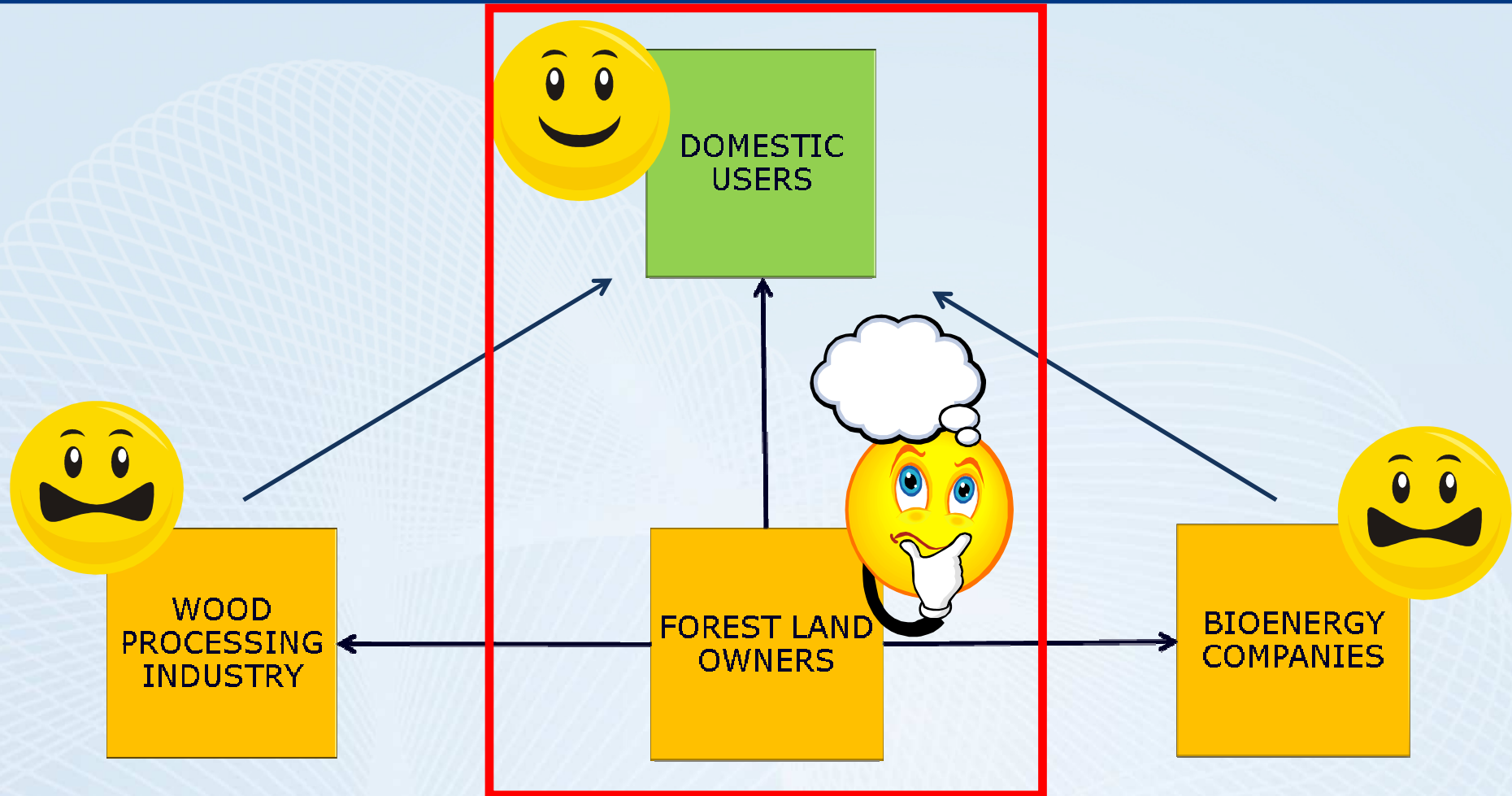


Availability of forest fuels: regional energy concepts and consumer acceptance

Josef Walch, Fachhochschule Wiener Neustadt, Campus Wieselburg

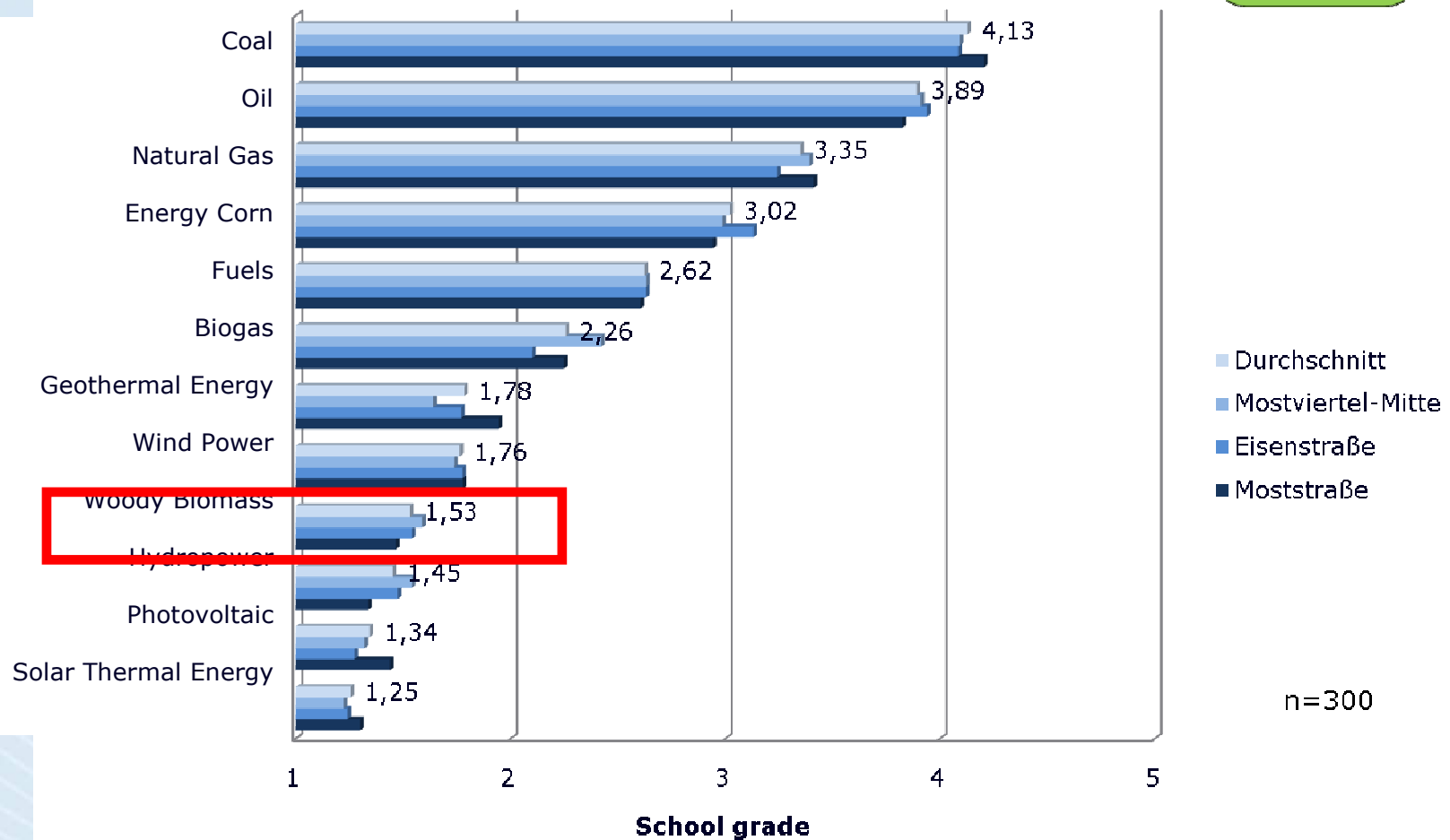
Perceived forest fuel availability



Opinion on energy sources in the "Mostviertel" region (Part of lower Austria)



PRIVATE
CUSTOMERS



Source: [2] Basis: 300 Households,
Mostviertel, 2010

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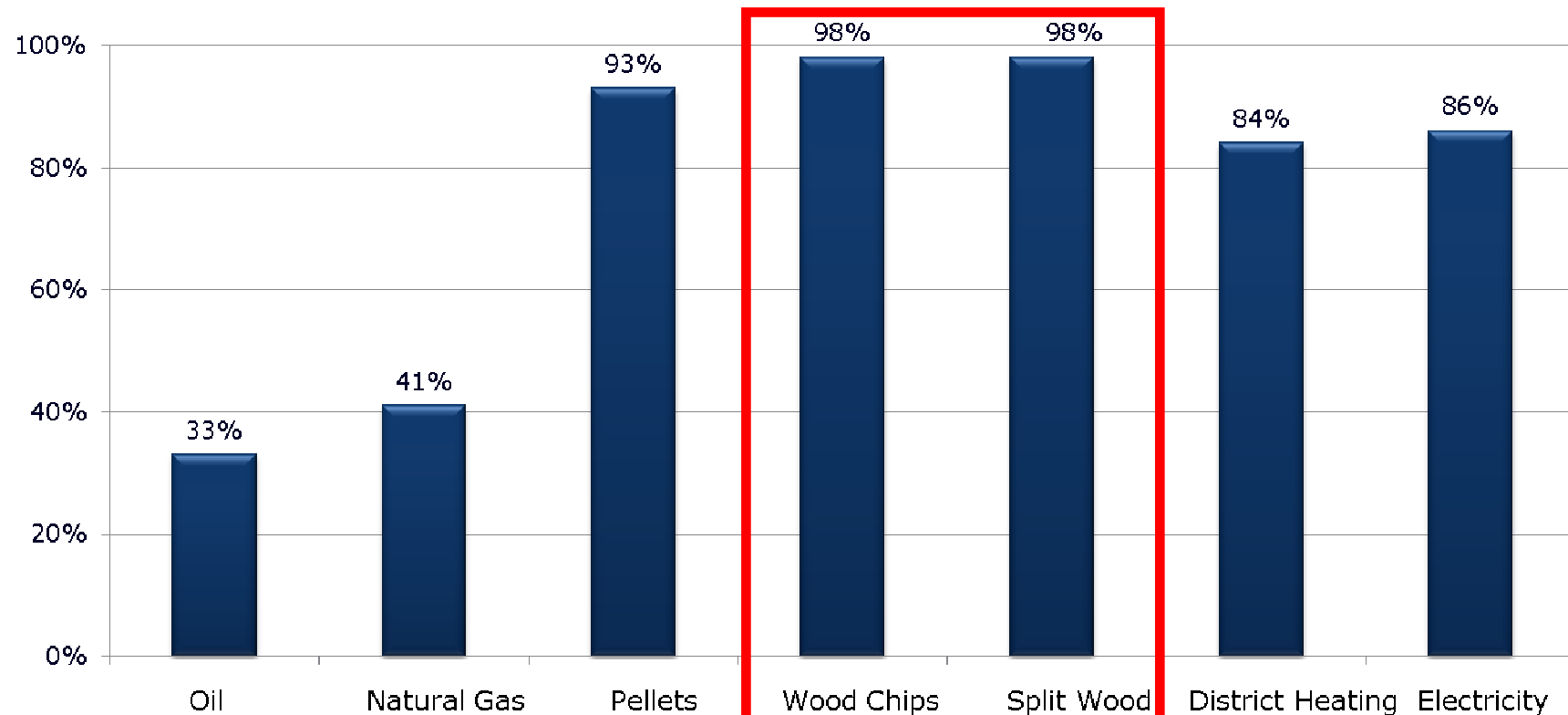
...the buying public does not expect a shortage in supply of forest fuels any time soon! (Scope: Austria)

„Wood is growing, hence there will always be enough available.“



PRIVATE
CUSTOMERS

Percentage of people expecting secure fuel supply in the next 20 years. Wie viel Prozent der Befragten schätzen die Versorgungssicherheit mit den folgenden Brennstoffen in den nächsten 20 Jahren als SICHER ein?



Critical and very critical decision factors for buying a boiler (Scope: Austria)



PRIVATE CUSTOMERS

Problem-free functioning

100,0%

Security of fuel supply

100,0%

Environmental friendliness

94,4%

Operation costs

92,4%

Danger

91,7%

50% 60% 70% 80% 90% 100%

Basis: Personen, die auf ein Heizsystem mit erneuerbaren Energien umgestiegen sind und die das jeweilige Motiv als „sehr wichtig/wichtig“ beurteilen.

Angaben in Prozent

Source: [1]

Forest land owners perspective: Availability of forest fuels – a question of price?

FOREST
LAND
OWNERS

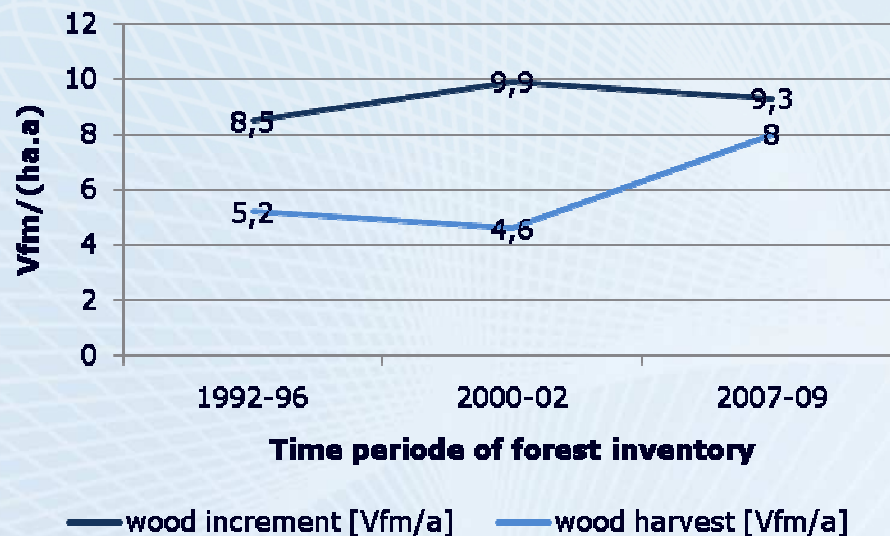


Wood increment and wood harvest in Lower Austria, private forest owners

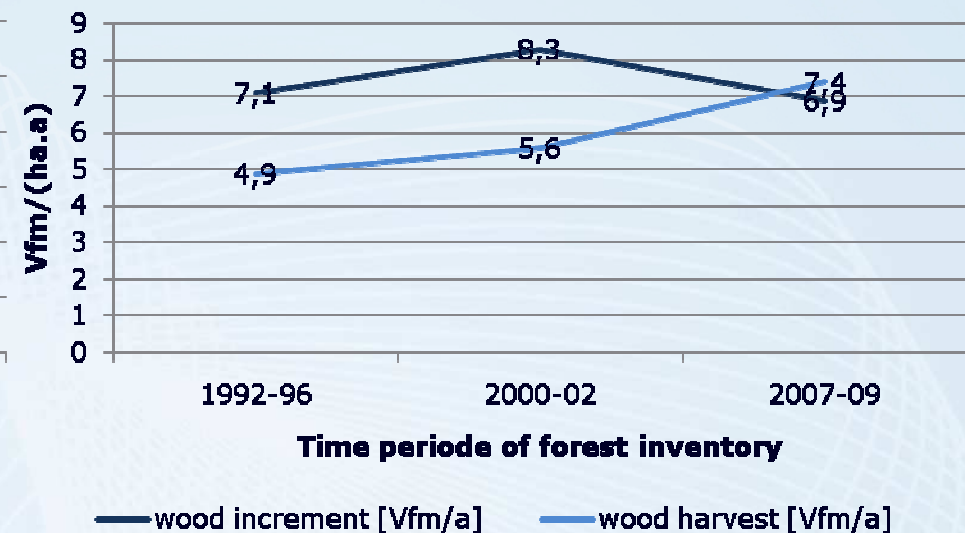
FOREST
LAND
OWNERS



< 200 ha, timber forest



200 - 1000 ha, timber forest



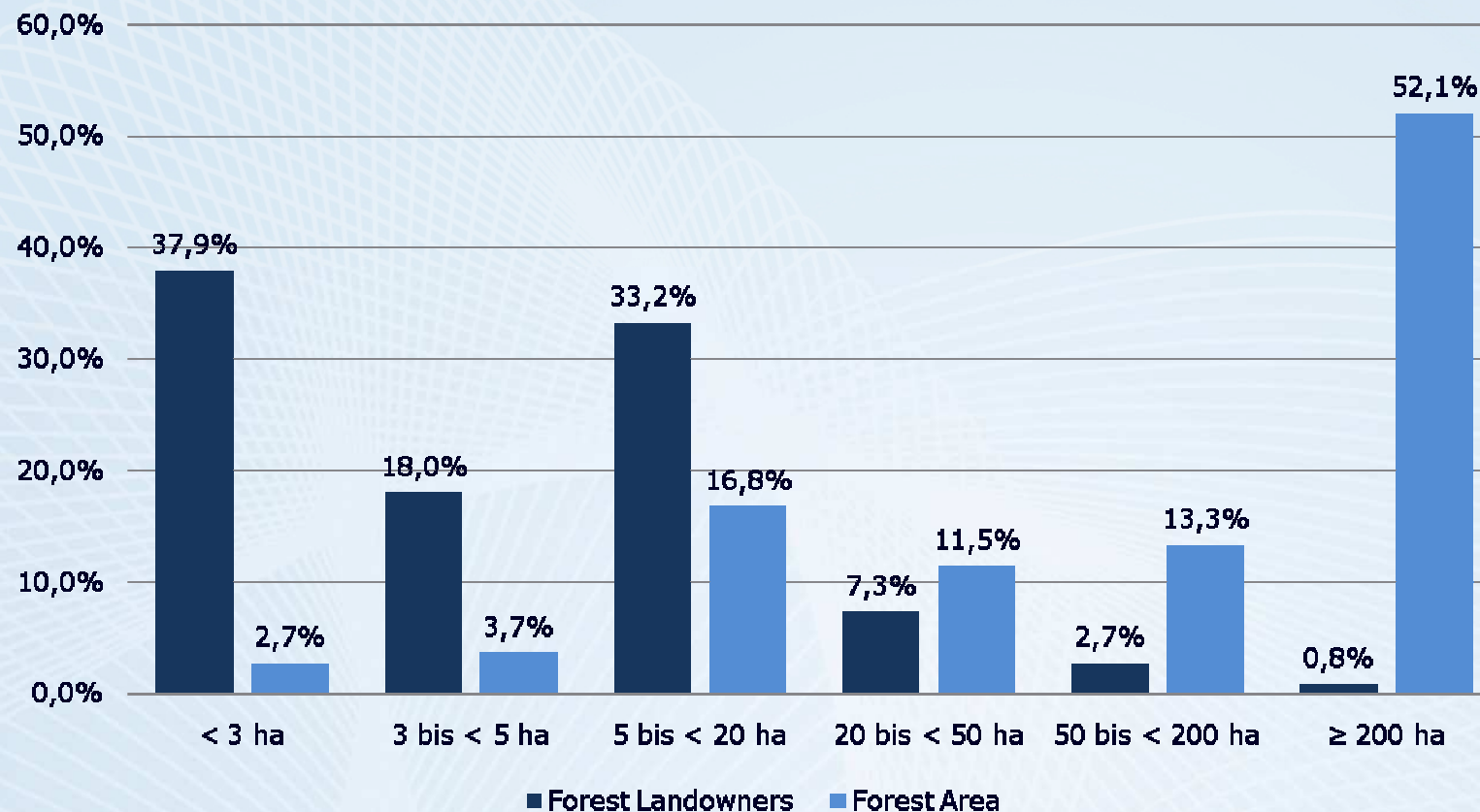
Source: [7]

Forest ownership structure

FOREST
LAND
OWNERS



Relative distribution of forest area in Austria



Reference: Agrarstrukturerhebung 1999

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Sustainable forest management value chain priorities

FOREST
LAND
OWNERS



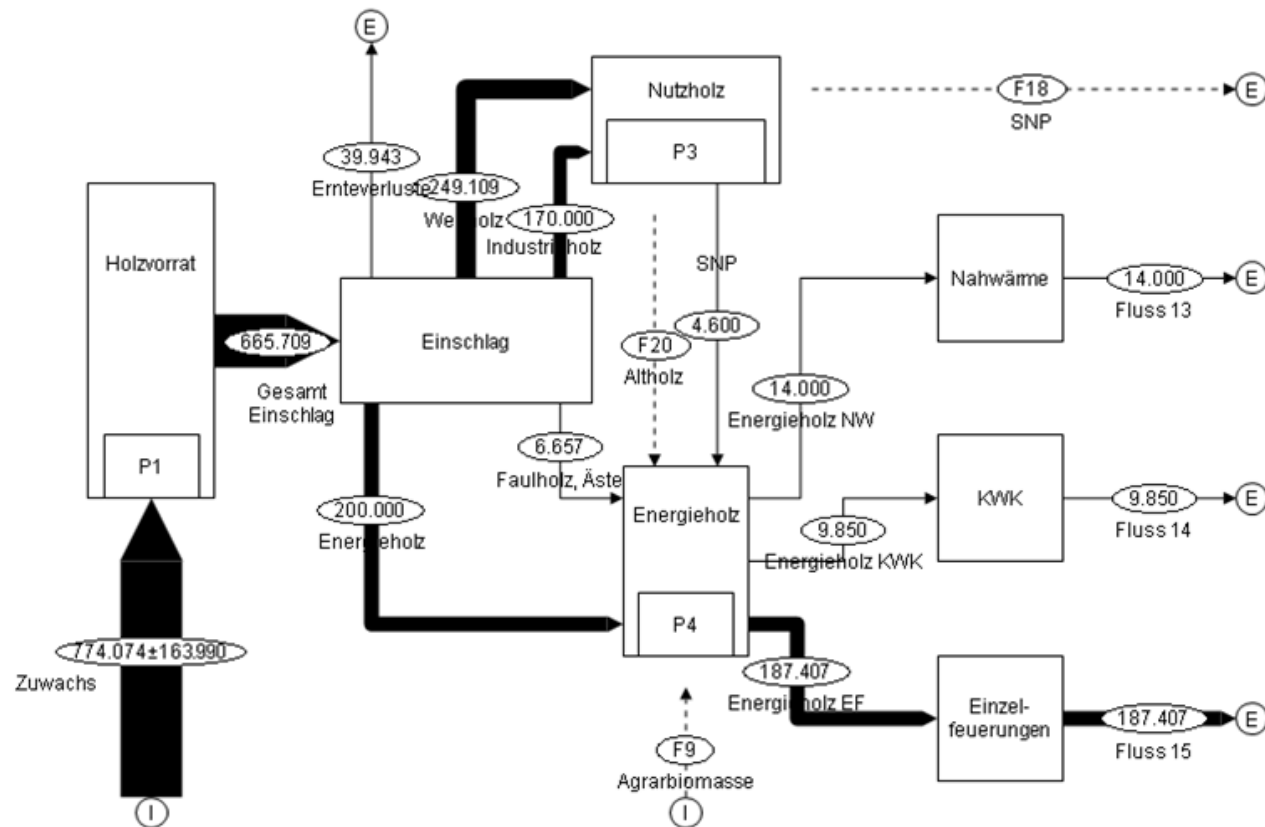
1. High grade timber (ecology, outdoor leisure, investment ...)
2. (Hunt)
3. Pulpwood
4. Biomass

Professional forest management increases the share of high grade timber account of pulpwood and biomass!



Picture: Forstbetriebsgemeinschaft Rothenburg

Biomass flow chart „Energie Bezirk Scheibbs“




Unit = [m³] solid wood

Contribution of regional energy concepts to forest fuel availability

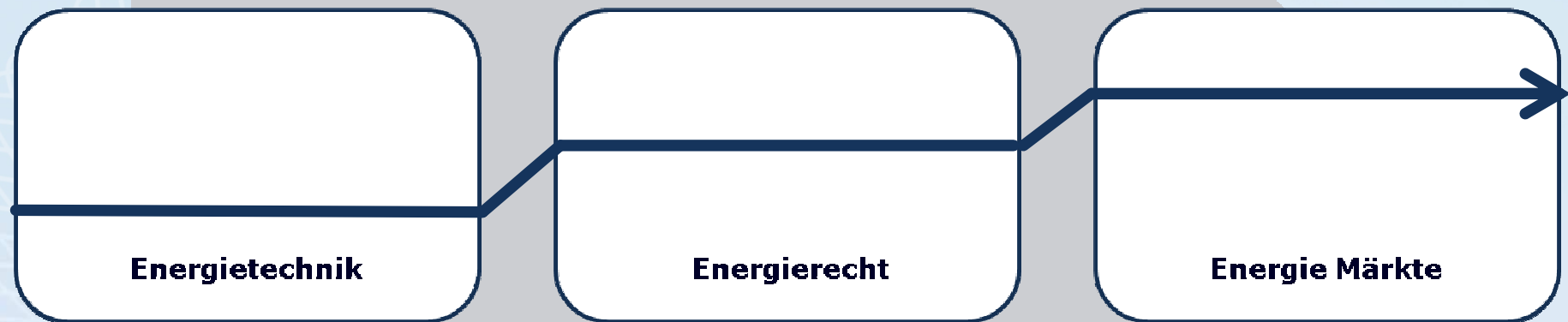
- ▶ Providing independent information on a regional level on forest biomass consumption, supply and the sustainable wood potential to ensure:
 - ▶ sustainable forest management
 - ▶ price stability
 - ▶ customer acceptance of woody bioenergy use
 - ▶ ...

Produkt Marketing & Projekt Management

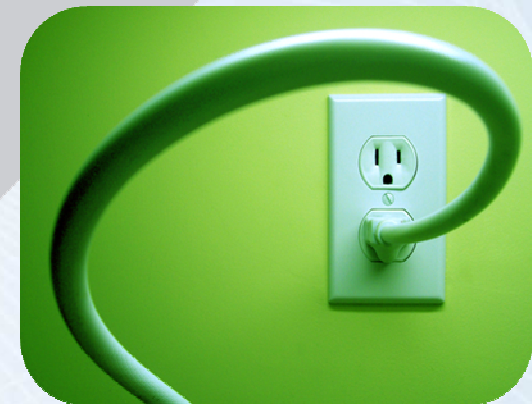
Bachelor's programme, 6 Semesters

- 
- Bioenergietechnik (Neu ab WS 2011)
 - Nachhaltige Energiewirtschaft
 - Weitere Spezialisierungen

Nachhaltige Energiewirtschaft



Josef Walch



Bioenergietechnik

Rohstoffkunde, -logistik

Umwandlungstechnologie

Märkte



Josef Walch



Austrian Marketing University of Applied Sciences
Campus Wieselburg der Fachhochschule Wiener Neustadt

Occupational Fields - Energy industry and Bio Engineering

- ▶ Project manager in engineering offices
- ▶ Consultant in public facilities and policy advice
- ▶ Management in medium-sized bioenergy plants
- ▶ Quality manager for bioenergy plants
- ▶ Consultant in bioenergy sector for banks and Insurance companies
- ▶ Raw material- and logistician bioenergy



Foto: Eduard Shelesnjak - Fotolia

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Wiener Neustadt

Wieselburg

Thank you!

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