Forest Products Markets in Slovenia

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Slovenia

- More than 60% of land covered with forests
- Mixed forests prevail
- More than 70% of forests are privately owned
- Average forest estate less than 2.5 ha
- More than 30% of apartments heated with wood
- Wood processing industry in decline
Production of roundwood

Yearly production of round wood is estimated around 4,000,000 m³

Production should increase in next years

Source of data: MAFF, SFI
ROUNDWOOD REMOVALS (underbark)

Source: JFSQ

*** only removals from the forest are included
Export of round wood

After 2004 is increasing

Sawlogs – main market is Austria

Wood fuel – main market is Italy

Source of data: SORS, SFI)
Import of round wood

After 2004 import of industrial roundwood decreasing, wood fuel increasing (from SEE countries)

Source of data: SORS, SFI
Use of roundwood (average 2004-2009)

- Energy production: 31%
- Sawnwood production: 47%
- Veneer production: 3%
- Pulp production: 13%
- Particle or fiberboard production: 5%
- Other industrial roundwood use: 1%
Market of round wood – from private forests

Source of data: SORS, SFI
Wood industry - production

Source of data: SORS, SFI
Sawnwood production

- Large survey done in 2007 (Slovenian forestry institute)
- Results: we estimated that there is more than 700 sawmills, yearly production is more than 1,700,000 m³ of sawnlogs

Structure of sawnwood production by size of sawmill and by amount of sawnwood:

<table>
<thead>
<tr>
<th>Business subjects (number of employees)</th>
<th>Structure according to the number of employees</th>
<th>Structure according to the quantities of sawn logs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registered additional activity on farms</td>
<td>0.20</td>
<td>0.03</td>
</tr>
<tr>
<td>0-1</td>
<td>0.45</td>
<td>0.09</td>
</tr>
<tr>
<td>2-4</td>
<td>0.16</td>
<td>0.12</td>
</tr>
<tr>
<td>5-9</td>
<td>0.06</td>
<td>0.14</td>
</tr>
<tr>
<td>10-19</td>
<td>0.04</td>
<td>0.14</td>
</tr>
<tr>
<td>More than 20</td>
<td>0.08</td>
<td><strong>0.48</strong></td>
</tr>
<tr>
<td>Total</td>
<td>1.00</td>
<td>1.00</td>
</tr>
</tbody>
</table>
Use of wood biomass – energy sector

Use of wood biomass in different sectors in Slovenia (2009)

Source of data: SORS, SFI
Use of wood biomass – households

Number of households using wood for heating and number of households that produces wood biomass by them self’s

Source of data: SORS,
Producers of wood chips
(Slovenia 2008)

More than 65 registered producers
The capacity of wood chippers is more than 1,500,000 loose m³, the yearly production is less than 500,000 loose m³
Production of wood pellets

- 3 registered producers
- Users: household, some schools, a few micro systems

Source of data: SORS,
New challenges

- Organisation of small forest owners
- Organisation of regional centres for primary wood processing
- Stronger connections between forestry and wood processing industry
- Biomass trade and logistic centres
- Energy contracting
Thank you for your attention

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