



NATURAL - ENERGY EFFICIENT - SUSTAINABLE

NEES Natural Energy Efficiency and Sustainability

Background and Progress

TC 10 AM GMT Tuesday July 24th

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Synopsis

- Identify and promote products and services that improve **energy efficiency** in existing domestic buildings, that make use primarily of renewable or recycled materials and of services based on natural processes, which originate and are normally accessible in the Northern Periphery Programme region, and have the potential for being mainstreamed and commercially disseminated inside and outside the region.

Overall objectives

- NEES will develop a model for the identification and validation of innovative products and services for achieving natural energy efficiency, aiming to help providers to develop and diversify their products to reach a larger market. The model will be based primarily on the 12 steps identified, and the model will be fully implemented and replicated as a consultancy support service for similar products, linked to national EEE programmes.

Specific Objectives

1- Identifying, benchmarking natural products and processes that enhance energy efficiency in buildings

-Renewable products

Sheep's wool, hemp, hemp & lime, straw bale, timber, etc.

-Recycled natural products

Paper, wood shavings, denim, etc.

2- Identifying and benchmarking natural processes and services that save energy in buildings;

-Bioclimatic Design approaches

Solar and bioclimatic architecture, green roofs, living walls, etc.

-Natural installations:

Natural ventilation, plant-based air filtering, organic waste water treatment, etc.

3- Developing, promoting & implementing strategies to promote these products and services:

–Research, Demonstration, Validation, Accreditation, Preparation for Market.

Actions

- Develop comprehensive sustainability criteria (triple bottom line), profiling and documenting best practice on a LCA basis – **in progress**
- Review current situation, identify barriers and bottlenecks, gauge potential for widespread marketing – **how do we do this?**
- Investigate transferability of these products and services to other Partner regions – **how do we do this?**
- Develop monitor and evaluate 5 practical demonstration projects which demonstrate transferability. – **in progress**

Actions(2)

- Identify, validate and establish the transferability of 15 selected products and services that best reflect this approach – **will be done over 3 calls**
- Identify and promote appropriate supports in terms of professional, advisory and raining services – **how do we do this?**
- General quantifiable increase in awareness and uptake of these products in partner regions – **how do we document?**
- Generate and document tangible social and economic benefits – **how do we document?**
- Identify funding streams and models that allow continuation of work after end of project. – **this has begun and is ongoing**

Main Products

- 5 surveys of natural products and services – **should we have 5 calls – not 3?**
- Central data base and on-line catalogue of products and services – **who is doing this?**
- Package of indicators (starting from Natureplus label) and incorporating TBL - **done**
- 15 detailed profiles (3 per region) of selected best practice – **at least 3 out of @ call**
- 5 feasibility studies for local application – **1 per region**
- 5 study visits to selected best practice – **can we do this?**

Benchmarking Best Practice

- Best Practise Criteria – GCU have drawn up and circulated (attached)
- Expert Panel – has been nominated by Partners
- Evaluation Grid – has been draw up and circulated (attached)
- 1st Call for Best Practices completes on 31.07.12
- Objective 1 is (Expert Panel) to grade P&S submitted and decided if any are best practices
- Objective 2 is to advice Partners if any change is evaluation format is requiried.

When Call closes

- Submissions received circulated to Expert Panel
- Expert Panel carries out graded remote assessment based on NEES Criteria.
- Experts may consult on-line data as well as submitted information (?)
- Expert Panel remote results are sent back (to GCU?)
- GCU circulates collective “scores” for all submission in advance of the meeting 27.08.12

27.08.12 Experts Meeting

- Review scores – if scores are generally in agreement product/service accepted or not as “best practise”
- If scores are not in agreement, then a discussion of product or service takes place, and a new score agreed on a majority basis (?)
- Best Practices approved will be documented and profiled (by local partners?) visited, details on web site, and considered by local projects for exchange and application in Pilot Projects.
- P&S submissions rejected may be invited to reapply to next call if information incomplete, if appropriate.
- Expert Panel to consider experience and problems of methodology and suggest changes that will improve next call.
- Expert Panel to consider frequency and other aspects of call (such as regional unbalance).
- 4th Partners Meeting in Derry in November will review and agree changes in methodology in future Calls