













# THE SOCIO-ECONOMIC SIGNIFICANCE OF CHARCOAL PRODUCTION IN SERBIA

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- >Map of charcoal producers in Serbia
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#### Whay charcoal?

- 1. The production of charcoal in Serbia is unfairly ignored by local and regional communities, as also by national Government!
- 2. The production of charcoal in Serbia is important in terms of the number of producers, as well as in quantities.
- 3. The importance of charcoal production could be also noticed in the number of households and the number of workers which carry it out.
- 4. Charcoal production has the special importance for rural areas, as "the only" source of incomes for numerous households.



### Types of charcoal kilns for the production of charcoal in Serbia-Earth cover charcoal kilns



"Development trends in economics and management in wood processing and furniture manufacturing", WOODEMA conference 2011, Kozina, Slovenia, 8-10 June 2011



#### Types of charcoal kilns for the production of charcoal in Serbia - Earth cover charcoal kilns



- ➤One cicle = 7-8 days;
- Avaerage consumption = 4 stacked m<sup>3</sup>
- ➤ Charcoal = 380 kg



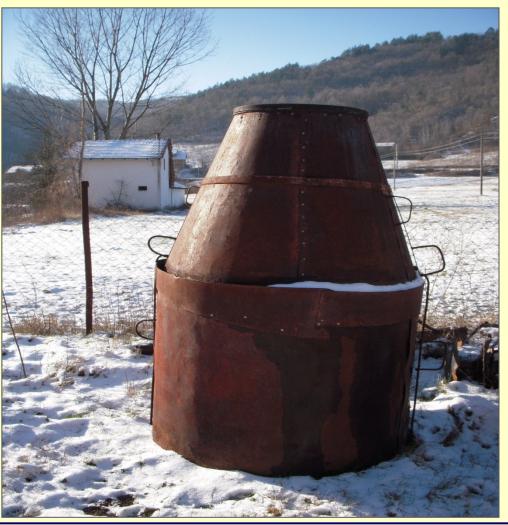
### Types of charcoal kilns for the production of charcoal in Serbia-Brick charcoal kilns

- ➤One cicle= 16 days,
- ➤ avaerage
  consumption = 20
  stacked m³
- ➤ Charcoal = 2400 kg





### Types of charcoal kilns for the production of charcoal in Serbia- Portable steel charcoal kilns



- ➤One cicle = 4 days,
- ➤ avaerage consumption = 6 stacked m<sup>3</sup>
- ➤ Charcoal = 420 kg



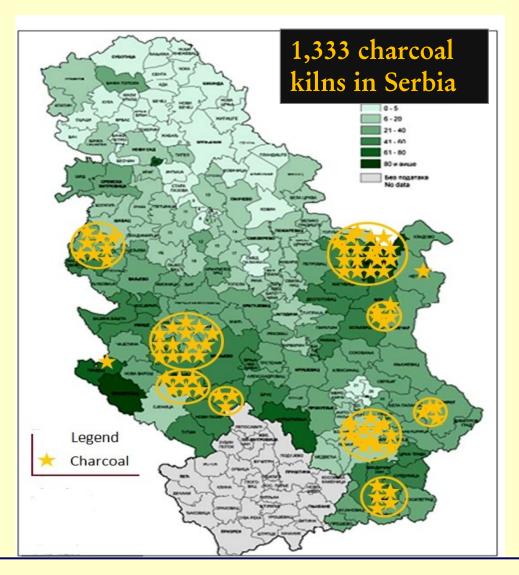
### Types of charcoal kilns for the production of charcoal in Serbia- Retorts



Started at the end 2010, Proces is in the development phase

## 

#### Map of charcoal producers in Serbia





## The assessment of total number of workers induced by business activities of company for the charcoal production in Serbia in 2009

Type of fuel	Direct work			Total (workers	Total produced energy (GJ)	
Charcoal	1.436	275	158	1.869	401.760	214,9

<sup>&</sup>quot;Development trends in economics and management in wood processing and furniture manufacturing", WOODEMA conference 2011, Kozina, Slovenia, 8-10 June 2011



### Contribution of charcoal production in the regional and Republic public revenues

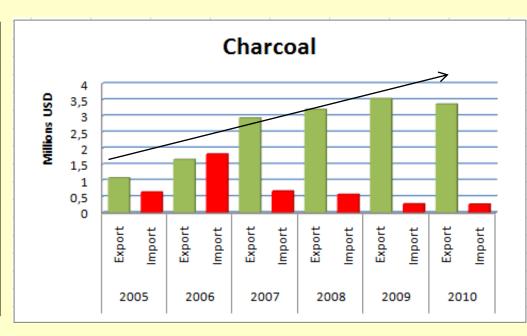
Type energ produ	У	Number of employees	Net income (€)	Contribution to regional public revenues (€)	Contribution to national public revenues (€)	Gross income (€)**
Charcoa	.1	762*	1.463.040	507.236	933.273	2.903.549

<sup>\*</sup> Only registered



#### CHARCOAL MARKET IN SERBIA

2010.	Charcoal		
	tons		
Production	34.086		
Import	486		
Export	6.969		
Apparent Consumption	27.603		





The price of 1 kg of charcoal produced in Serbia is 0.55 EUR in supermarkets in Belgrade.

The price of 1 kg of charcoal imported from Austria is 0.72 EUR in supermarkets in Belgrade.

