



**WORLD BIOENERGY
ASSOCIATION**

Opportunities for sustainable bioenergy use in SE Europe

Bioenergy utilization can be extremely diverse



- **Converting biomass in different types of fuels always bears significant costs and losses**
- **Physical conversion (densification, pelletization) has the lowest cost**
- **Chemical conversion or thermochemical conversion: high costs and losses (40-60% energy loss)**
- **Conversion to electricity: depending on heat use 20-60% energy loss**

Priorities from socioeconomic point of view



- **Only physical upgrading of fuel**
- **Use for domestic and commercial / industrial heat**
- **Use for district heating with or without cogeneration of electricity**
- **Establish use of agricultural residues for commercial heat and district heat**
- **Local use instead of export**