

Regional Workshop  
National Study for Bosnia and Herzegovina  
Energy and Climate Change –  
Energy Efficiency and Renewable Energy

Monaco 29-30 March 2007

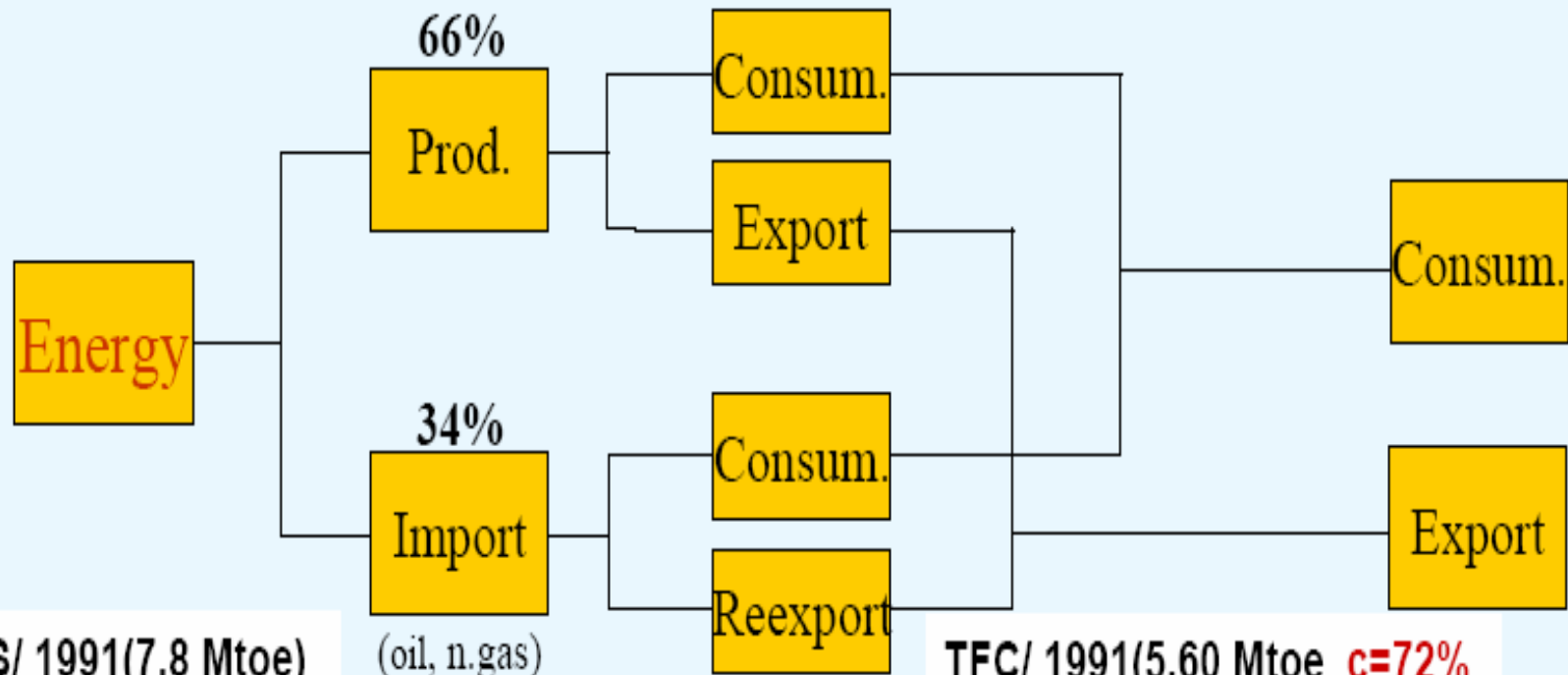
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# Situation in Energy sector

- **Unclear authority over energy issues**
- **Absence of National Energy Strategy**
- **Absence of Energy Statistics and laws**

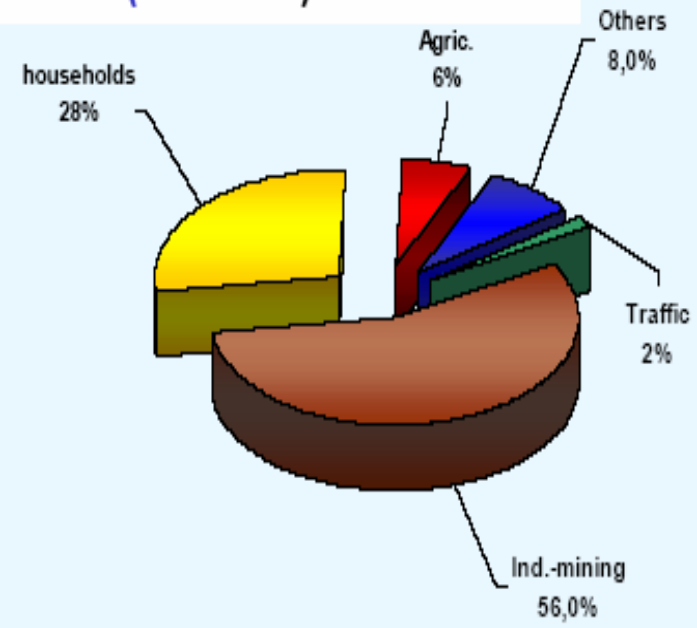
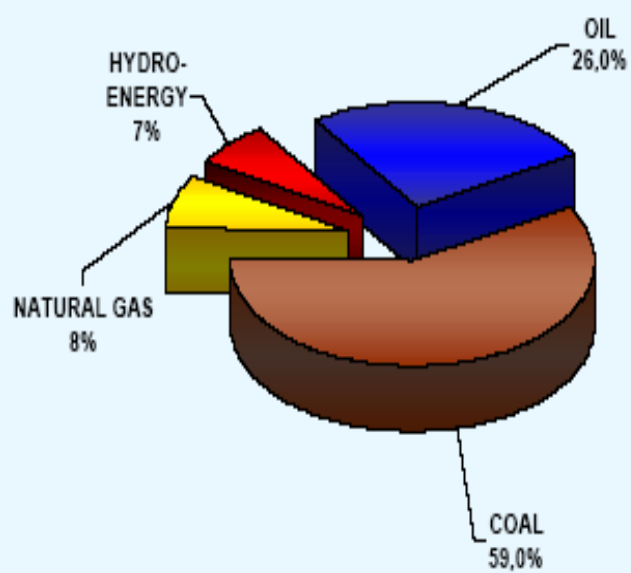
**Energy sector reform has started,  
but is not finished.**





TPES/ 1991(7.8 Mtoe)  
2004 (4.71Mtoe)

TFC/ 1991(5.60 Mtoe **c=72%**)  
2004 (3.0 Mtoe **c=64%**)



# Energy Efficiency

- 30.1 GJ of energy was consumed for the insurance of 1,000 US\$ of GDP.
- Inefficient and irrational production and consumption of energy
- Low prices of energy and big consumption of energy

To improve Energy efficiency , control and metering system introducing

Introducing Cogeneration (CHP)

# Natural gas- Energy Efficiency

- 50% of total energy consumption is energy consumed by households and commercial sector
- Great number of consumers who do not pay the heating bills

**New Law on Consumer Protection – the supplied energy is to be paid in accordance with the consumption**

**Objective: System must be switched to individual heat metering**

# Tarrif system for RES electricity

- **Small HPP 3.96 € cents/kWh**
- **Landfill biogas and biomass PP 3.81 € cents/kWh**
- **Wind PP and geothermal PP 4.95 € cents/kWh**
- **Solar PP 5.44 € cents/kWh**

# RE potential in B&H

- **Small HPP** - 2,500 GWh/year
- **Wind** - economic potential of approx. 600 MW that could be developed by 2010, if appropriate incentive system to build wind power installations is set up
- **Solar** - Theoretical potential of 74.65 PWh/year
- **Geothermal** - Research studies show the potential for home heating and similar low-temperature purposes of 33 MW<sub>th</sub>
- **Biomass** - unexplored potential of approx. 1 million m<sup>3</sup>/year of forest waste and wood waste

# Priorities and Main recommendations

- **To adopt Strategy in Energy Sector (energy demand issues by sector, strategies by sector and by source)**
- **To adopt L&R framework**
- **To develop financial and institutional framework of support (financial incentives, fiscal policy, subsidies, RES funds)**