Supporting tools and biomass potential in Slovenia

Veronika Valentar - Chamber of agriculture and forestry Slovenia

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LAND USE IN SLOVENIA

Forests:
- 1,184,526 ha;
- 75% private, 25% state owned
- 313,000 properties,
- 461,000 owners and co-owners
STRUCTURE OF FOREST PROPERTIES IN SLOVENIA
FORESTS IN SLOVENIA

- Beech, fir-beech and beech-oak sites (70 %)
- Growing stock is approximately 338 million m³
- Annual increment is about 8.4 million m³
- Annual cut was between 3.4 and 3.9 million m³ (before large natural catastrophes after 2014)
Wood stock
338 Mio. solid m³

- Coniferous: 46%
- Broad-leaved (hard): 47%
- Broad-leaved (soft): 7%

Project co-financed by the European Regional Development Fund
• forest estates over 100 ha: about 300
• almost half of forests are owned by family farms
• average forest estate of family farm: 5.1 ha
• average forest estate of other owners: 1.7 ha
LOCAL FOREST OWNERS ASSOCIATIONS

Foundation: 5.5.2006
- 11 local forest owners societies
- 1000 forest owners

TODAY:
- 29 members (local forest owners societies)
- about 4000 forest owners
THE HIGHEST QUALITY FROM SLOVENIA

The site potential in Slovenia enable the best European quality wood for veneer production
WOOD BIOMASS POTENTIALS FOR ENERGY USE

- About 10% of wood stock and woody rests from agriculture (permanent plantations and cleaning of pastures);
PROFFESIONAL AND „SUNDAY“ WOOD CHIPPERS

• The forestry machinery and wood chippers have been supported by CAP (Slovenian rural development program) in past periods;
• Promotion od the use of biomass in municipalities, which decide mostly for smaller heating networks for purpose of heating public buildings;
• Structural policy measures supported heating boilers >1MW;
  - Capacity of wood chippers exceeds the actual needs of wood chips in Slovenia

Supporting rate for machinery and heating boilers is 40-60%
OTHER SUPPORTING TOOLS AND MEASURES

For forest owners and professionals:
- Web tool for control of actual data about the forest property (possible to check plots or sites,...:
http://prostor.zgs.gov.si/pregledovalnik/
CALCULATIONS, WOOD SUPPLY CHAINS, PRICES,

http://wcm.gozdis.si/
developed by Slovenia forestry institute

Cost calculation

The user of the web tool can independently select processes and machines, thus composing own harvesting system for which the cost is calculated. Using different machines user are able to examine the impact of the selection of different machines on the total cost of harvesting process. The tool has built-in logical controls that prevent the user to choose harvesting system that is impossible.

We invite you to test the tool for calculating costs and visualizing the harvesting systems by yourself. If you are using the tool, we recommend reading the "Content, Basis and Cost Calculation methodology" page before using it. In order to understand all the professional terms and selected examples of harvesting systems and interactive user instructions are presented.
ROUND WOOD MARKET POTENTIALS

Works as a decision making tool for municipalities or enterprises