

Managing Timber Transport in Ireland

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Republic of Ireland

Approx 11% forest Cover

7% Coillte

4 % private

Timber Production

20122.84 mi m3

2.35 mi, Coillte

0.49 mi, Private Forests

Private sector supply set to increase significantly

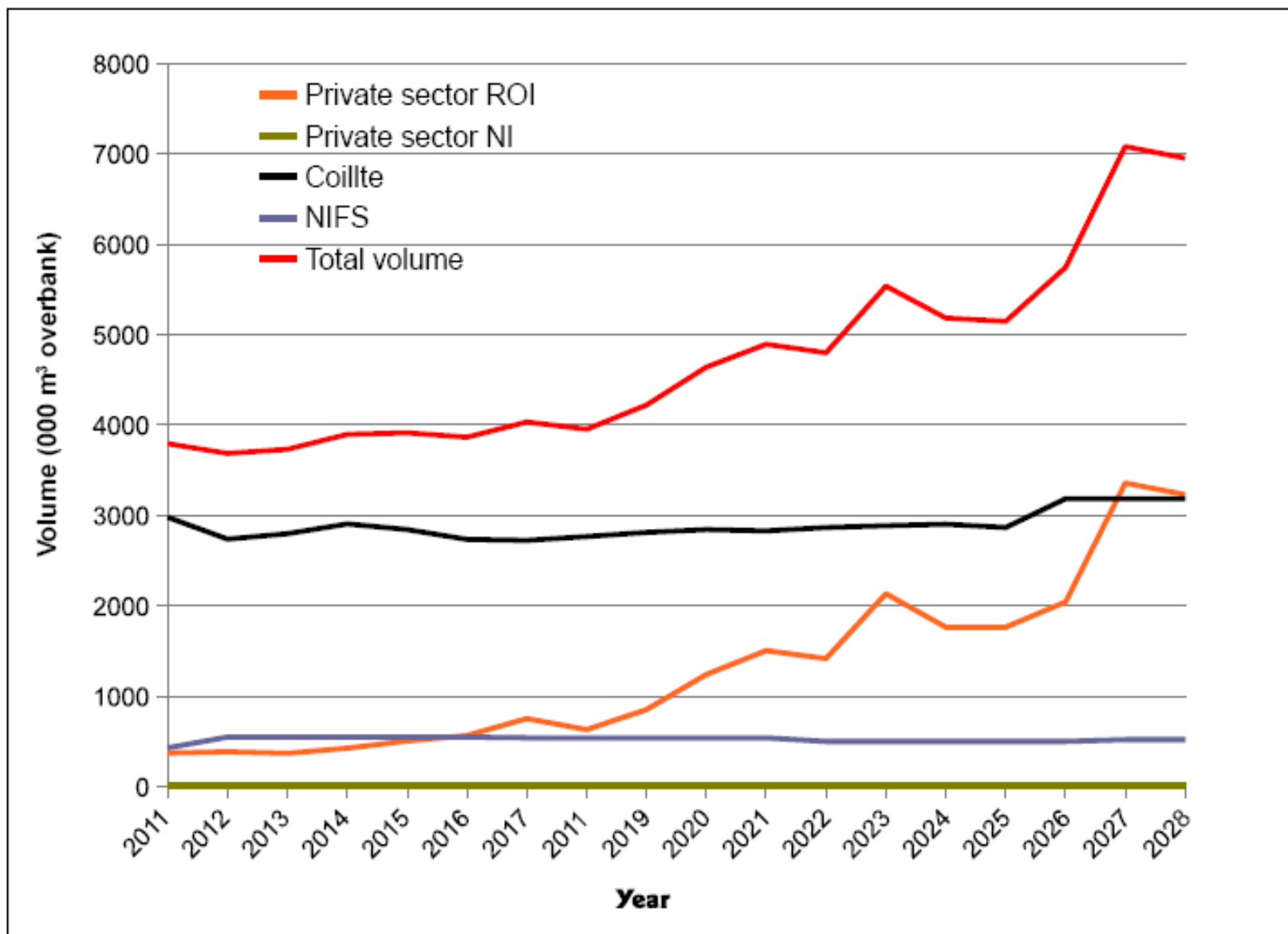


Figure 1: Forecast of standing volume production 2011-2028.

Coillte Group



Coillte Forest, 455K Ha forest

8 Geographic areas, Business Area Units

Support areas (Technical Services, IT, Finance, HR...)

Coillte Enterprises

Wind

Telecoms

Biomass

Nurseries

Coillte Panel Products, CPP, using 1mi m3 thinnings annually

Smartply...OSB

Medite.....MDF

Timber Processing.

**All available timber is utilised domestically,
Sawmills,
Panelboards
Wood energy, incl firewood.**

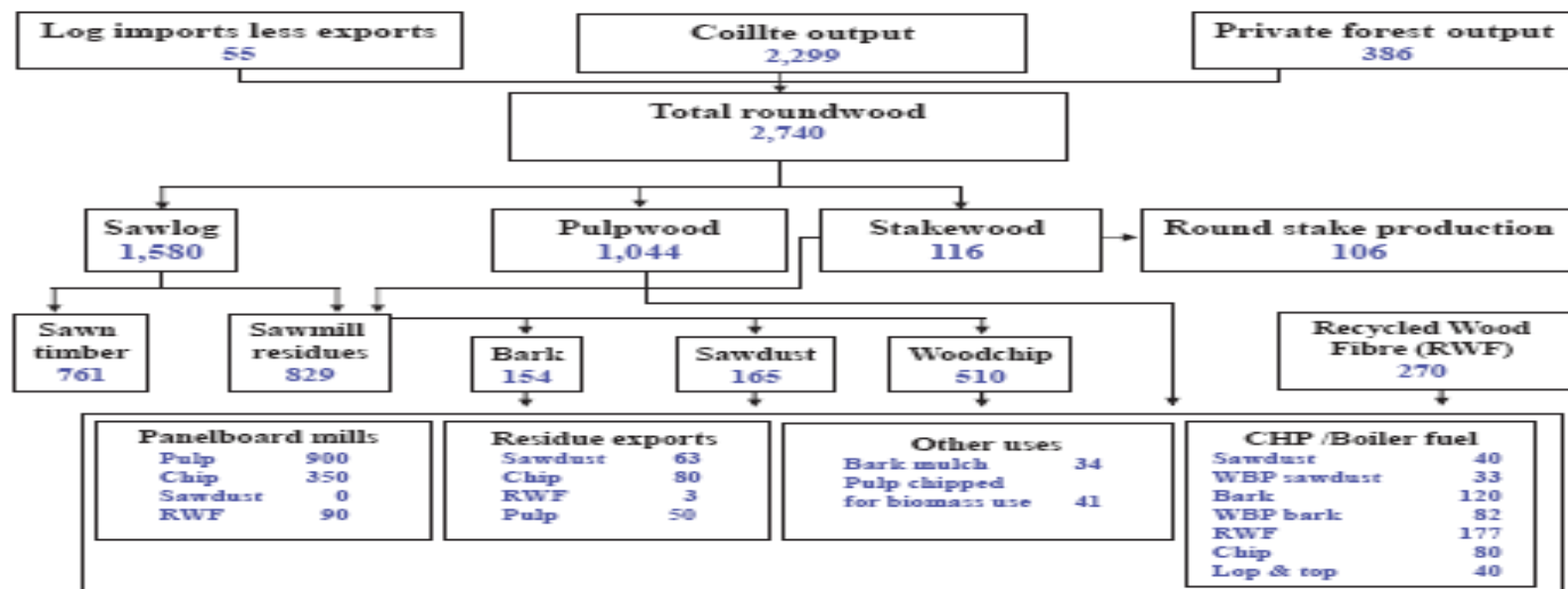
Exports;

Major increase in timber product exports since 2007.

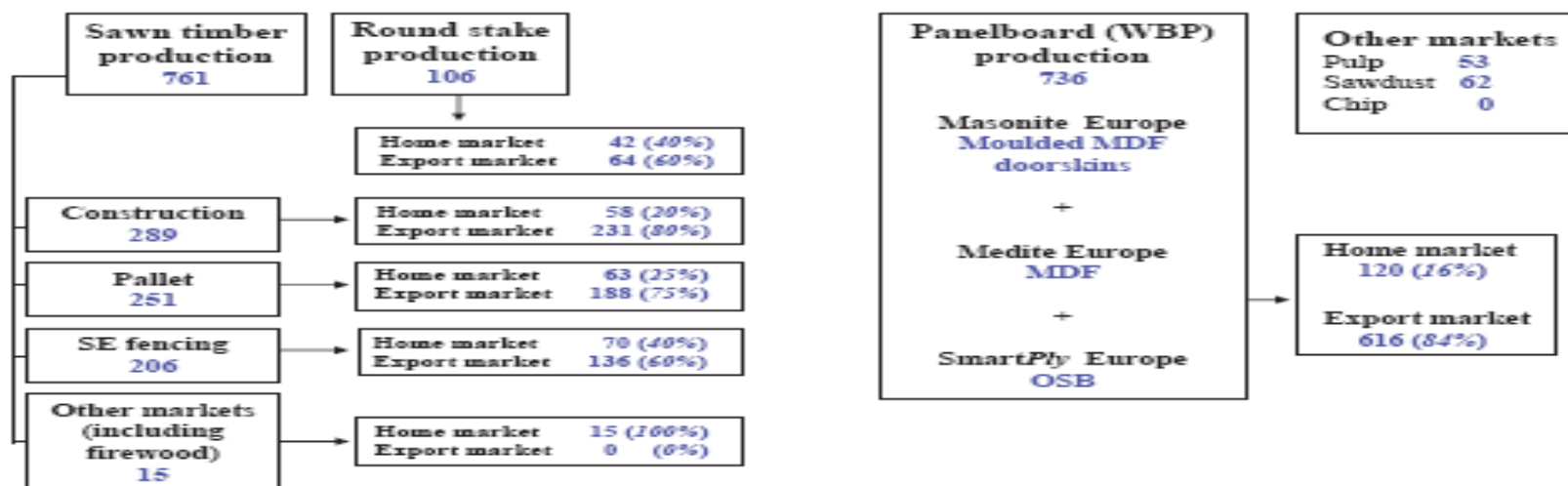
Close to 90% of output from the panelboard sector. (Leading supplier to UK of MDF and second for OSB)

Approx 60% of Sawmill output is exported

Figure 1: Republic of Ireland Woodflow, 2011 (000 m³) overbark



Breakdown of 2011 wood products (000 m³)



Haulage infrastructure

Over 300 Trucks in use, but not all artics 'dedicated' to timber haulage.

Survey, 15/1/2014, showed 199 trucks entering mills, of which;

74% Artics (148)

49% had cranes fitted

51% Flats, w/o cranes, loaded by Artic double drives or other local arrangements.

26% Rigids and Trailers (51)

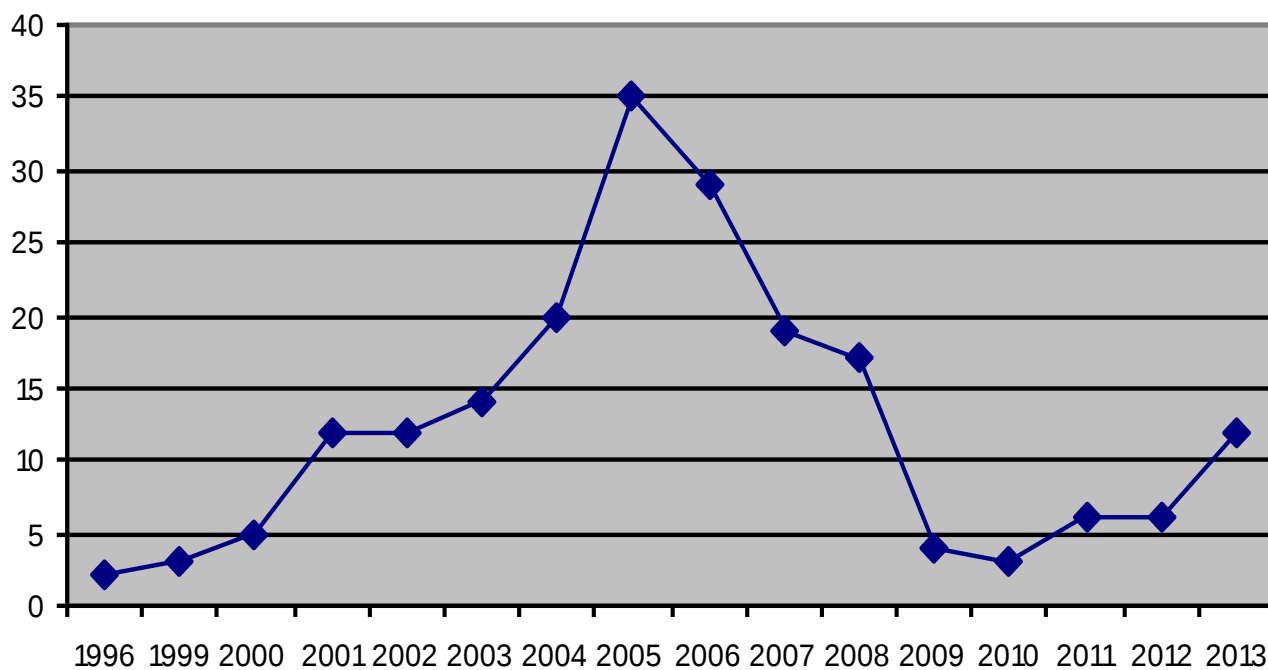
**No specialist off road vehicles. No huge forestry blocks.
Maximum internal forest road lengths , 8 or 9Km.**

Trucks in use...Age

(Jan 2014 Survey, average age of 8 yrs)



Number of Trucks purchased each year



Haulage Management

**Coillte..... own no trucks, but issue contracts to hauliers via tendering system
manages haulage delivery to panelboardmills, i.e. 1mi m3, small dimensioned, thinnings mainly.**

Sawmills.... purchase standing timber via auction system and engage own hauliers. More 'partnership' arrangements

Some hauliers operate for both Coillte and the Sawmills. Increasing private sector timber supply, some to firewood market, more suited to Rigid and Trailers

Small amount of rail haulage from NW to Smartply in Waterford.

Coillte has records of all lorry weights of its timber delivered over weighbridge, (sawlog and thinnings), via the Automatic Weighbridge Systems....driver keyfobs used. Still a paper docket system.

Haulage Procurement



Code Practice for Governance State Bodies

EU Procurement Directives

Public Procurement Guidelines

Group Procurement Policy

Summary Practices and Procedures for Procurement of Goods, Services and Works	
Estimated Value (Euro)	Procedure and Practices
Below 5,000	Purchased on the basis of verbal quotes from one or more competitive suppliers.
Between 5,000 and 25,000	Minimum of three written quotes in response to specification for goods/services sent by fax or email.
Between 25,000 and 125,000	Advertise as a national tender on etenders (government procurement website portal). Can only use the Open Tender procedure in this threshold.
Between 125,000 and 200,000	Advertise as part of a national tender process on etenders.
Over 200,000 (EU advertising threshold as at December 2010)	Advertise as part of an EU tender process in the Official Journal of the European Union (OJEU). Run in accordance with the EU Directives.
Capital Works exceeding 5,000,000 (not restricted to construction)	Advertise as part of a EU tender process in the OJEU. Run in accordance with the EU Directives.

Haulage is a 'Priority Service' (Subject to EU Directive)



Two Stage process

EOI/PQQ – demonstrate capacity, technical, fleet, personnel, financial.

Tender – Specific Packages of Work – Geographically based

Award Criteria – Price and Capability/Capacity of delivering on Contract.

Condition of Contracts – Tax Clearance, Insurance, Verification of Fleet etc, In Cab Technology.

.....

Coillte Contracts.

24 Packages – averaging 38k tonnes, 2003.

Had > 30 packages 2012

Durations have varied from 1 to 3 years over past five years

Forest Industry Transport Group (FITG)

Over 10 years in existence

Partnership approach

Industry Stakeholders, but Group expanded in 2012/2013 to include Dept of Transport, Local Authorities

No direct Funding, but have accessed some research and consultancy funding through constituent members.

One FITG Group Nationally, no region structure

FITG, current areas of interest.

Good Practice Guide for Timber Transport.....

Agreed Routes.....

**Submission re 46T GVW for Rigid and Trailers.
GVW increase in 2013 to 46T for appropriate artics, not
including Rigid and Trailers.**

**Submission on Variable Tyre Pressure, seeking stimulus
funding**

Forest Entrances, planning permissions

Good Practice Guide (GPG)^{coillte} for Managing Timber Transport

**Focus is on 3 general areas to lessen the impacts;
Good Communication, planning and Management
Optimum Vehicle Selection
Compliance with Legislation and Guidelines**

**Agreed routes project, €180k funding secured via UCD for 2 yr
National project, 2014/2015, to include
Coillte designated routes,
Private forestry sector,
Local Authorities road condition survey.**

**Suite of other options for consideration;
Reduced payload, timing of operations and avoiding convoys,
rigid and trailer only, reduced speeds, wide tyres, twin tyres,
VTP, Temp suspension of activities, prep work such as road
upgrade, cutting back vegetation/trees, drainage works.**

Coillte Initiatives to improve Haulage Efficiency.....in-cab technology

Project involving installation of in-cab technology, (2012/2013), to improve planning, efficiency and timber security.

Funded jointly by;
Coillte, 45%
Sustainable Energy Ireland, 35 %
Haulier, 20%

Bluetree system installed,
providing information on;
vehicle tracking
engine management
Driver performance



Operation of Bluetree System

**225 Trucks and a similar number of trailers fitted out,
with discussions ongoing on the remainder**

Trucks and trailers are tracked individually

**System integrated with Coillte information systems to
improve timber security. Vehicles are under
surveillance while in Geofenced area in forest and
tracked until offloaded and outside the mill
geofenced area.**

Management by Logistics Dispatch Service Provider.

Coillte Haulage Logistics Management

Asset Forestry Logistics Ltd appointed, following RFP and analysis of various management systems.

**Currently working with Coillte in 2014 on developing and piloting a centralised system,
truck database,
Keyfob information,
Designated routes, etc.**

Moving towards Smart Timber security, Paperless dockets, Central dispatch..... on a progressive basis.

Regulatory Compliance



Moving towards full compliance.

**Increased 'interest' and focus on part of
Health and Safety Authority
Road Safety Authority**

Coillte pro-actively working toward this.

**Overloading. Ongoing monitoring, with penalty system
Training and Certification. Haulier Workshops to
outline Coillte policy on Training and Certification
requirements for loading and haulage of Roundwood Timber
from Coillte Estate.**

**Workshops will deal with Policy, Implementation and
compliance.**

**Also, Driver Training and crane competency certification
Timber loading Crane inspections (GA1 certs)**

Summary.



Industry undergoing significant change

Fairly stable cohort of hauliers

Ageing fleet

Improving technology

Increased regulation

Increased focus on environmentally friendly haulage

Increased communication with local authorities.