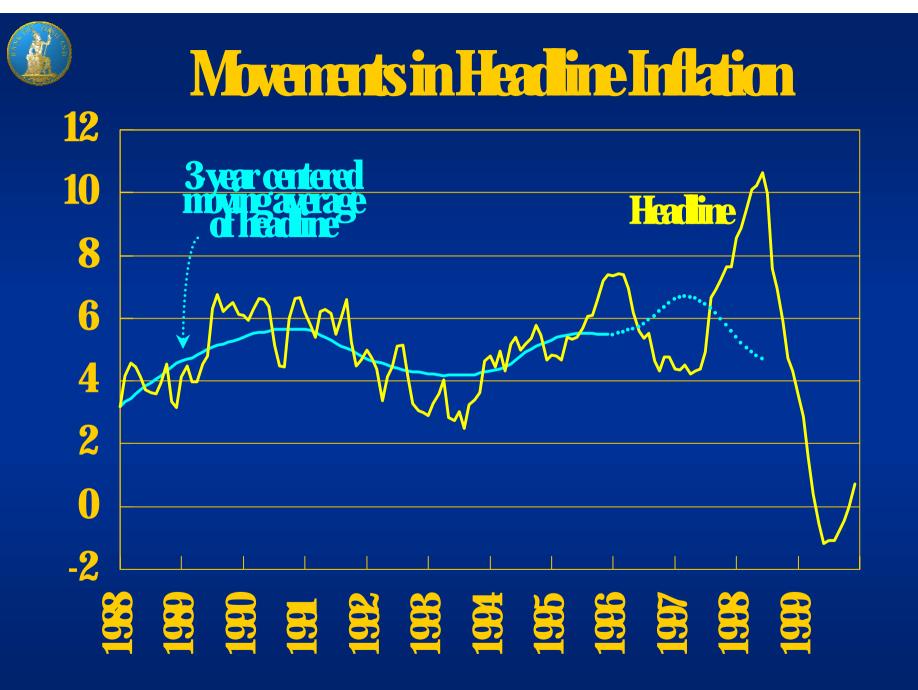




# **CoreInflation in Thailand** *Issues, Measurement, and Policy Implications*

# Mark Griffiths & Roong Poshyananda





## Commentation is a measure of inflation which reflects the permanent component of the charge in the price level that can be effectively influenced by more tary policy.



## Motivations for Measuring Core Inflation

#### (1) "Clarity": to better reflect arrent and future trends in inflation

- (2) "Controllability": to capture the part of inflation movements that is controllable by more tary policy
- (3) "Credibility": to improve the credibility of the more tary authority



# Popular Technique of Measuring Core Inflation

- Excludes meitens of the CPI basket from core measure
  - Excluded items are determined *a priori* from time series (listorica) price behaviors
  - Price movements of excluded items reflect shoks or charges which more tary policy my legitimetely accommodate

Items Often Excluded from Core Measure		
Type of Excluded Items	Examples	
Subject to supply shocks; Offsetting supply shocks would aggravate the adverse impact on output	Food prices Commity prices Energy prices	
Volatile but self-corrective movements due to seasonal behaviors	Food prices Commity prices	
<b>Perverseresponseton metary policy</b>	Interest charges Mortgage interest Housing capital costs	
Once and for all change	Infrect taxes	
<b>Possible policy conflicts</b> Dedicated to change for a bottor T	Controlled prices Government subsidies	



# **Exemptions from Headline Inflation**



Food prices motily prices X X X X X 01125 X **GIE** carital costs X \* \* X Government subsidies

\* Escape clause for "unusual events" \*\* Statistics NZ will exclude interest services from the CPI Sources: Haldane; Cufer et. al.; Reutens; Central banks' websites Dedicated to change for a better Thailand



# **Contries Which Use Head ine Inflation**

### II countries

#### Israel, Mexico, Sweden, NewZealand (Dec. 1990 Dec. 1997)

#### Non IT countries

#### Gemany, France<sup>\*</sup>, Italy<sup>\*</sup>, HongKong Malaysia, Singapore, Switzerland

\* France and Italy exclude the price of tobacco



Chrices of Exclusion from Core Measure for the Case of Thailand (% CPI basket)

- All food (38%)
- **Rawfood (17%)**
- Energy (6%)
- Controlled prices (6%)
- Infrect taxes (VAT & excise taxes) (9%)
- Combinations of the above





## Dostheorenesseposide adverind/atimof or met and future trenk?





#### **3year centered ma Headline inflation**

Excluding All food Rawfood Energy Controlled prices Indirect taxes Rawfood & energy Rawfood, energy, taxes





Isthearenasie meandatalwitharantalatethough metryplicywittle?

#### **sample period 1998 01-1999 12**

**R<sup>2</sup> of regression**  $\Pi_{\text{yoy,t}} = \beta_0 + \Sigma_{k=24.36} \beta_k \Delta \mathbf{m}_{k-k}$ **RP1 week** 019015019027023019 032 035

Headine inflation Excluding All food Rawfood Energy **Controlled prices Indirect** taxes **Rawfood & energy** Rawfood, energy, taxes





# Destheoremasueinpow theorethilityof themnetary automity?

#### **simple period** 1998 01-1999 12

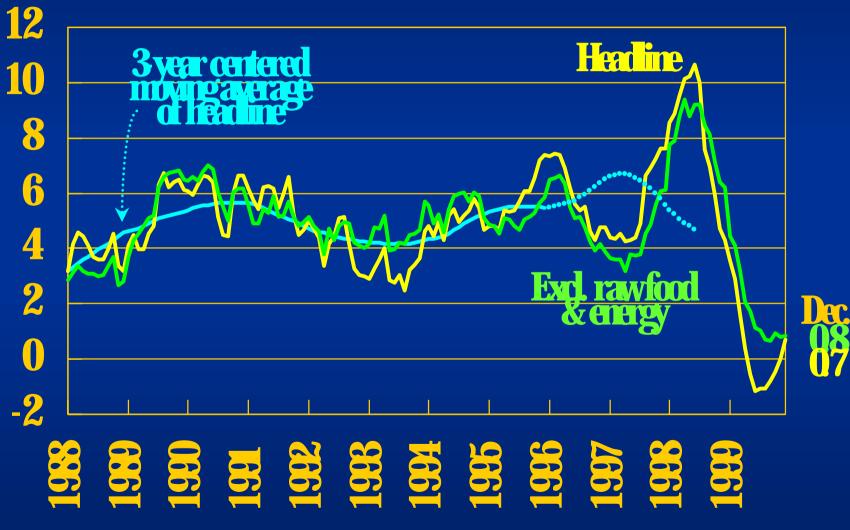




Headine inflation	000	<b>55</b>
Excluding		
All food	038	<b>46</b>
Rawfood	017	<b>53</b>
Energy	006	<b>56</b>
<b>Controlled prices</b>	006	<b>54</b>
Indirect taxes	009	<b>52</b>
<b>Rawfood &amp; energy</b>	023	<b>53</b>
Rawfood, energy, taxes	031	<b>49</b>

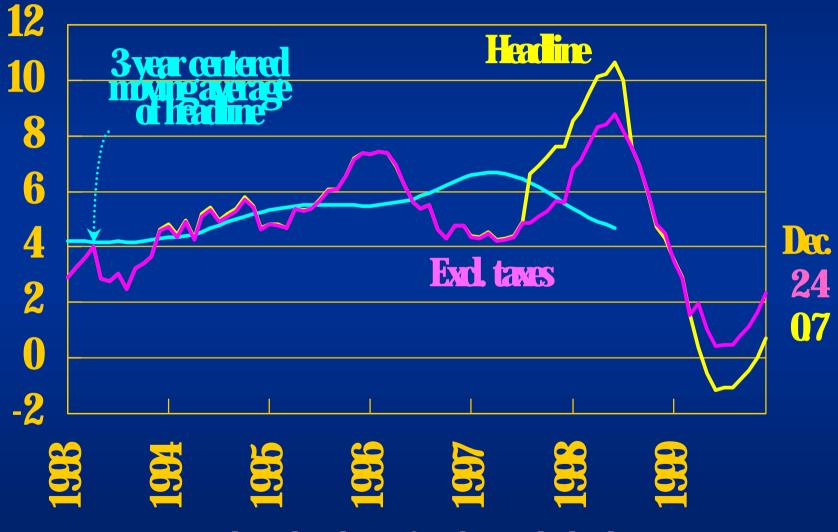


# Headine Inflation and Core Inflation Excluding Raw Food & Energy

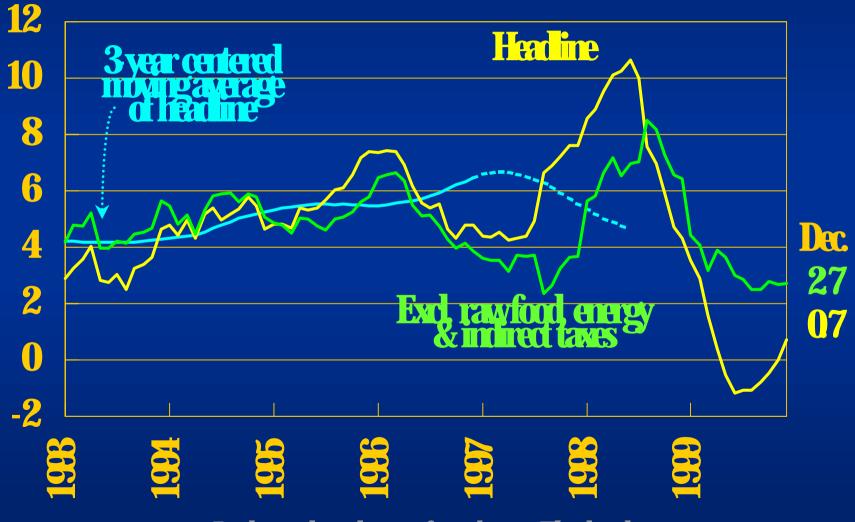




## Headine Inflation and Core Inflation Excluding Indirect Taxes



# Headine Inflation and Core Inflation Excluding RawFood, Energy & Inflation Taxes





## AlterativeApproach to Measuring Core Inflation

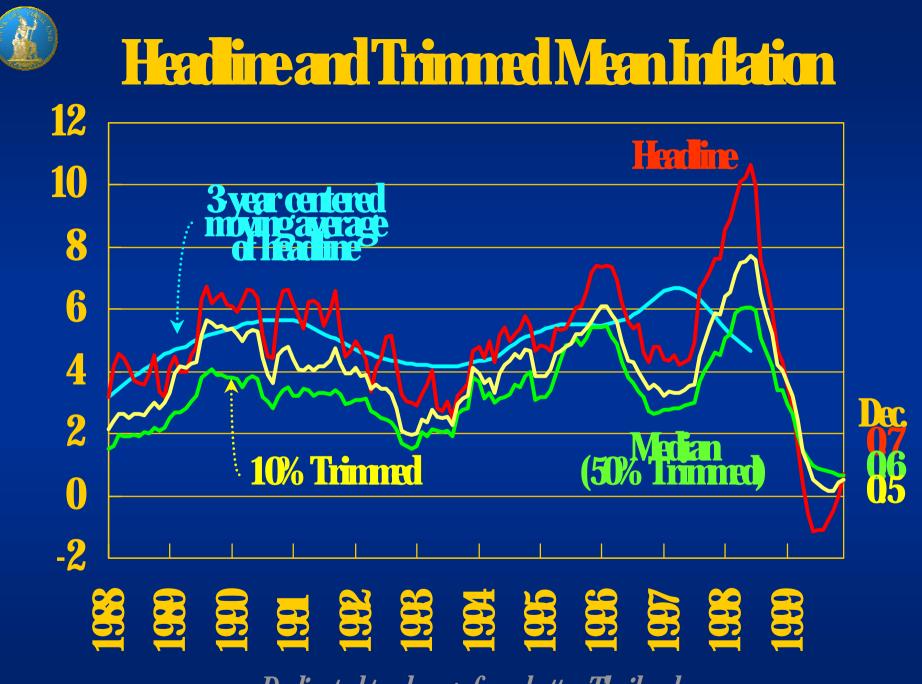
- Excludes one items of the CPI basket from core measure
  - Excluded items are the ones identified as "outies" based on the coss sectional distribution of monthly price dragss
    List of excluded items can drage from multicommutications.



(31 Components, 1987:02-1999.12)

Most Frequently eetables & fruits (2) Vehicle items other than gastine, cars & motorcycles Berzene Diese **(5) Cars** 6 Rice flar & flar products 7) Motorcycles (8) Eggs & dairy products 9 Meat, poultry & fish **9 Utilities** 

Least Frequently **(1) Shelter (2)** Furniture (3) Household textiles (4) Merisapparel (5) Women's apparel (5) Personal services (7) Recreation **(8) Clothes** (9) Medical services (9 Commications





# **Policy Implications**

## Option1: Target CPI inflation but abomnitor core inflation

## Option2 Target orieinflation excluding rawfood & energy (& indirect taxes)

Advantages of Core Inflation Excluding RawFood & Energy (& Infrect Taxes)

- . Significantly lower volatility, dearer inflation trend
- . Remaining part is mineresponsive to minetary policy
- . Movedosely with cost of living
- . Acceptable loss in comprehensiveness

