

Introduction to the Training Programme

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Increasing demand for quantitative analysis

- Domestic Policies
- Global Policies (i.e. WTO negotiations)
- Regional Policies

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Different methods

- Simple Statistical Analysis
- Ex Post Analysis: Econometric Studies
- Ex Ante Analysis: Partial Equilibrium models (for example, WITS/SMART model) and General Equilibrium Models (for example, CGE models, GTAP model)

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Why do we need models?

- Complex interactions among economic agents
- Policy Matters
 - Policies have economy-wide effects;
 - Policies may have international effects;
 - Monitoring and analyzing policies;
 - Forecasting their impacts
- Modeling helps us understand complex issues and take better decisions.

What is a model?

- A set of equations
- Embody the history of theoretical and empirical economic knowledge
- Macro or/and detailed structure
- Key components
 - Behavioral equations
 - Identities
 - Exogenous inputs

Problems with Partial Equilibrium Models

- Partial = only looks at part of the economy (sector)
- Interactions among only few variables: holding all other variables constant
- Lack of sectoral inter-linkages: Limited links with other parts of economy (limited backward and forward linkages)
- Can be useful if the effects on rest of the economy are small: small sector

Why CGE Model?

- CGE models have been most widely used to analyze the impact of hypothetical policy changes that are large in scope and have a broad impact on the structure of the economy
- It takes into account complicated sectoral inter-linkages
- It can quantify the benefits and costs of proposed initiatives

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Why CGE Model?...

- It can identify who benefits and who losses and by how much
- It can shed light on the supporting policy adjustments required as part of a broader economic policy framework
- CGE models are flexible and with appropriate modification in the characteristics of the model and the data set can handle a variety of issues.

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_1634

