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New biomass production, supply chains and markets

Douglas Bradley

World Bioenergy Association, Sweden

To-date most long distance biomass trade has been white pellets to replace coal in European heat plants and power stations. Black pellets are now being transported across oceans, but markets are tentative due to a cost premium over white pellets. Although pyrolysis oil has been produced since 1989 and is twice as energy dense as wood pellets, it is only now beginning to be recognized as an excellent medium for transporting energy long distances economically. This presentation will examine supply chain enhancements for black pellet supply chains that will open up new production sources and make long distance trade more viable. It will also show the tremendous recent growth in pyrolysis oil capacity worldwide, examine the wide scope of markets both in Europe and Japan, illustrate how supply chains are expanding from road and rail to bulk shipping, and will examine current and future sources of supply, including Australia, Malaysia and Canada.

smamishi@sina.tums.ac.ir