

# THE PERSPECTIVES OF ENVIRONMENTAL RELATION WITH THE OPTIMALIZATION OF COAL UTILIZATION

*MINISTRY OF ENVIRONMENT*

*SEMINAR JAPAC GLOBAL ENVIRONMENT FORUM 2003  
JAKARTA, 27 FEBRUARY 2003*

**ENVIRONMENT**

**ENERGY  
(COAL)**

**IMPACT**

**DEVELOPMENT**

*Standard  
Quality*



Exploration,  
Excavation,  
Distribution

Efficiency

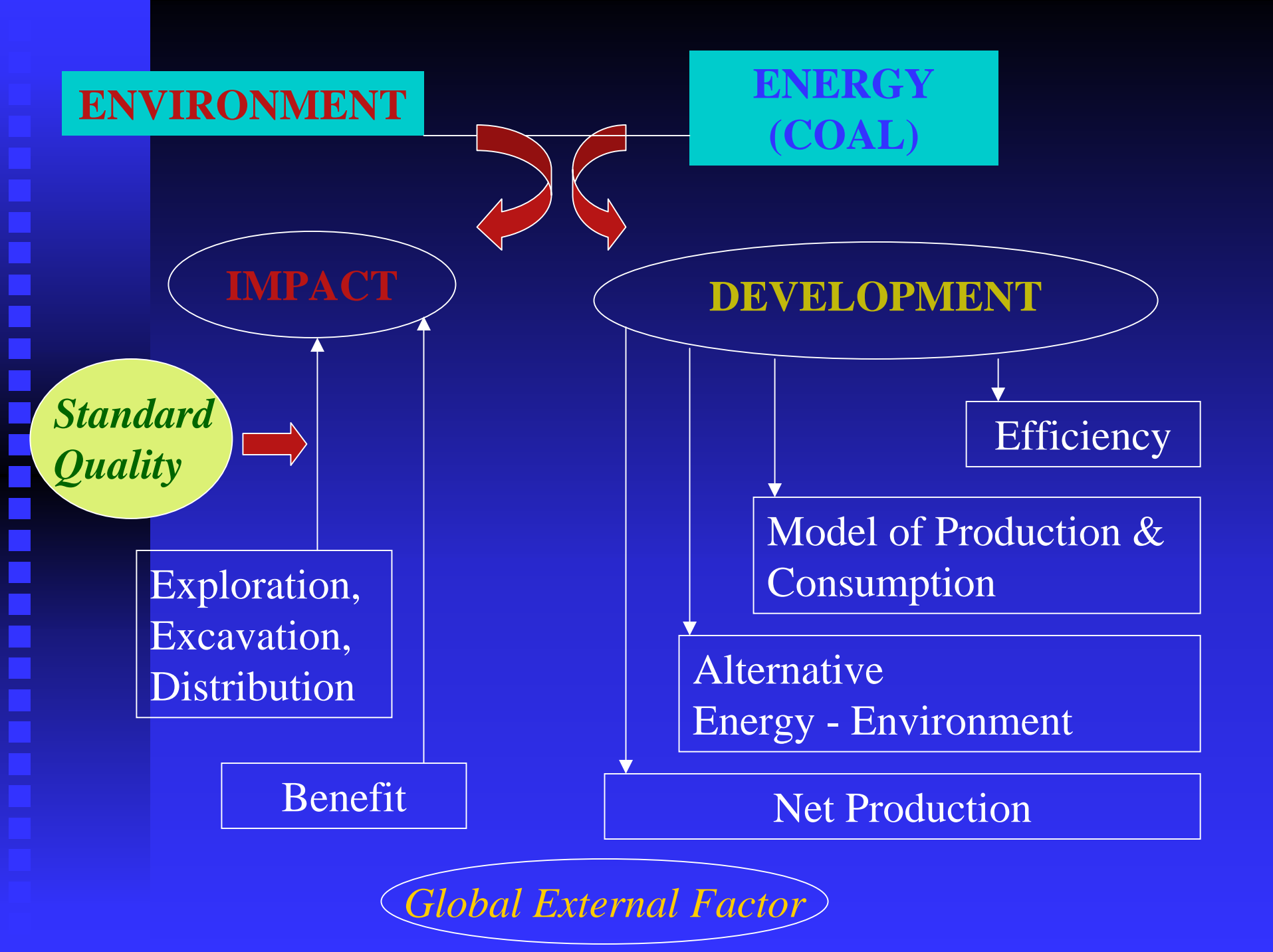
Model of Production &  
Consumption

Alternative  
Energy - Environment

Benefit

Net Production

*Global External Factor*



# ENVIRONMENT IMPACT

- Environmental destruction caused by mining activities:
  - ◆ Interfering and affecting the change in the surrounding eco-systems
- High level pollution at the time of use (Co, Co<sub>2</sub>, SO<sub>2</sub>)



Government Regulation No.41/1999 on Air Pollution Control

Government Regulation No.82/2002 on the Management and Control of Water Pollution (A waste water standard for coal and mineral mining activities is being prepared)

# DECREE OF THE STATE MINISTER OF ENVIRONMENT – ON AIR POLLUTION CONTROL

- (1) Decree of the State Minister of Environment No. Kep-35/MENLH/10/1993 on the Emission Threshold of Vehicle's Exhaust Gas.
- (2) Decree of the State Minister of Environment No. Kep-13/MENLH/5/1995 on Emission Standards for Stationary Source.
- (3) Decree of the State Minister of Environment No. Kep-48/MENLH/11/1996 on Emission Standards for Noise Level.
- (4) Decree of the State Minister of Environment No. Kep-49/MENLH/11/1996 on Standards for Vibration Level.
- (5) Decree of the State Minister of Environment No. Kep-50/MENLH/11/1996 on Standards for Odour Level.
- (6) Decree of the State Minister of Environment No. Kep-15/MENLH/4/1996 on the Blue Sky Program.
- (7) Decree of the State Minister of Environment No. Kep-45/MENLH/10/1997 on Standard Index for Air Pollution.
- (8) Decree of Head of Environment Impact Management Agency No. Kep-107/Kabapedal/11/1993 on Technical Guidelines for the Calculation and Report and Information on Standard Index for Air Pollution.
- (9) Decree of Head of Environment Impact Management Agency No. Kep-205/Kabapedal/07/199 on Technical Guidelines for Air Pollution Control of Stationary Source.



- Technology
- Health
- Risk
- Economy
- Reference

- Program
- Voluntary Organization
- Incentive
- Management