

RENEWABLE ENERGY TECHNOLOGIES  
AND  
SOCIO-ECONOMIC TOOLS

POLITICAL CONTEXT OF  
ENERGY RESEARCH

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# Contents

- **S&T excellence is necessary but not sufficient**
- **EU research policy**
- **EU energy policy**
- **Main challenges: security of supply and environment**
- **The place of renewables**
- **The right balance**



# Evaluation Criteria

(with Threshold marks)

CRITERION	IP	NoE	STREP	CA	SSA
Relevance	3/5	3/5	3/5	3/5	<b>4 / 5</b>
Potential impact	3/5	3/5	3/5	3/5	3/5
S&T excellence	<b>4 / 5</b>		<b>4 / 5</b>		
Quality of the consortium	3/5		3/5	3/5	
Quality of the management	3/5		3/5	3/5	3/5
Mobilisation of resources	3/5		3/5	3/5	3/5
Excellence of the participants		3/5			
Degree of integration and the JPA		<b>4 / 5</b>			
Organisation and management		3/5			
Quality of the co-ordination				<b>4 / 5</b>	
Quality of the support action					3/5
Overall threshold score	<b>24/30</b>	<b>20/25</b>	<b>21/30</b>	<b>21/30</b>	<b>17.5/25</b>



# EU Research Policy

## Lisbon Strategy

**EU to become the most competitive and dynamic knowledge economy in the world**

## European Research Area

**To get one genuine ERA (not 25 +1 Research programmes)**

## Barcelona Summit

**EU to achieve 3% of GDP dedicated to RTD in 2010**



# EU Research Policy

## Security and diversity of energy supply

**EU imports today 50% of its energy needs (70% in 2030)**

## Renewables

**By 2010, targets to achieve 12% of renewable energy, 22% of green electricity and 5.75% of biofuels**

## Cogeneration

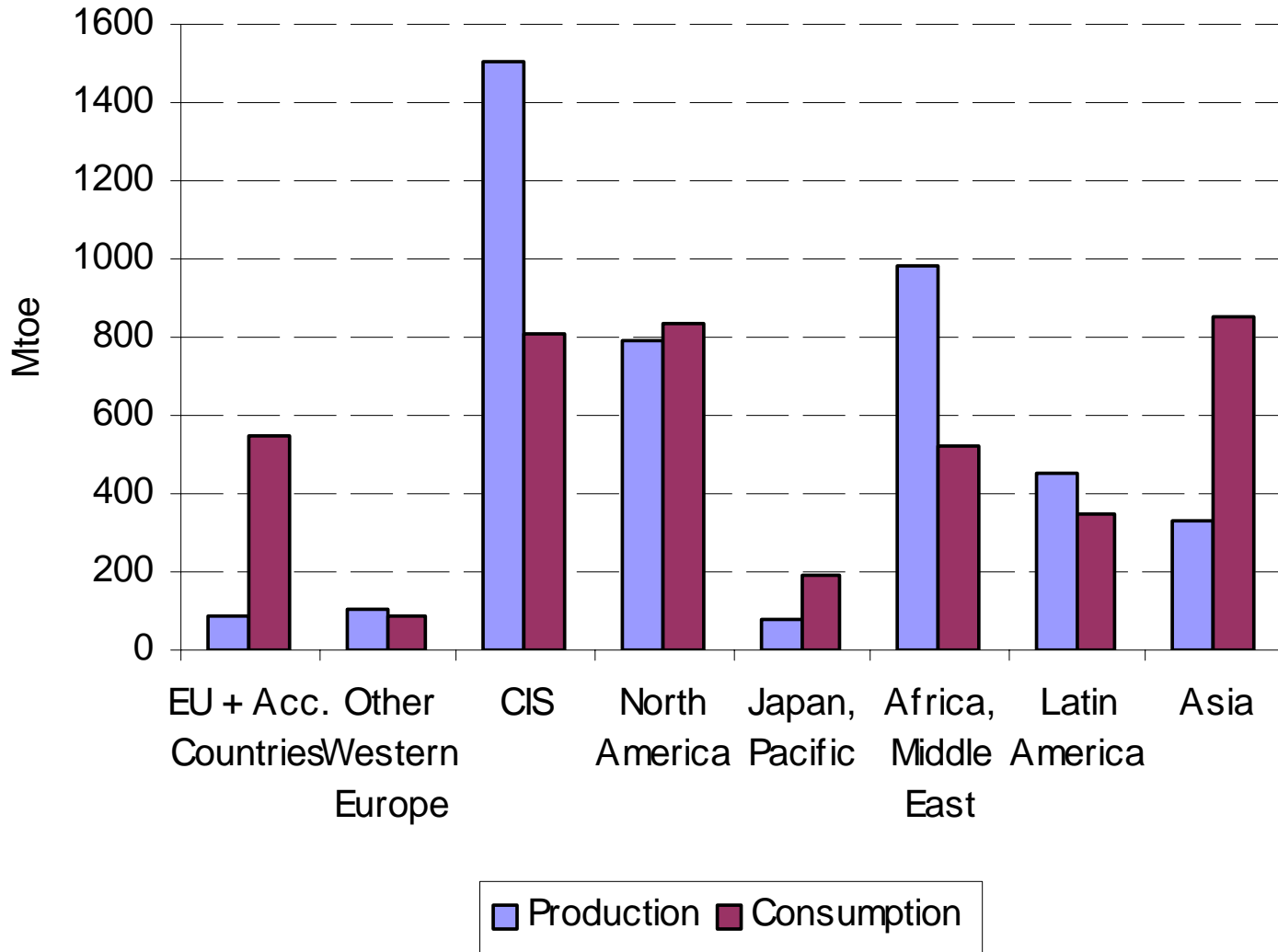
**Doubling the share of electricity production from CHP by 2010 (from 9 to 18%)**

## Energy efficiency

**Large potential for energy savings, particularly in the residential and tertiary sectors (buildings)**

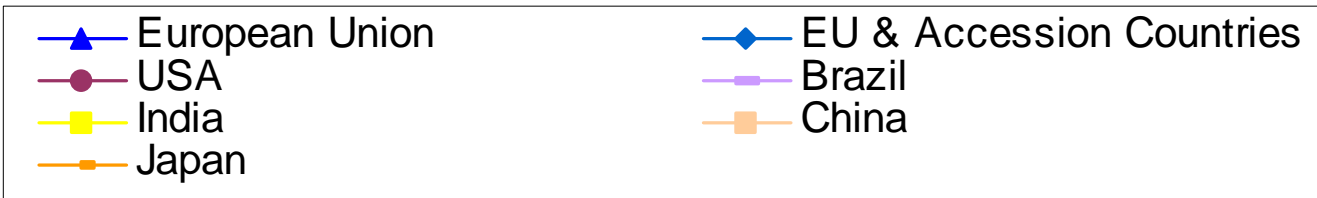
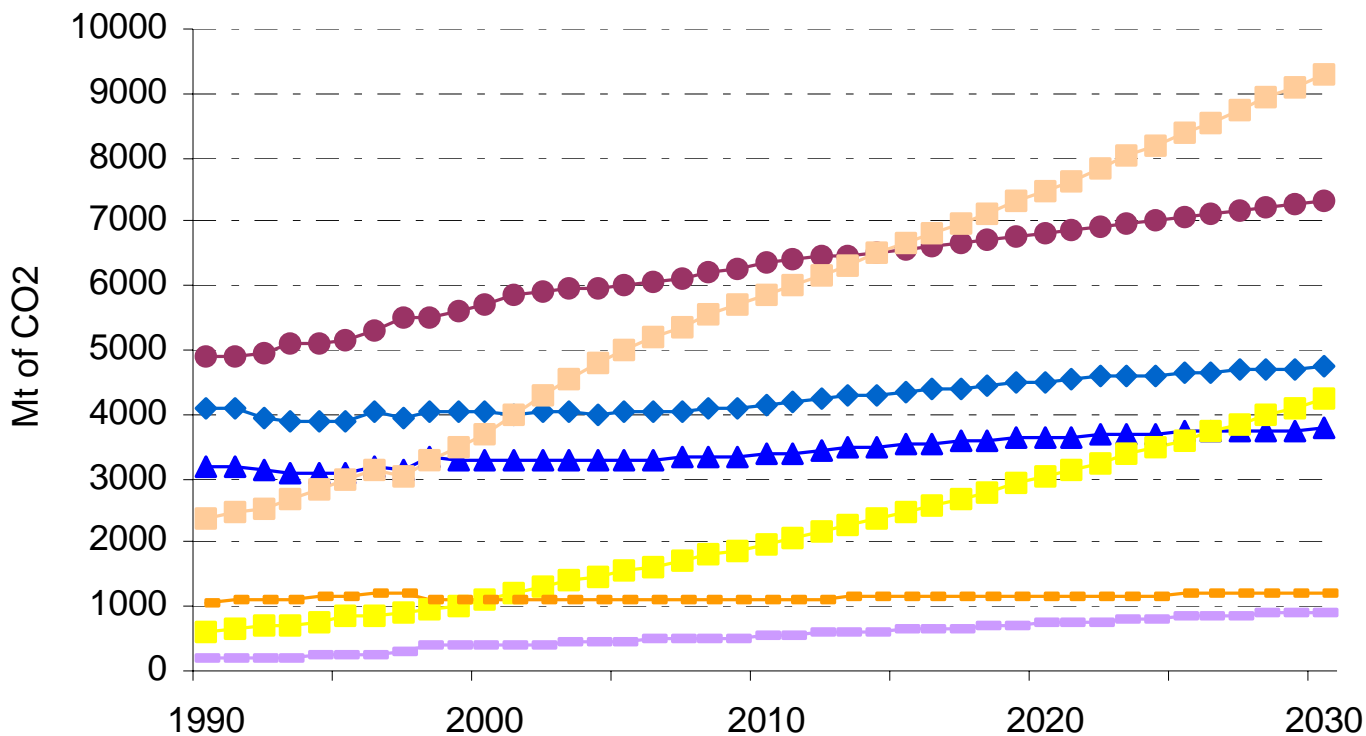


# Projected gas Production & consumption (2030)



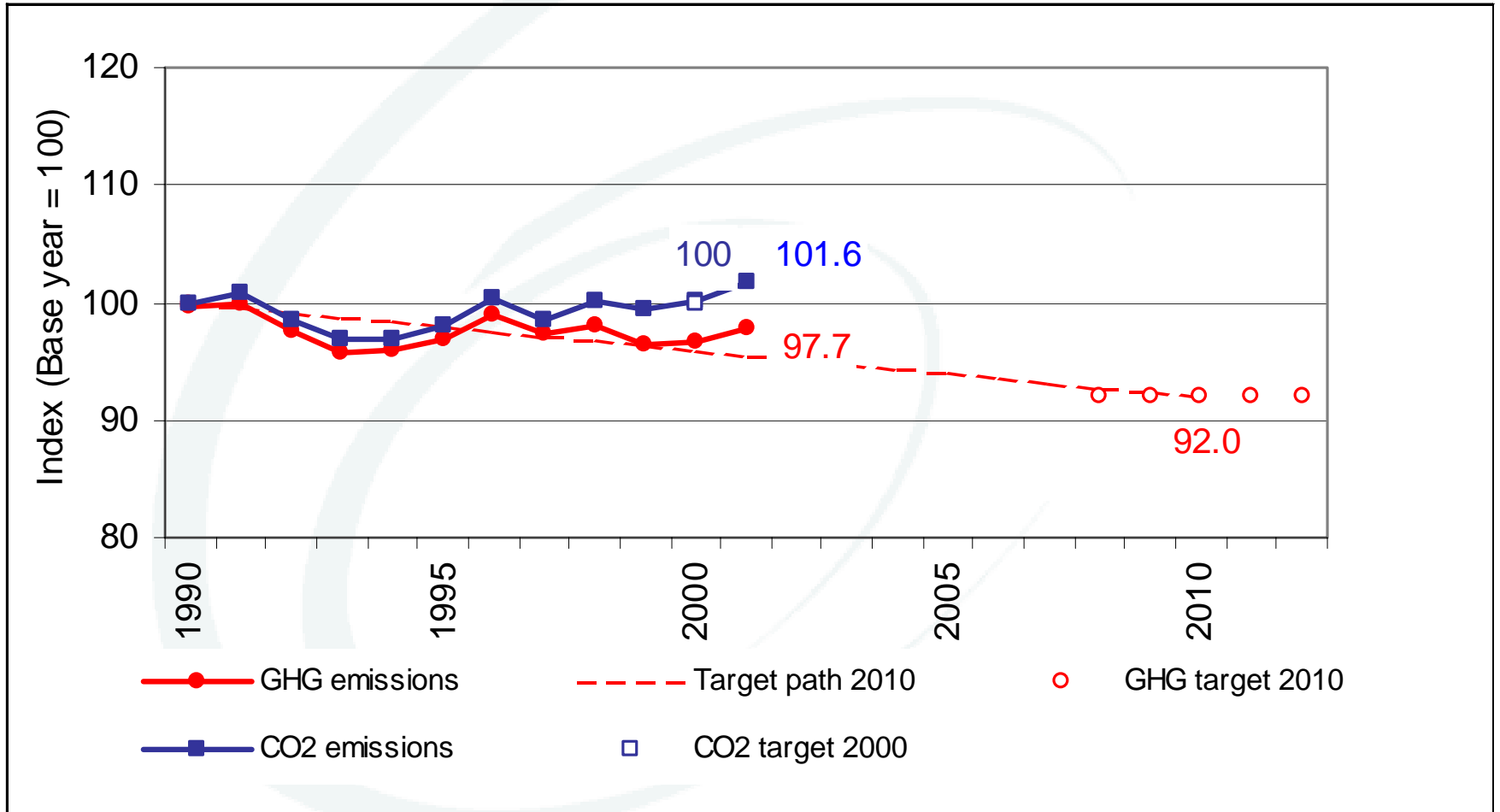


# World CO<sub>2</sub> Emissions



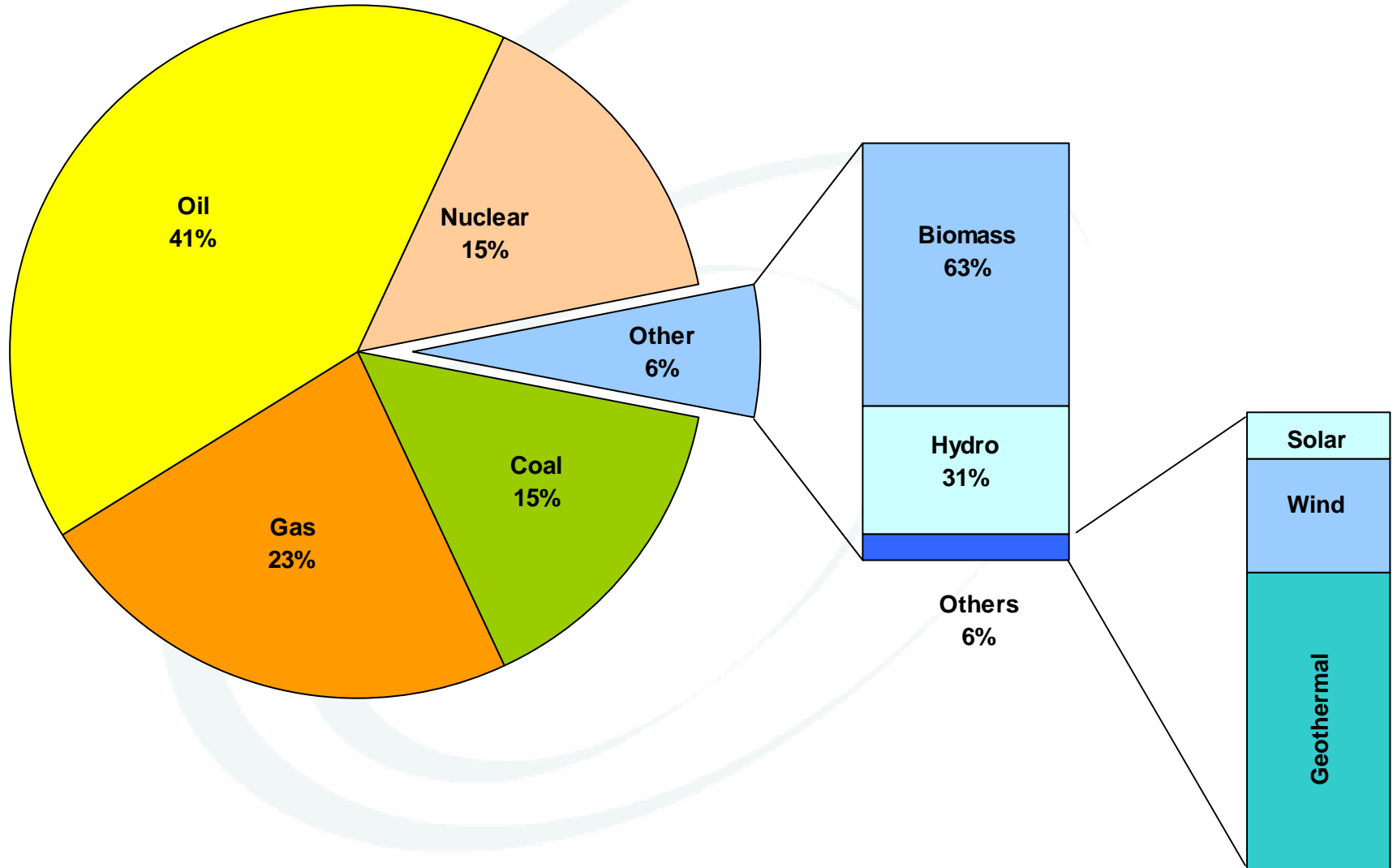


# EU GHG compared with targets for 2010



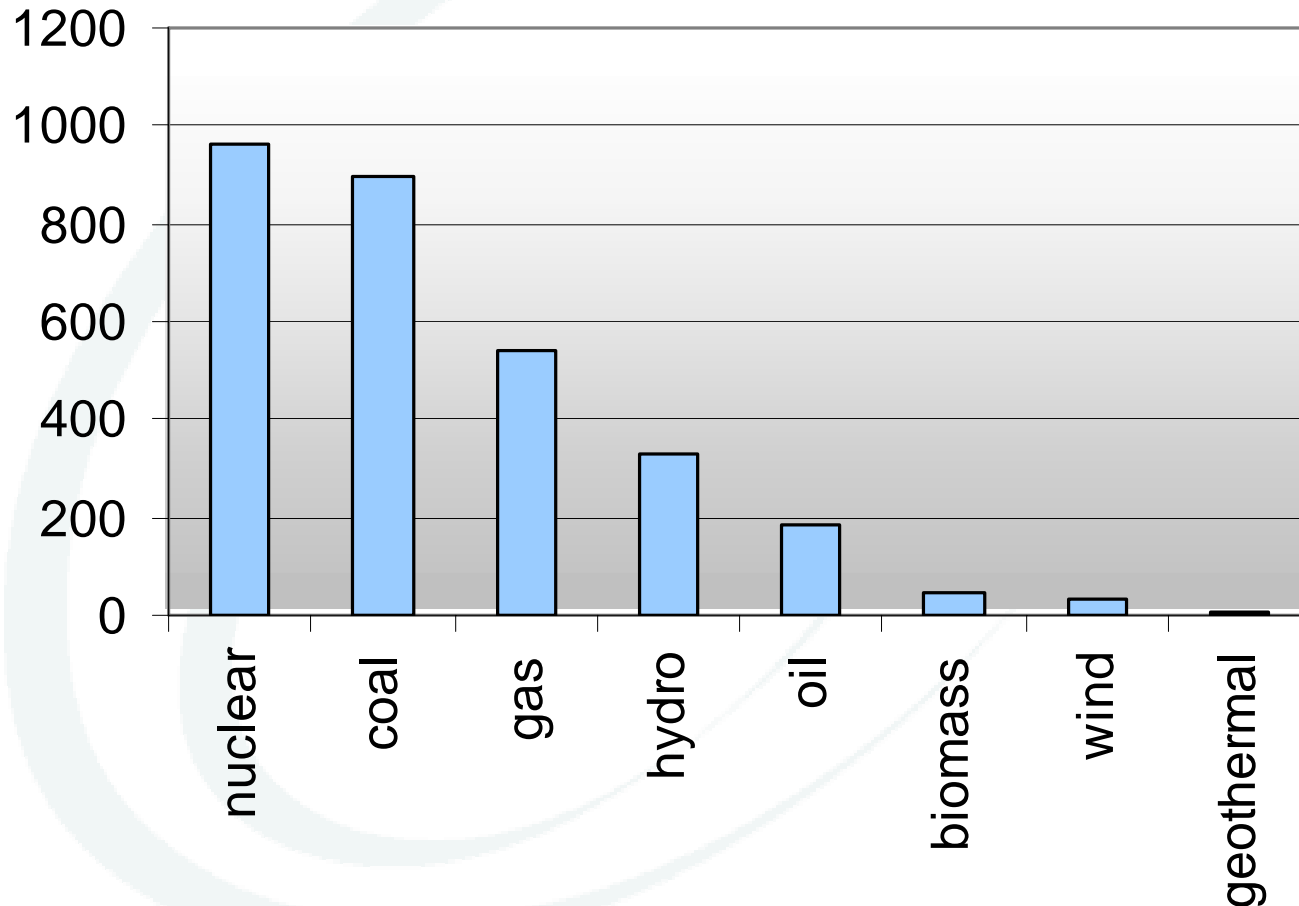


# Renewables in the EU consumption in 2000





# EU-25 electricity generation in 2002 (in TWh)





# Balanced proposal within the scope of the call

- **S&T excellence**
- **EU policies awareness**
- **Balanced consortium**
- **Balanced task distribution**
- **Social and economic issues**
- **Dissemination and exploitation of results**

