

CONSUMERS OF WOOD BIOMASS IN THE SLOVAK REPUBLIC



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THE WOOD BIOMASS MARKET IN SLOVAKIA

MEETS DEMAND OF THREE MAJOR INDUSTRY CONSUMERS:

- **PULP AND PAPER INDUSTRY**
- **PRODUCERS OF WOOD-BASED PANELS**
- **ENERGY SECTOR**

MAJORITY OF DEMAND AIMED AT THE SAME INPUT ASSORTMENTS

IT CAUSES



PRESSURE ON THE PRICE

INSUFFICIENT AVAILABILITY OF INPUTS

CHANGES IN THE INPUT ASSORTMENTS INTO ABOVE MENTIONED SECTORS

SECTOR	INPUTS	OUTPUTS	MAJOR PRODUCERS / Approx. annual consumption of pulpwood (2014)
PULP AND PAPER INDUSTRY	<ul style="list-style-type: none"> ➤ Pulpwood (dominantly non-coniferous) ➤ Wood residues 	<ul style="list-style-type: none"> ➤ Paper ➤ Cellulose ➤ Energy from incineration of dissolved organic parts of wood 	<ul style="list-style-type: none"> ➤ Mondi SCP, a. s. in Ružomberok / 2 070 thousand m³ ➤ Bukóza Holding, a. s. in Hencovce / 300 thousand m³
PRODUCERS OF WOOD BASED PANELS	<ul style="list-style-type: none"> ➤ Wood chips ➤ Wood residues (e.g. scrapwood / slabwood, sawdust) ➤ Pulpwood (dominantly coniferous) 	<ul style="list-style-type: none"> ➤ Wood-based panels 	<ul style="list-style-type: none"> ➤ Bučina DDD, s.r.o. in Zvolen / over 232 thousand m³ ➤ Ikea Industry Slovakia s.r.o. in Malacky (Sweedspan Slovakia) / 375 thousand m³
ENERGY SECTOR	<ul style="list-style-type: none"> ➤ Fuelwood ➤ Wood chips ➤ Pulpwood 	<ul style="list-style-type: none"> ➤ Production of electricity ➤ Production of heat 	<ul style="list-style-type: none"> ➤ Dalkia, a.s. in Žiar nad Hronom / 130 thousand m³ ➤ Energy Edge ZC, s.r.o. in Žarnovica / 80 thousand m³ ➤ Zvolenská teplárenská, a.s. in Zvolen / 60 thousand m³ ➤ DAH Biomasa, s.r.o. in Bardejov and in Topoľčany / 60 and 45 thousand m³

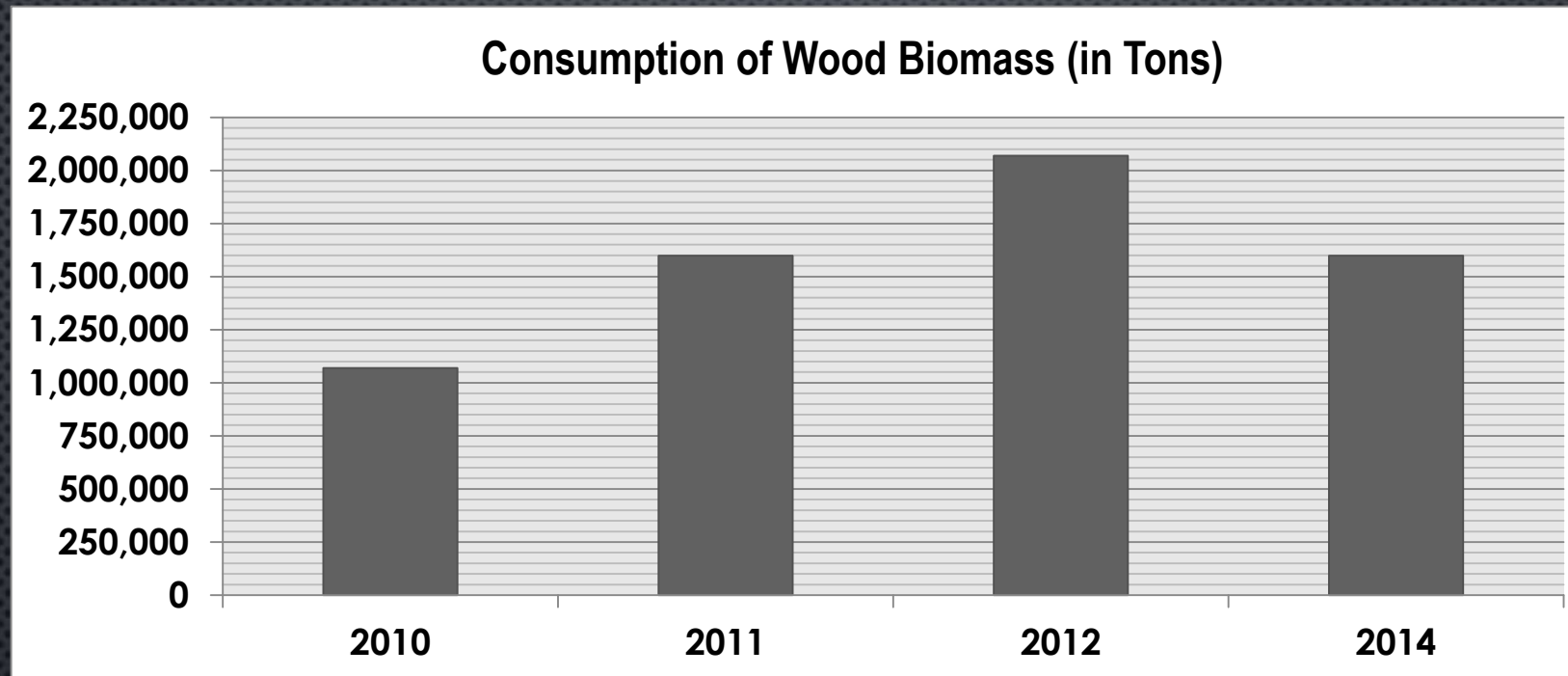
2010-2014

ENORMOUS DEMAND FOR **PULPWOOD** = LACK OF SUPPLY IN THIS PERIOD

COMPENSATION:

- IMPORT
- ASSORTMENTS OF HIGHER QUALITY CLASSES (ESPECIALLY SAWLOGS) ARE PROCESSED INTO CHIPS





CONSUMPTION OF WOOD BIOMASS **DOUBLED IN 2012** COMPARING TO 2010

- LACK OF SUPPLY MAGNIFIED BY EXPORT
- GROWTH OF THE WOOD BIOMASS PRICES ON THE SLOVAK MARKET
- SIGNIFICANT INFLUENCE HAD DEMAND AND PURCHASE POWER OF AUSTRIAN IMPORTERS

YEAR 2014

DECREASE OF CONSUMPTION IN 2014 HAVE CAUSED:

- CALAMITIES ACROSS THE CENTRAL EUROPE (SATURATION OF WOOD MARKET, E.G. IN AUSTRIA)
- PROJECT AND TECHNOLOGICAL PROBLEMS OF COMPANIES IN ENERGY SECTOR
- PLANNED CAPACITIES OF NEW ESTABLISHED PLANTS HAD NOT BEEN ACHIEVED
- SOME CONSUMERS FINISHED OPERATION (SMREČINA HOFATEX, A. S. IN 2013)
- MILD WINTER HEATING SEASON (BEGINNING OF 2014)

COMPARISON OF THE PRICES OF PULPWOOD AND (ENERGETIC) WOOD CHIPS

RECALCULATION OF PULPWOOD PRICE IN 2015: 79,37 €/ATRO TON

MARKET PRICE IS 36 €/M^3 (PRICE OF PULPWOOD) + 8 €/M^3 (TRANSPORT) + 6 €/M^3 (CHIPPING) = 50 €/M^3 DAP

RECALCULATION OF WOOD CHIPS PRICE IN 2015: 84,55 €/ATRO TON

MARKET PRICE IS $46,5 \text{ €/T DAP}$ WITH THE MOISTURE 45 %

RECALCULATED PRICES DEMONSTRATE THAT $5,18 \text{ €}$ IS SAVED BY PURCHASE OF ONE ATRO TON OF PULPWOOD INSTEAD OF THE SAME AMOUNT OF WOOD CHIPS.

CURRENT MARKET SITUATION

- OVERSUPPLY - NOT ONLY PULPWOOD, ALSO HIGHER QUALITY ASSORTMENTS – PROBLEMS TO PLACE SAWLOGS ON THE MARKET
- LOWER PRICES
- AUSTRIAN PULP MILL (HEINZEL GROUP) LAUNCHING PRODUCTION AFTER BRAKEOUT
- UKRAINE ANNOUNCED „STOP OF EXPORT“ FROM OCTOBER, 15TH