

## Wood Fuel Supply Chain Costings and Standards

Hosted by Forest Sector Development/COFORD Division, and presented by Pieter D. Kofman, senior consultant wood for energy, a series of workshops on:



- supply chain costings: What are the costs of producing and delivering wood chips depending on tree species, basic density, moisture content at different stages of the production process, ash content, harvesting and chipping costs, transport distance, storage period etc?
- new ISO EN (European) standards for solid biofuels, particularly for non-industrial applications: wood chip, pellets, briquettes, firewood
- units and conversion: Units, conversion factors and formulae for wood for energy. Make sense of units such as: m<sup>3</sup> solid, m<sup>3</sup> loose volume, tonnes, GJ, kWh, and understand the importance of moisture and energy content in determining price and return on investment.
- New software will be demonstrated and provided that will answer questions such as:
  - what will my annual cost be for an alternative (bio) fuel compared to my present consumption of fossil fuel (coal, oil, electricity, peat)
  - how long a pay-back if I change to another fuel?
  - what are the costs of producing and delivering wood chips depending on tree species, basic density, moisture content at different stages of the production process, ash content, harvesting and chipping costs, transport distance, storage period etc?
- the Ecodesign Directive (EU) 2015/1188 of 28 April 2015: This Regulation establishes ecodesign requirements for the placing on the market and putting into service of domestic local space heaters with a nominal heat output of 50 kW or less and commercial local space heaters with a nominal heat output of the product or of a single segment of 120 kW or less.
- EUTR and importation requirements: The European Union Timber Regulation (EUTR) is one part of the EU's FLEGT (Forest Law Enforcement, Governance and Trade) Action Plan which is aimed at helping to stamp out illegal logging worldwide. The Regulation entered into force on 3<sup>rd</sup> March 2013 and it is directly applicable in all EU Member States. Forest Protection and plant requirements Ireland's protective status.

The workshops are aimed at anyone with an interest in wood for energy and no prior training is required. It is particularly useful for farmers/forest owners, engineers, chipper and boiler manufacturers and installers and suppliers, forest contractors, wood fuel suppliers, people who want to install a wood boiler, state forest services, advisory services, consultants etc.

The workshops will take place at the following venues and dates:

- **Sligo:** Sligo Park Hotel, Pearse Rd, Sligo. **Tuesday 21st June**
- **Portlaoise:** The Killeshin Hotel, Dublin Road, Portlaoise. **Wednesday 22nd June**

- **Tralee:** Meadowlands Hotel Oakpark, Tralee. **Thursday 23rd June**

Registration fee is €35 per person. This includes a copy of the costings software, tea/coffee, USB keys with associated programmes and handouts. The workshop is limited to 20 participants so prior registration is essential - contact Orla Cashen tel: 01 6072487, or email [orla.cashen@agriculture.gov.ie](mailto:orla.cashen@agriculture.gov.ie)

The event will attract

**4 Society of Irish Foresters CPD points and**

**4 Engineers Ireland CPD points.**