workshop with participation of key forestry contractors and private forest owner representatives, and it will be widely promoted in European media. Certification toolkits will be prepared for private forest owners, group managers and forest service enterprises.
- 80 small to medium sized forest service enterprises will offer certified forest management services to small forest holdings and 500.000 ha of private forest will be certified.

MARKET DEVELOPMENT FOR INDUSTRIAL ECO²BUILDINGS IN PASSIVE-HOUSE QUALITY THROUGHOUT EUROPE (ECO²BUILDING) <http://www.eco2building.com>

PROJECT BRIEF

Sector:	Buildings and Construction
Partners:	Profactor GmbH , Austria AMS Engineering GmbH (AMSENG) , Austria HABAU construction (HABAU) , Austria Poppe*Prehal Architekten ZT GmbH (P*P) , Austria WIEHAG GmbH (WIEHAG) , Austria Ebök Institut für angewandte Effizienzforschung GmbH (EBK) , Germany OCHS GmbH (OCHS) , Germany
Duration and Budget:	26/08/2009 - 25/08/2012 EUR 1 986 770 (EU contribution: 47%)

SUMMARY

Buildings account for the largest share of energy use (around 40%) worldwide. In order to reach the agreed climate protection targets, insufficiently insulated and pollutive industrial and commercial buildings need to be replaced by more resource and energy efficient buildings. Appropriate technologies are already widely applied in the residential sector, but are rarely found in industrial- and commercial buildings. The aim of the project is to **launch a solution for commercial buildings** in the European market which allows to save about 90% of the energy for heating and 90% of the consumption of resources for the envelop compared to conventional commercial buildings - while still being economically priced. This is made possible by the **eco²building construction system**, which was jointly developed and demonstrated by architects, timber construction engineers, building services and software engineers within the EC funded research project IP-SME "HOLIWORLD" (FP6, contract no. 011799-2). **It is the first complete construction system developed for commercial and industrial buildings based on prefabricated timber frame modules, reaching 'passive house quality'.**

RESULTS

- The eco²building is the first complete passive-house timber building system for commercial and industrial buildings. It offers e.g. an architecture tailored to the [clients](#) needs, tested building physics, guaranteed constructional quality, optimized comfort level and use of daylight, an **energy use reduced by 90%**, a time span from inception to completion reduced by 1/3.
- **22 eco²buildings during the project**, Austrian market first, then other European markets, **500 eco²buildings until 2019**
- Reductions of CO₂-emissions will be achieved: **a single eco²building saves approx. 232 tons CO₂-eq./year**. Total annual reduction of about **100.000 tons CO₂-eq. from 2019**. Moreover, due to rapid increase in raw material and energy prices it is expected that the market share of highly efficient prefabricated commercial timber buildings will considerably increase in the coming years - from a **market share of currently 2.5% to 40% in the year 2026**.

ECOLOGICAL WOODEN WINDOW INSULATIN (ECO-S) <http://www.m-sora.si>

PROJECT BRIEF

Sector:	Buildings and Construction	
Partners:	GS Georg Stemeseder GmbH (GS Stemeseder), Austria M SORA, Trading and production JSC, Slovenia	
Duration and Budget:	28/11/2011 - 27/11/2014	EUR 1 907 690 (EU contribution: 50%)

SUMMARY

ECO-S insulated window are windows which uses wooden wainscot with air holes for its insulation. Its benefits are technical and thermal characteristics that are comparable to other insulation products (e.g. polystyrene, polyethylene foam, polyurethane foam, etc.), easy production with low operating costs and, most important, a sustainable and fully recyclable product made of renewable raw material, namely wood. ECO-S insulation has moved beyond the testing phase and has fulfilled all European legislative norms. ECO-S insulation will not only be used on different M SORA JSC window types, but will also be sold as a semi-product to other wooden-window manufacturers for the production of other low-energy windows. The goal of the project is to replicate ECO-S products throughout the European and Balkan countries. The first activities of the project are optimizing the production for massive production of the products. The following steps are mainly focused on market replication activities.

RESULTS

- Reduction of GHG emissions and raw materials (reduction of **48.290 tonnes of CO2**, **2.231.932 tonnes of water**, **8.571 tonnes of oil**, **18,635 tonnes of wood**)
- Production increase of ECO-S products (by the end of the products **42.000 ECO-S windows**)
- **Increased market** to main European and Balkan countries

Title	<i>ECO EFFICIENT AND COST EFFECTIVE EXTENDED LIFECYCLE MANAGEMENT IN WOODEN MATERIALS AND PRODUCTS FOR SUSTAINABLE CONSTRUCTION</i>
Partners	<ul style="list-style-type: none"> • CLUSTER DE LA MADERA DE GALICIA, COLEGIO DE ARQUITECTOS DE GALICIA • <i>MHC CLUSTER (Furniture & Timber Construction Cluster, AUSTRIA)</i>
Project Brief	<p>Ayudar a comercializar y posicionar en el mercado una amplia gama de eco-productos y eco-materiales de madera para construcción que tengan bajo impacto a lo largo de todo su ciclo de vida: silvicultura, fabricación, diseño, arquitectura, construcción, operaciones de mantenimiento y nuevas actividades de reciclaje al final de su vida útil.</p> <ol style="list-style-type: none"> 1. Monitorización de procesos de fabricación, cálculo de la Huella de Carbono por producto y cálculo del impacto a lo largo del ciclo de vida 2. Desarrollo de un servicio de apoyo para el cálculo de Huella de Carbono y análisis del ciclo de vida de productos tipo de madera para construcción 3. Desarrollo de protocolos de uso sostenible de la madera en construcción (construcción, <u>mantenimiento</u>, <u>reparación</u>, <u>instalación</u>, <u>demolición</u>, <u>reciclaje</u>) 4. Comunicación y marketing, sensibilización de prescriptores y consumidores



MUCHAS GRACIAS

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