



First GREAT voucher for Elestor

The first GREAT voucher to be submitted in East Netherlands has been granted to Elestor. Elestor used this voucher for participation of the EASE (European Association for Storage of Energy) in Paris. Besides promoting their innovative storage technology. Elestor acquired knowledge and useful contacts within the French Smart Energy market, in which solar and wind energy will increasingly be an alternative for nuclear power. Important conditions for this transition are high quality and reliable interconnections between the grid and decentralised generation, as well as lowcost storage possibilities.

Elestor is a start-up in Arnhem, that develops a new storage technology consisting of an electrochemical flow battery that works on hydrogen and bromine. The battery works with an easy to produce and cost effective cell. The battery system can be applied for "Power Backups" and realising Gridbalance. This way Elestor provides the missing link to make deployment of smart grids and renewables possible.

Erris Better Energy Communities (B.E.C) Scheme.

As part of the GREAT Project Dissemination Centre and in conjunction with Údarás na Gaeltachta and Sustainable Energy Authority of Ireland

(SEAI), a B.E.C information evening was held on the 2nd December in Belmullet to discuss the successful delivery of funding to 12 local community groups who participated in the energy efficiency upgrade of their community buildings throughout the Erris Region.

There were short presentations from each community group, whereby they shared information, to other groups present, on the energy efficiency and upgrades works carried out under the scheme. Works carried out were in the range of new heating systems and controls; PV panel installation, e-cars; building insulation together with low U-value window and doors.

This session allowed for all groups to understand how the new technologies were working and allowed for idea generation in relation to new ideas when applying under the B.E.C Scheme due to be opened in February 2015 by SEAI.

Brendan Killion and Christian Jenne from the Mayo Energy Agency were in attendance and gave a general overview of technologies available.

Joe Durcan from SEAI advised the groups present of the application criteria needed for the 2015 B.E.C Scheme and also gave examples of other projects funded from around the country in 2014 as possible idea incentives for 2015.

Battery Seminar with Schmuell de Leon

On 22 and 23 January 2015, Trineuron will organise a battery seminar in association with EnergyVille. The seminar spans 2 days and will be held in **Genk, Belgium**.

The seminar program focuses on present and future needs of electrochemical energy sources and highlights the latest technological developments designed to satisfy application requirements.

The seminar program reviews typical cycle life aspects of designing and manufacturing energy source solutions: from application energy requirements, power source electrical and mechanical design, cells selection, cells evaluation tests, battery prototype, acceptance tests, design and manufacturing techniques, testing, mass production, safety issues, transportation, use and disposal.

Seminar Program Topics

- Battery characteristics
- Primary cells & batteries
- Rechargeable cells & batteries
- Lithium rechargeable cell

<http://trineuron.com/Brochure/EnergyStorageSeminar.pdf>

Údarás na Gaeltachta Internationalisation Incentives

Interest in the Internationalisation Incentives has been building over the last month. One Irish SME 10D has been successful and three further applications are in



progress. 10D offers 3D building design, 3D Revit modelling (Building Information Modelling), laser scanning data capture of the environment and of buildings, preparation of 3D digital terrain models and impact analysis (such as wind turbines, pylons etc.), laser scanned analysis and monitoring of structures, computer simulation and animation, sun and shadow analysis, right to light issues, Planning and planning appeal applications. 10D aims to increase their export services to the UK, the International Incentive Voucher will be used to attend the GEO Business Show in London in 2015.

Smart PV Grid Integration: Results and Recommendations Event Tuesday, March 24th, 2015 in Brussels.

MetaPV was the first project ever to show how PV can support the grid actively in hosting distributed generation. Find out how the hosting capacity can be increased at a fraction of the cost of traditional grid reinforcement. Discover what they've learned from controlling PV plants in real, historically grown distribution grids.

http://www.metapv.eu/sites/default/files/PR_MetaPV_WorkshopMay2013_20130429_final.pdf

EU Sustainable Energy Week 2015

The 2015 edition of the EU Sustainable Energy Week will take place from 15 to 19 June

2015. Also the **Sustainable Energy Europe Awards**, the EU reference prize for sustainable energy projects in Europe which were launched by the European Commission in 2006, are currently open to applicants until the 28th February 2015. More information on these events can be found on; <http://www.eusew.eu/>

KIC InnoEnergy Master School Alumnus wins Vattenfall Energy Award

Bram van der Heijde, a graduate of MSc Energy for Smart Cities, has won the Vattenfall Energy Award for his thesis 'Big Data Analytics towards a Retrofitting Plan for the City of Stockholm'. "Big Data and Smart Cities are buzz words of our time. The thesis demonstrates a methodology to evaluate measures for decreasing the energy use and the environmental impact of the complicated system we call cities.", says the jury that also recommends Bram's use of recent methodologies for studying a timely topic. Bram van der Heijde graduated last year by means of this thesis as MSc Energy for Smart Cities at KTH in Stockholm. The thesis used data on the hot water usage in Stockholm as a big dataset to analyse around 15.000 buildings in the city (for the year 2012). With the resulting calculations Bram mapped the energy use and energy saving potential for each district in Stockholm. After graduating, Bram has started working as a researcher in the Thermal System

Simulation research group of EnergyVille, focusing on the role of thermal energy storage in increasing flexibility in thermal networks.

Consultation on Future Energy Policy in Ireland

As part of the development of a new 'White Paper' a consultation on future energy policy was held in Sligo on Friday 28th November 2014.

This was one of the series of 3 regional consultations which were co-hosted by the Department of Communications, Energy and Natural Resources, Irish Rural Link and THE Western Development Commission. The first was held in Moate on 21st November and the final regional consultation will be held in Cork on 12th December.

The GREAT Project, represented by Seán Ó Coisdealbha, (GREAT Project Manager) participated in the workshop.

Guest Speakers were;

- **Ken Spratt**, Assistant Secretary for Energy, Dept of Communications, Energy & Natural Resources.
- **Dr. Brian O'Gallachóir**, Principle Investigator in Energy Policy & Modelling , UCC.
- **Brendan Hennessy**, Regional Development Officer, Social Justice & Equality St. Vincent de Paul
- **Chairperson: Seamus Boland**, CEO, Irish Rural Link

<http://wdcinsights.wordpress.com/2014/11/24/consultation-on-future-energy-policy-sligo/>