

## MEP 1 - Structural Macroeconomic Model for Chile: An Overview

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#### Agenda

- Purposes and Uses of MEP 1
- Basic Model Description
- Standard Features
- Special Features
- Specific Issues



# **Purposes and Uses of MEP 1**



#### **Purposes**

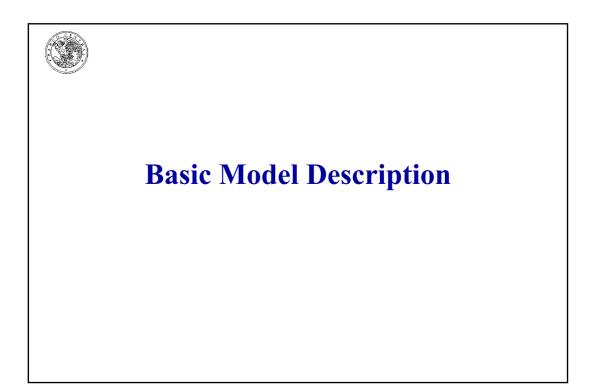
- Provide an analytical framework
  - Common framework for staff and Board
  - Facilitates communication of CB analysis
- Forecasting
  - Key ingredient of an inflation targeting framework
  - Flexible and allows to incorporate judgement and alternative forecasts to the model
- Policy Exercises
  - Includes main MP transmission channels
  - Again, it is possible to include other source insights



## Uses

- Numerous runs when monetary policy report is under preparation
  - Interaction staff-Board to fix exogenous variables and alternative scenarios
  - Results coupled with judgement in successive meetings
- Uncertainty measurement
  - Stochastic simulations using both endogenous and exogenous variables shocks
- Policy Rules Evaluation
  - Construction of efficiency frontiers

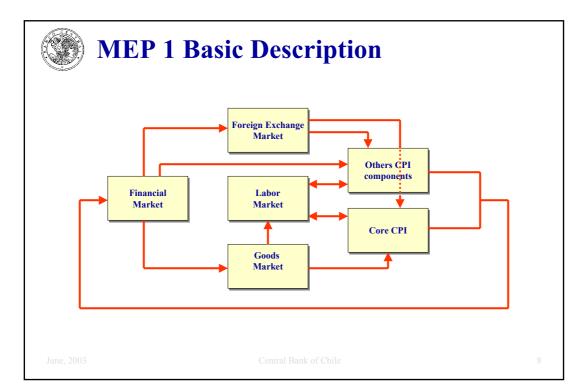
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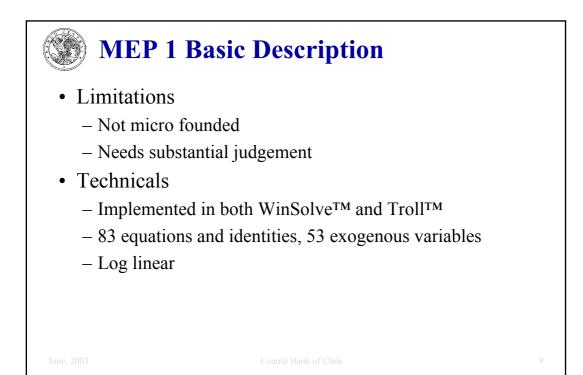


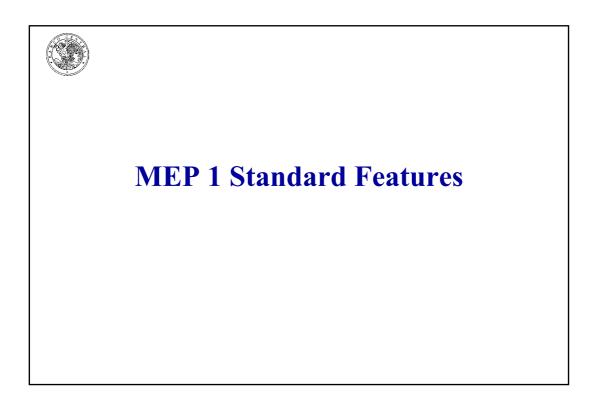
# **MEP 1 Basic Description**

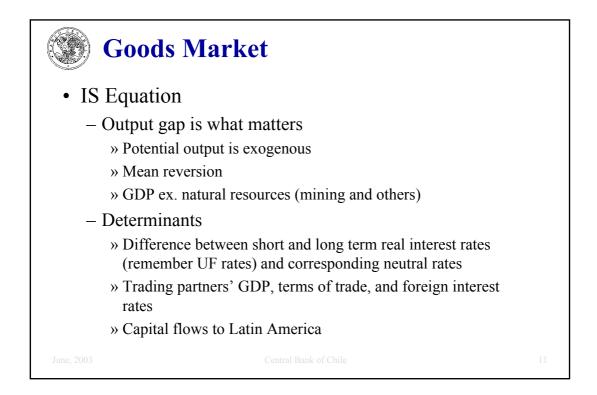
- Main Characteristics
  - Quarterly
  - Simple and manageable
  - Short run dynamics carefully considered
  - Includes basic MP transmission mechanisms
  - Has a well defined steady state (that matters in specific ways)
  - Has important forward-looking ingredients (typical solution based on model consistent expectations)
  - 6 main blocks

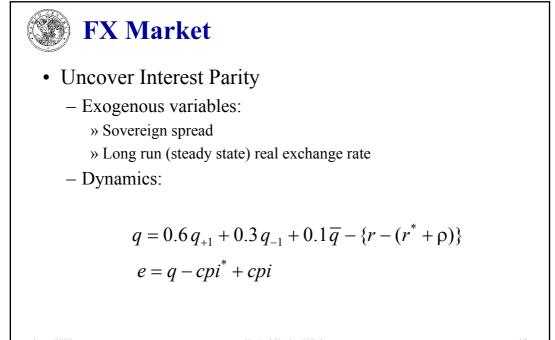
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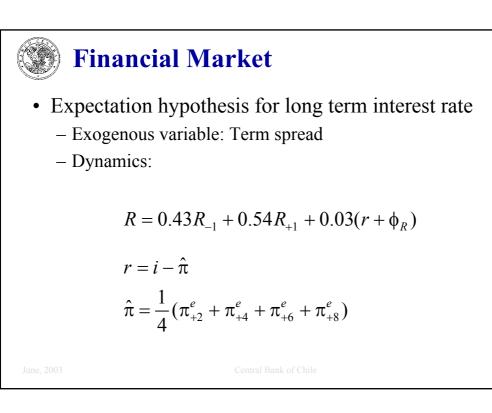


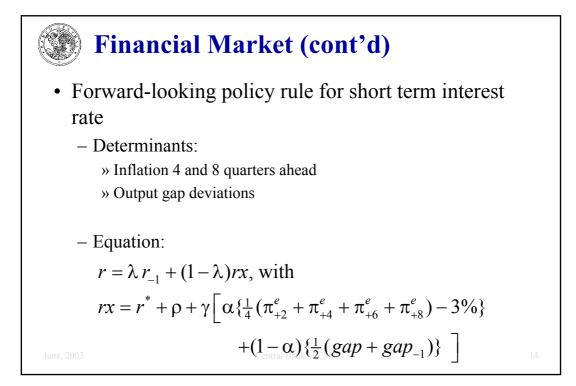






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# **MEP 1 Special Features**



### Non Core CPI details

Component	Share (%)
Core	69.71
Public Utilities (rule)	5.51
Financial Services (i)	1.92
Indexed Prices	7.12
Public Transp. (rule)	2.75
Meat and Fish	5.25
Fruit and Vegetables	3.77
Fuels (stabilization fund	d) 3.97

