

# **POSSIBILITIES FOR INVESTMENT IN THE SERBIAN ENERGY SECTOR AND COMPLIANCE WITH THE KYOTO PROTOCOL**

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# Basic Indicators of the SEE Region

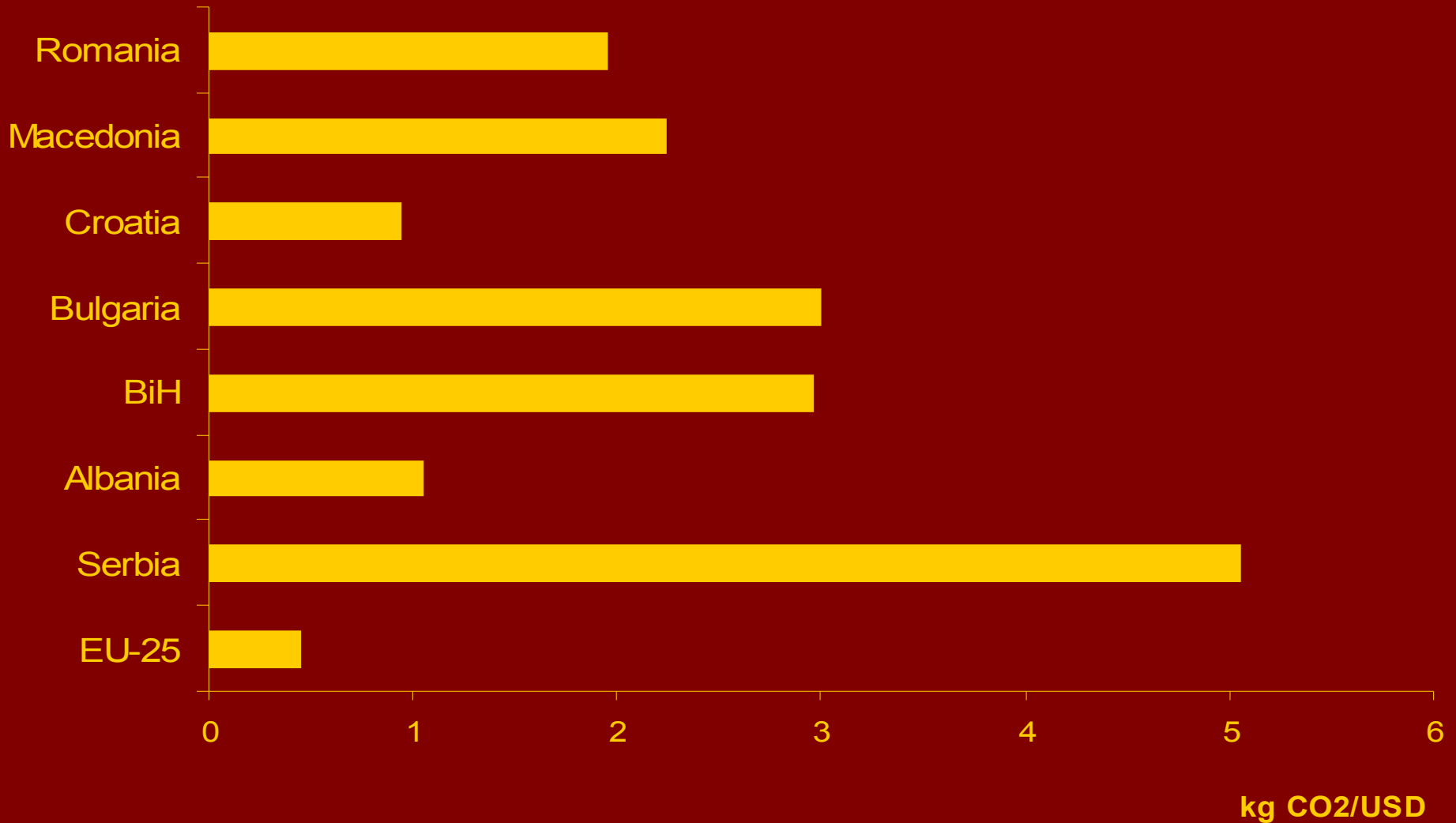
	Population, in mil.	GDP per capita, in USD	CO <sub>2</sub> Emissions, Mt of CO <sub>2</sub>	TPES, Mtoe
<b>Albania</b>	<b>3,2</b>	<b>2.730</b>	<b>4,85</b>	<b>2,37</b>
<b>BiH</b>	<b>3,8</b>	<b>2.425</b>	<b>16,28</b>	<b>4,70</b>
<b>Bulgaria</b>	<b>7,7</b>	<b>3.453</b>	<b>45,40</b>	<b>18,94</b>
<b>Croatia</b>	<b>4,4</b>	<b>8.674</b>	<b>20,56</b>	<b>8,82</b>
<b>Macedonia</b>	<b>2,0</b>	<b>2.850</b>	<b>8,18</b>	<b>2,70</b>
<b>Serbia</b>	<b>7,5</b>	<b>3.234</b>	<b>52,97</b>	<b>17,35</b>
<b>Romania</b>	<b>21,7</b>	<b>4.535</b>	<b>91,48</b>	<b>38,56</b>

# Problematic Development of Serbian Energy Sector

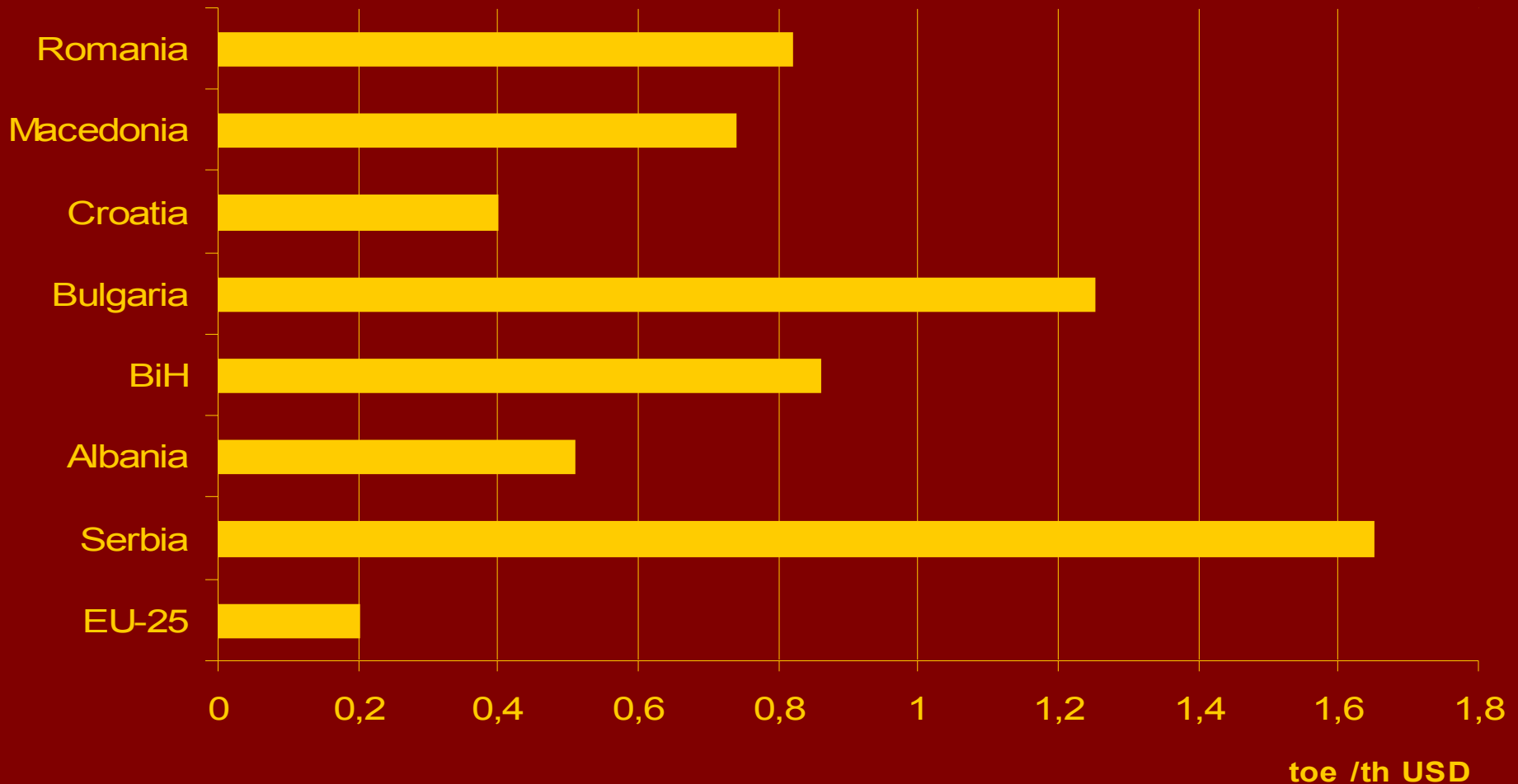
- Bad energy sustainable development indicators
- Investment shortage
- Administrative barriers to investment



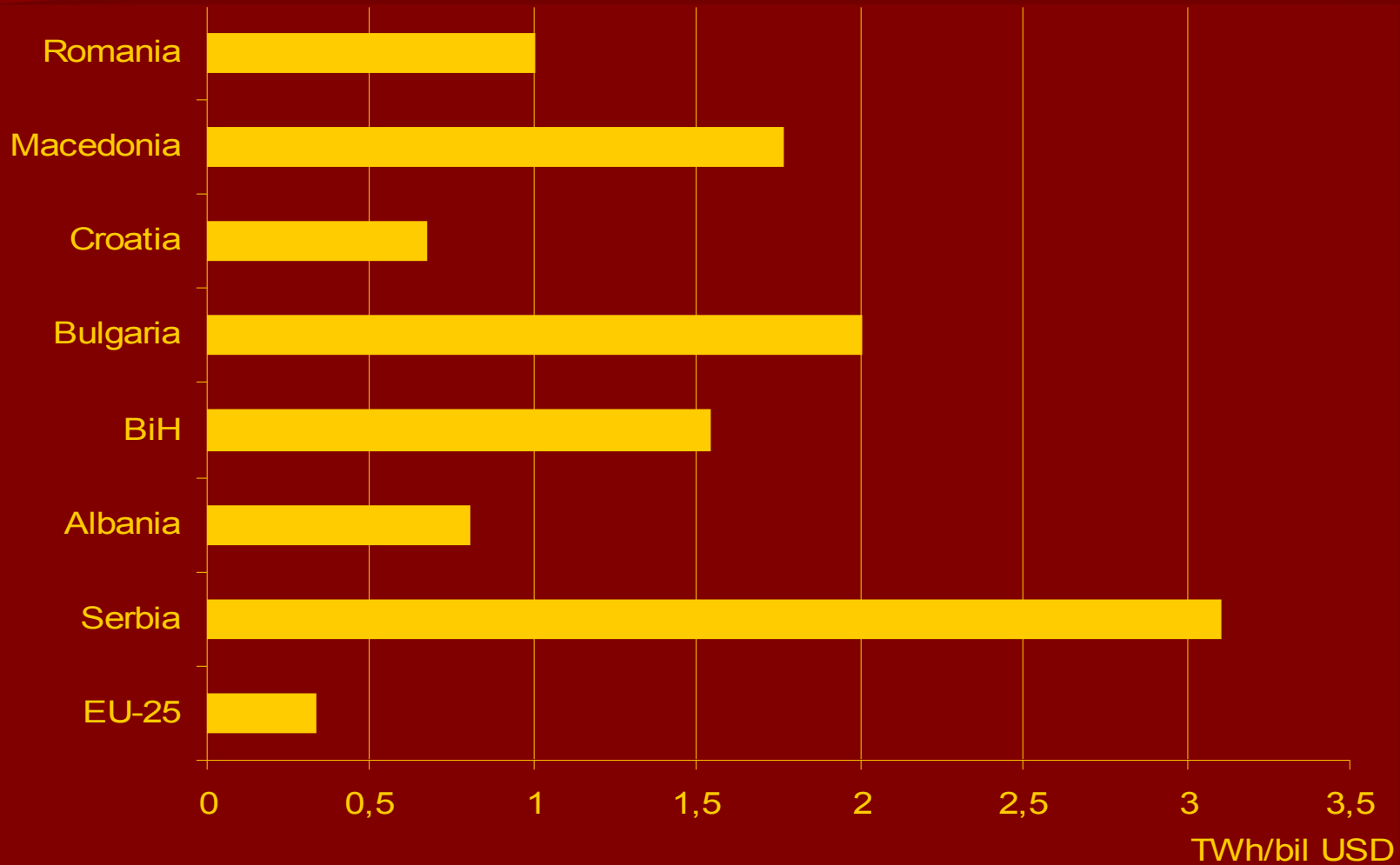
# Emissions of Carbon Dioxide per GDP



# Energy Intensity of the SEE Countries



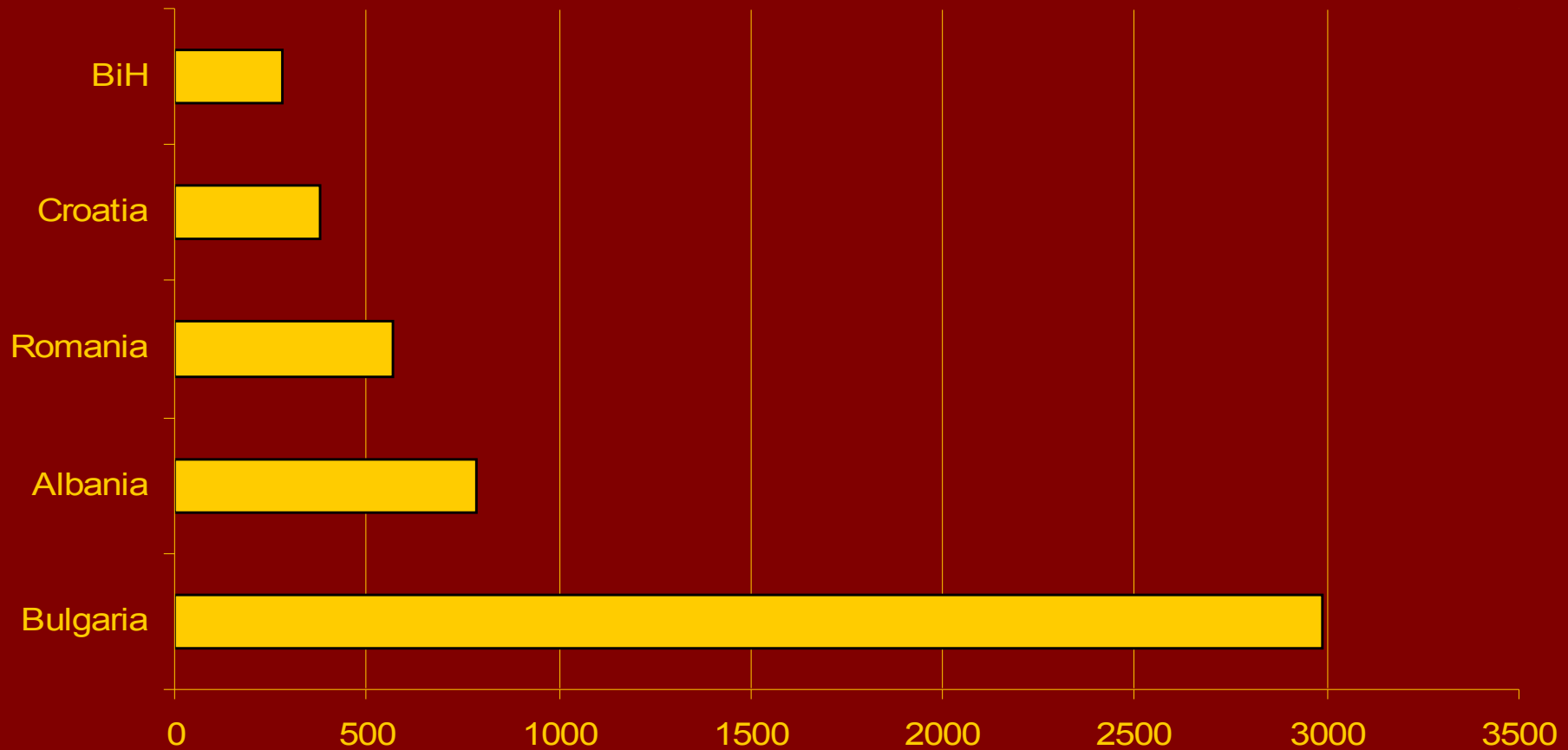
# Energy Consumption per GDP



# Investment Shortage

- Taking 1990 as a base (100%), only 64% of GDP was realized in 2006, but 90% of energy resources were spent.
- The experience of countries in transition indicates that investments in the energy sector amounted to 3,5% of GDP on average.
- Average annual investments in the Serbian energy infrastructure amount to less than 1 bn USD, though over 60% of funds is intended for the energy sector.

# Total Investments in Energetics in the period 1990-2005, USD bn



	Bulgaria	Albania	Romania	Croatia	BiH
■ USD mil.	2987	789	567	376	278

# Preconditions for Attraction of Investments


- The inclusion of Serbia in the regional energy market requires:
  - Harmonization of regulations with EU standards
  - Ratification of Kyoto Protocol
- Promotion of investment climate requires:
  - Rounding off legislative regulations
  - Removal of administrative barriers
  - Implementation through the development of institutions

# Status of Ratification

- Serbia has not ratified the Kyoto Protocol yet
- Romania, Bulgaria and Croatia are included in Annex I of the Kyoto Protocol
- Romania and Bulgaria have emission targets of 8% reduction of GH gases
- Croatia has a reduction target of 7%
- FYR Macedonia, BiH and Serbia have the status of non-Annex I countrys

# Instead of Conclusion

- The general goal is achieving 3 E targets:
  - Energy stability;
  - Economic growth;
  - Ecological standards.



*There is enough in the world  
for everyone's need,  
but not for everyone's greed.*

*Frank Buchman*

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