



the
abdus salam
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**College on Evaluation of Energy Technologies
and Policies for Implementation of Agenda-21**

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**Representation of Exogenous Constraints in
MESSAGE**

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These are preliminary lecture notes, intended only for distribution to participants

Representation of Exogenous Constraints in MESSAGE

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Underlying Principle of MESSAGE Methodology

**Optimal Allocation of All Available
Resources**

Market Mechanisms

Policies and Regulations

Supply Security Concerns

Environmental Protection

Equity Issues

Push for Renewable Sources

Incentives for Efficient Technologies

Supply Security

Import dependence should not exceed 30% of supplies.

Imported Fuels

----- **< 0.30**

Total Supply

Renewable

Share of renewable sources should be increased to 10%

Supply From Renewables

----- > 0.10

Total Supply

Constraints and Relations

Dynamic Relations

User Defined Relations

Consequences of Market Intervention