

CENTRAL BANK POLICY MIX

Dr. Solikin M. Juhro

Executive Director,
Head of Bank Indonesia Institute
Bank Indonesia

2018



KEY MESSAGES

Post-GFC Economic Challenges

Lessons Learned from the GFC

From Standard ITF to Flexible & Integrated ITF: Road to CB Policy Mix

- Monetary & Macprudential Policy Integration
- Capital Flow Management

Challenges Ahead:

- Maintaining Growth under **'The New Normal'**
- Managing Digital Economy Uprising

Central Bank Policy Mix
("Integrated Policy Framework")

Closing

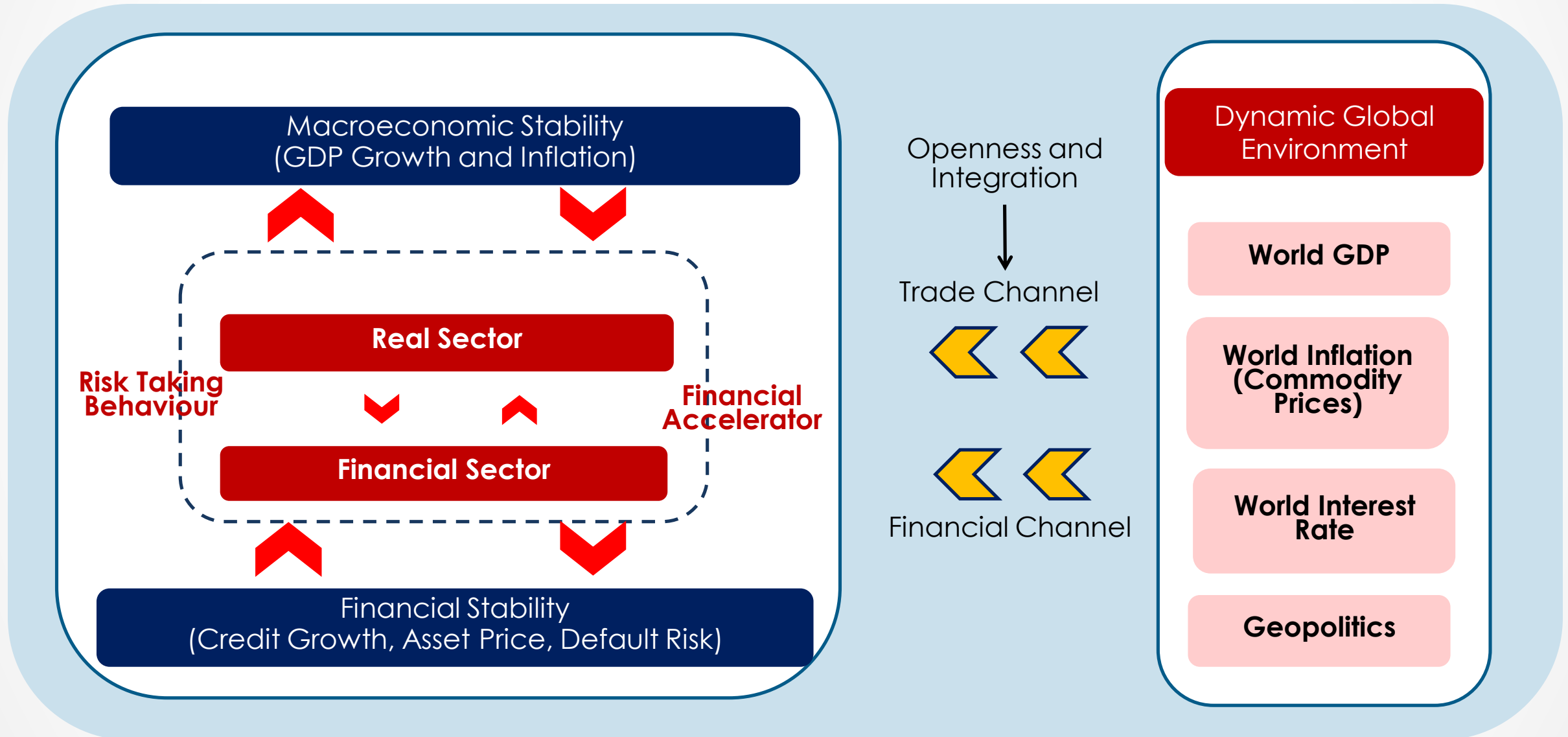
Flashback: Inflation Targeting Framework (ITF)

UU No.23 Tahun 1999 menjadi dasar bagi Bank Indonesia untuk menerapkan kerangka kerja Inflation Targeting sbg kerangka kerja kebijakan moneter di Indonesia (secara formal pada 1 Juli 2005)

No	Kriteria	Bernanke et al. (1999)	Svensson (2000)	King (2004)
1.	Kestabilan harga sebagai tujuan utama kebijakan moneter	Ya	Ya	Ya
2.	Pengumuman target inflasi	Ya	Ya	Ya
3.	Target inflasi jangka menengah	Tidak jelas	Ya	Ya
4.	Komunikasi intensif dengan publik	Ya	Ya	Ya
5.	Penggunaan kaidah kebijakan (<i>rule</i>) moneter secara spesifik	Tidak jelas	Penargetan prakiraan inflasi	Penargetan inflasi + respon thd sisi penawaran
6.	Publikasi prakiraan inflasi dan output	Tidak perlu	Ya	Tidak jelas
7.	Target ditetapkan oleh pemerintah (<i>goal dependence</i>)	Ya	Tidak perlu	Tidak perlu
8.	Penggunaan instrument secara independent (<i>instrument independence</i>)	Ya	Ya, tetapi tidak disebutkan secara tegas	Ya

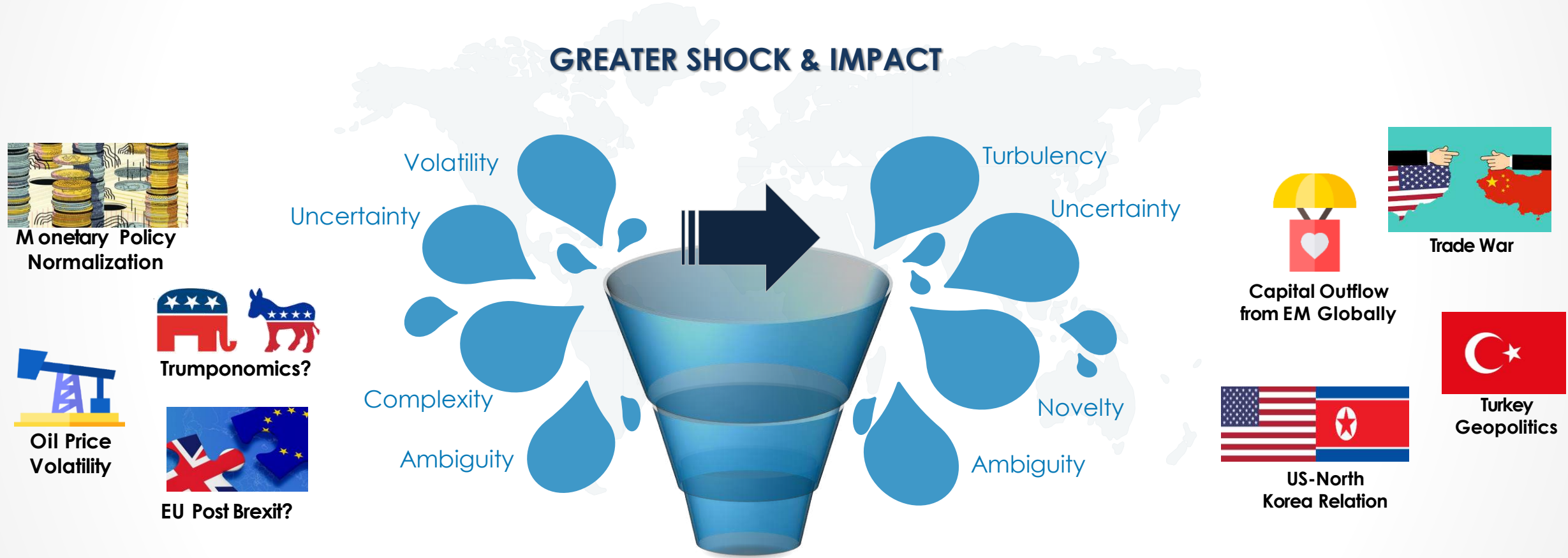
Post-GFC Challenges:

Managing Monetary & Financial Stability in a Dynamic Global Environment



Post-GFC Challenges:

From VUCA to TUNA



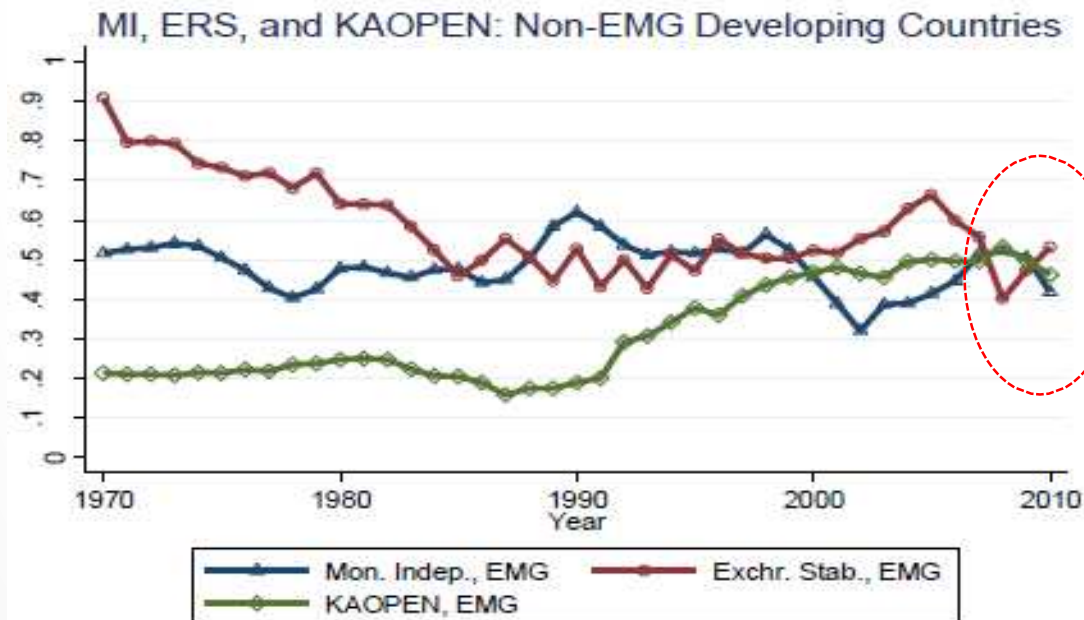
(Im)Possible Trinity Solution

Policy Trilemma....

“overtime, the three goals cannot be attained simultaneously” (Mundel, 1968). “only two out of three” conditions above can be applied together”

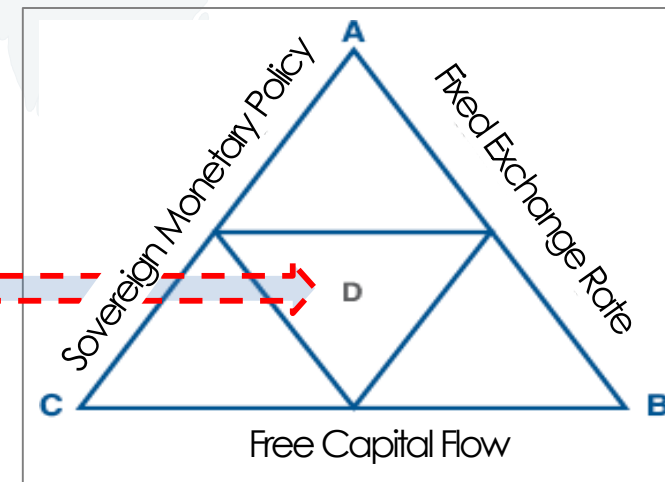
“The impossible trinity was managed by preferring middle solutions of open but managed capital account and flexible exchange rate but with management of volatility. Rather than relying on a single instrument, many instruments have been used in coordination.” (Mohan and Kapur, 2009).

(Im)possible Trinity Evaluation in Emerging Markets



Source: Juhro, 2014

Policy Trilemma



1 : 1 : 0

“can reach only two of three”

Vs

2/3 : 2/3 : 2/3

“possible to manage the three”

Lessons Learned

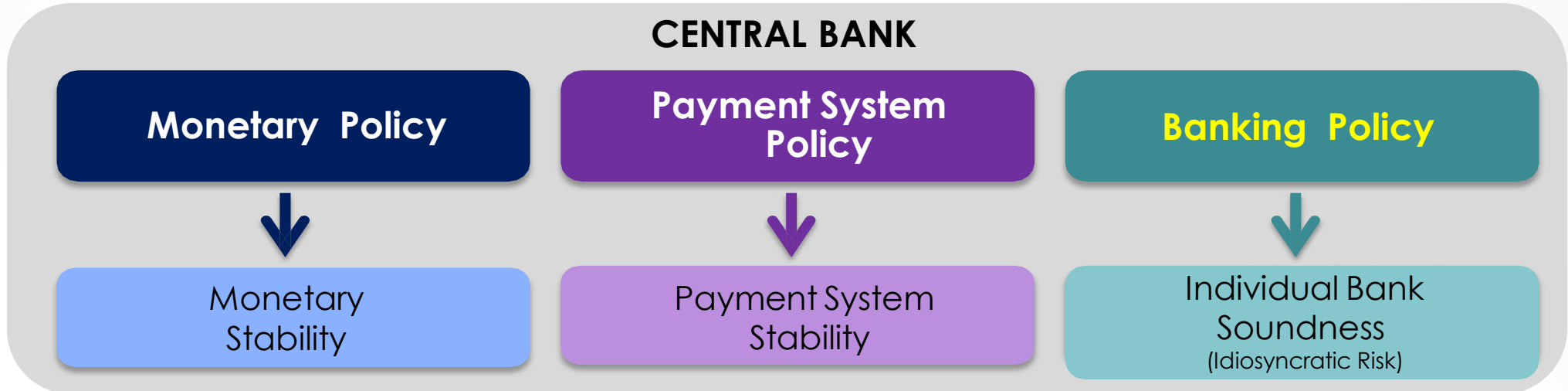
- ***“There is no macroeconomic stability without financial stability”.*** Maintaining price stability, without maintaining financial system stability is not enough (insufficient) to achieve macroeconomic stability.
- **Capital flow dynamics lessen monetary policy effectiveness.**
- **Exchange rate dynamics are largely influenced by investor risk perception; need for managing the exchange rate in order to avoid excess volatility.**



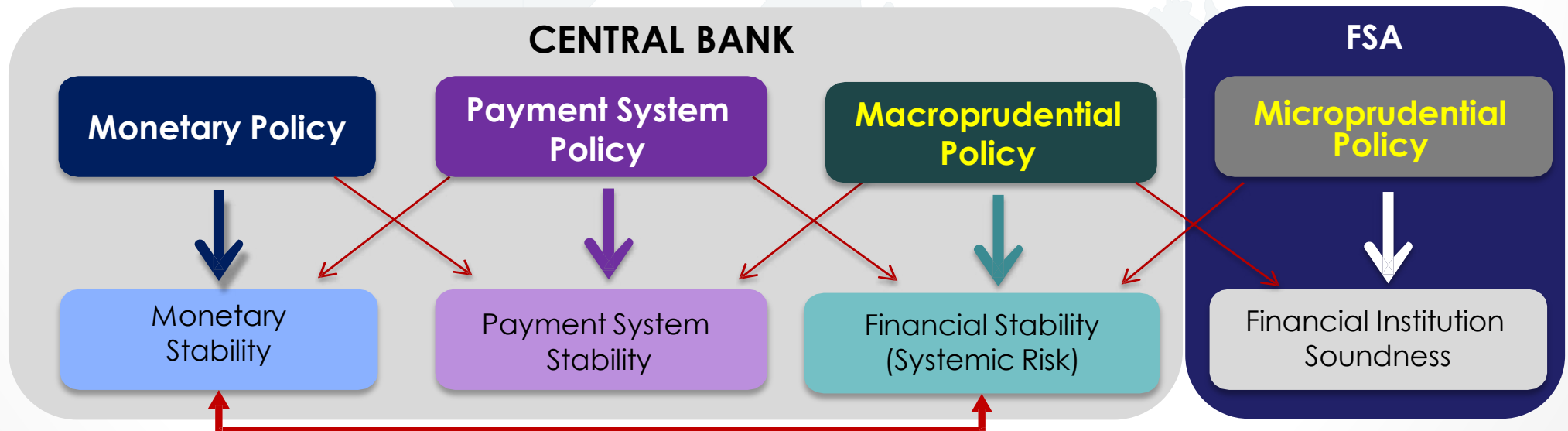
- **The multiple challenges** as a result of dynamic capital flows imply that monetary authorities should employ **multiple instruments (a policy mix)**.
- It requires **integration** of monetary and macroprudential policy, including capital flow management and exchange rate policy.
- **Managing the ‘Trilemma’**: Impossible Trinity vs Possible Trinity

Post-GFC Central Bank Policy: Pivotal Linkages

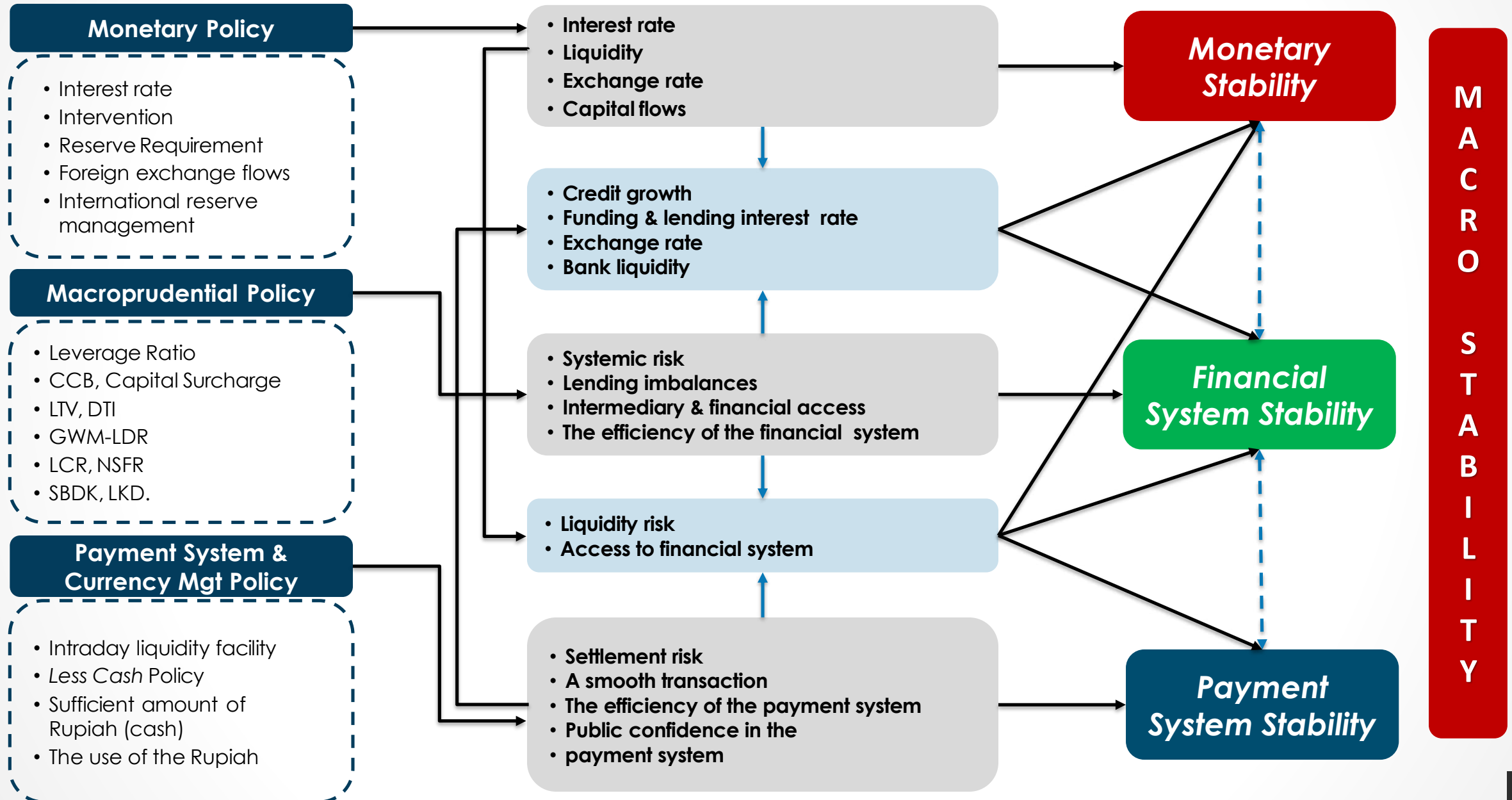
Pre GFC 2008/09



Post GFC 2008/09



Post-GFC Central Bank Policy: Pivotal Linkages



From ITF to Flexible ITF

Mishkin (2011): "none of the lessons from the financial crisis in any way undermines the nine basic principles of science of monetary policy".

Standard Inflation Targeting Framework (ITF) which solely rely on interest rate policy to achieve the inflation target is not always effective in EM countries.

Enhancement

Flexible ITF was built while remaining grounded in the important elements of the ITF that had been built.

(Juhro & Goeltom, 2012; Juhro, 2016)



Key Elements of Flexible ITF



Inflation remains the main target of monetary policy.



Monetary policy and macroprudential policies integration



Strengthening exchange rate policies & capital flows



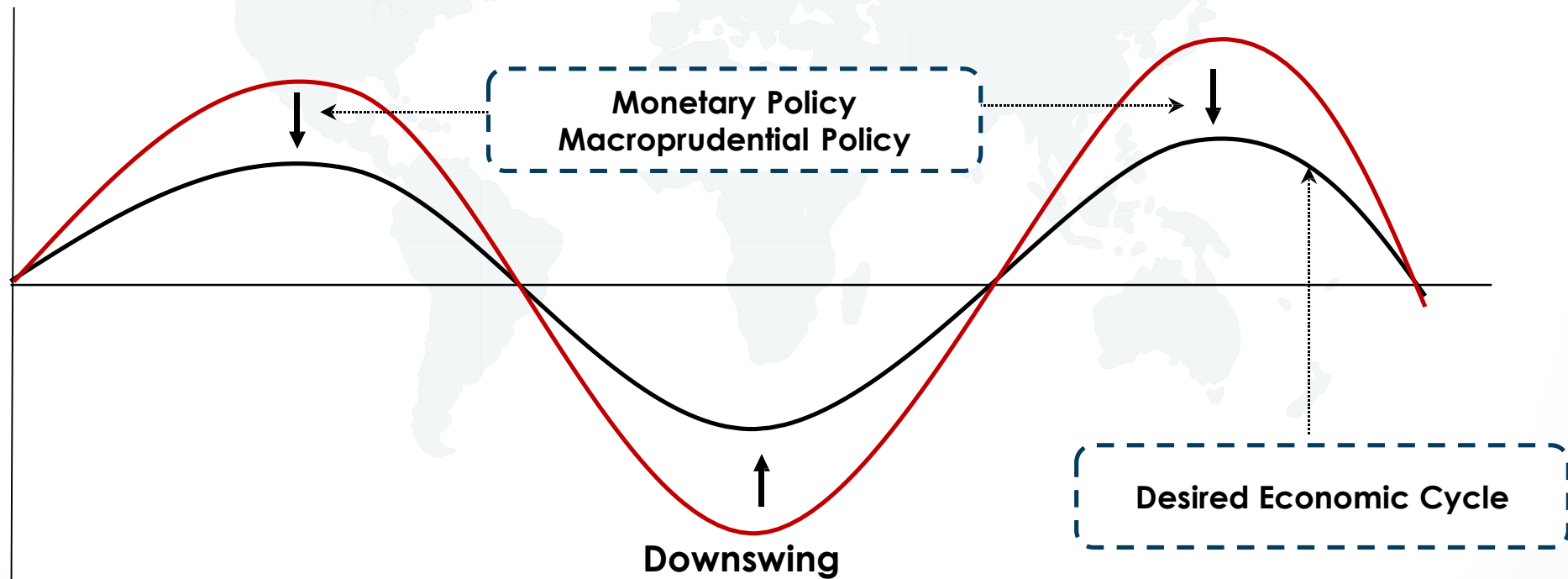
Strengthening policy coordination between CB & Government



Strengthening policy communication as part of policy instruments.

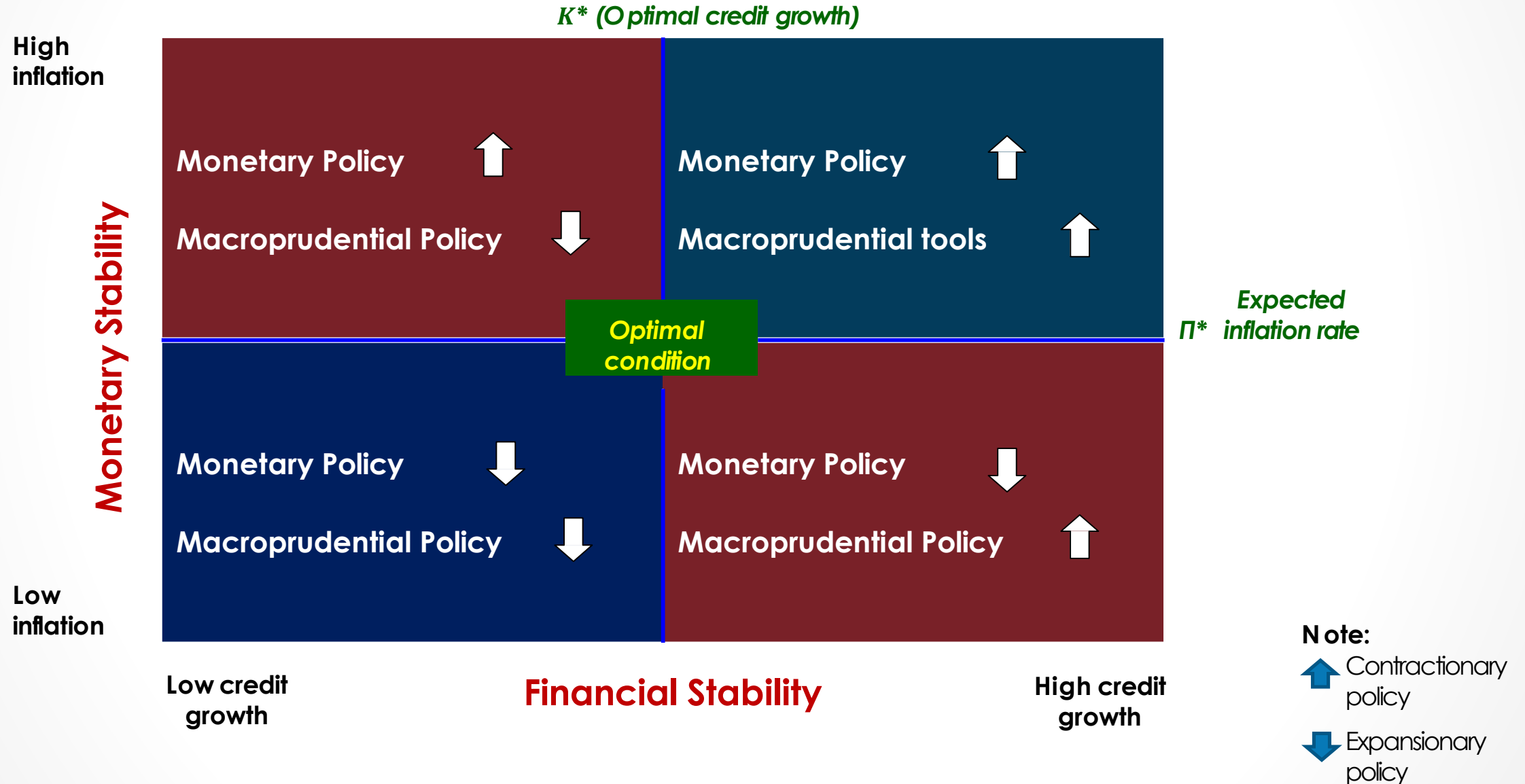
Monetary & Macroprudential Policy Integration

“Macroprudential policy seeks to develop, oversee and deliver appropriate policy responses to the financial system as a whole. It aims to enhance the resilience of the financial system and dampen systemic risks that spread through the financial system”. (The G-30).



Monetary and macroprudential policies are countercyclical measures to reduce magnitude of the business and financial cycles and they are reinforcing each other.

Monetary & Macroprudential Policy Integration



Capital Flow Management (CFM)

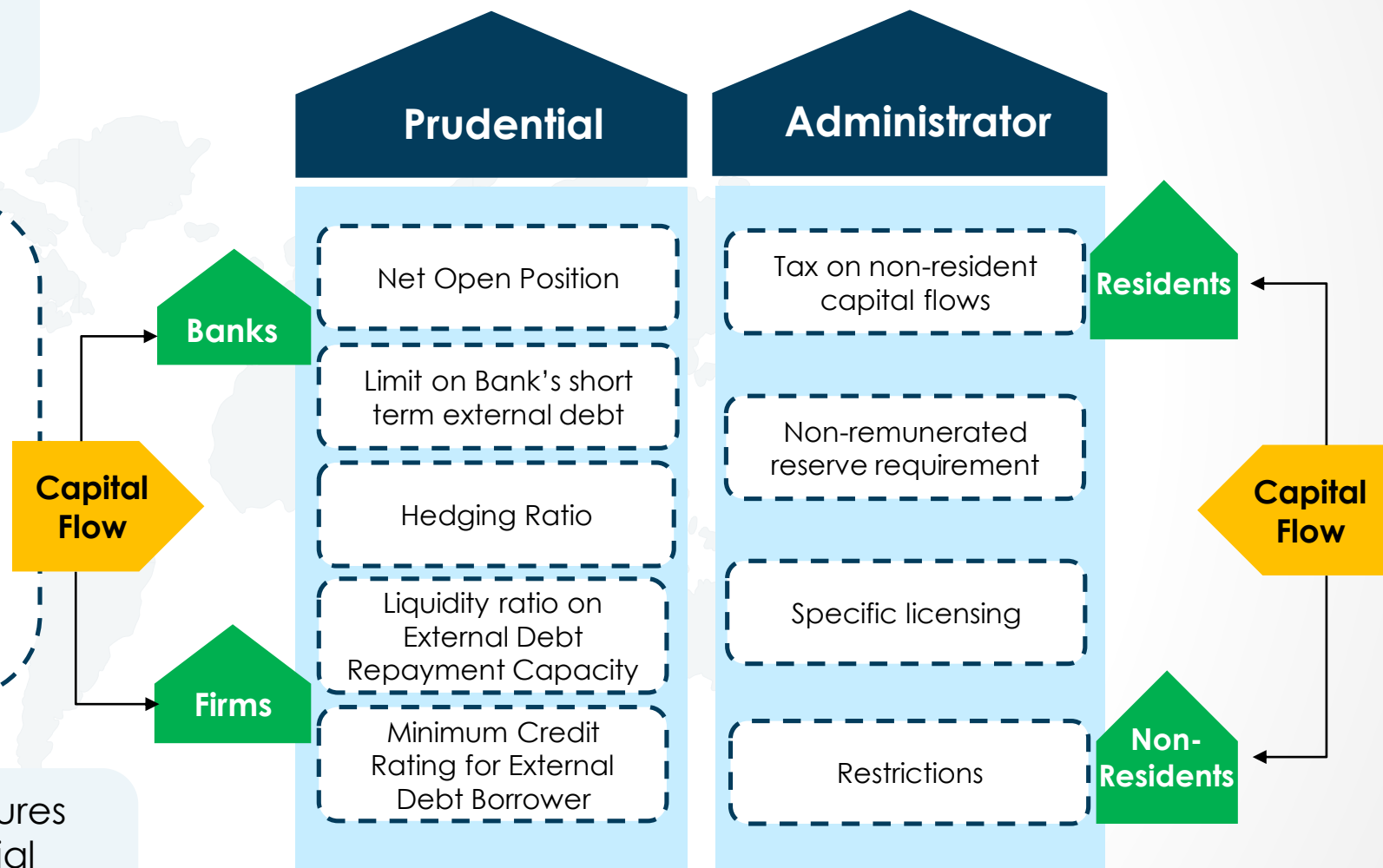
The IMF's "institutional view" (2012): CFMs refer to measures that are designed to limit capital flows, and encompass both measures that discriminate on the basis of residency and those that do not.

Goals of Capital Flow Management

- Support exchange rate stability, and prevent the risks of balance of payments crises and sudden-stop capital reversal.
- Mitigate pro-cyclical and systemic risks from external debt accumulation and the volatility of foreign capital flows.

Macroprudential measures refer to measures that are designed to limit systemic financial risks, including risks associated with capital flows.

CFM's Instruments: Prudential & Administrative



Integrated Policy Responses to Capital Flows

(Indonesia's experience)

Monetary Policy Measures

Sterilized FX market intervention

Dual intervention (FX and bonds intervention simultaneously)

Interest rate

FX Reserve accumulation

Capital Flows Management

Minimum Holding periods for short term bills (CB bills)

- Increase duration during inflows
- Reduce duration during outflows

Macroprudential Measures

Increase RR Rp. and FX and Secondary RR

Limiting Short Terms Borrowings Exposure of Banks (eg 30% capital)

Risk Management of Corporate FX borrowings (hedging requirement, FX liquidity req, credit rating)

LDR-linked reserve requirement

Loan To Value Ratio for Housing Loans and Down Payment Rule for Automotive Loans

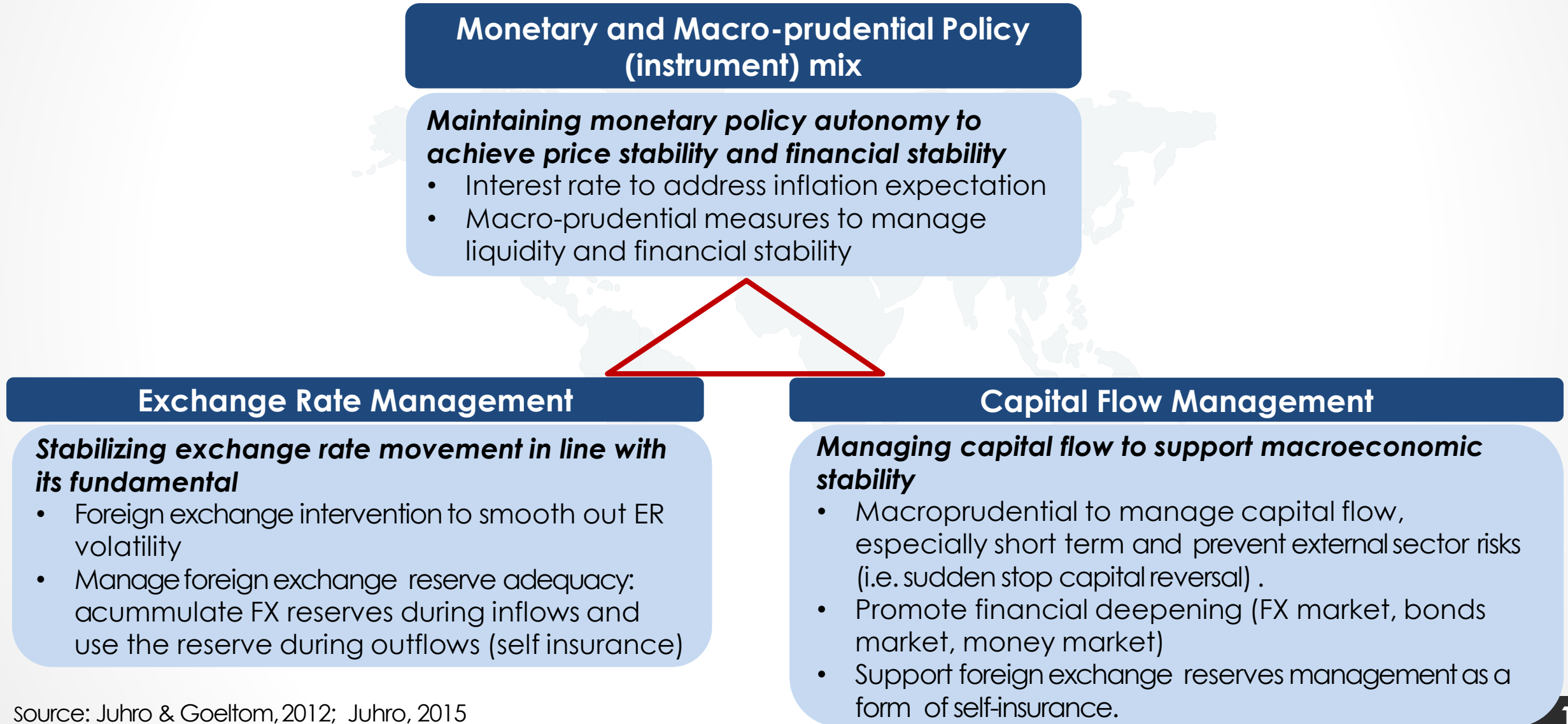
Structural Policy

Financial market deepening (FX market, bonds market and money market)

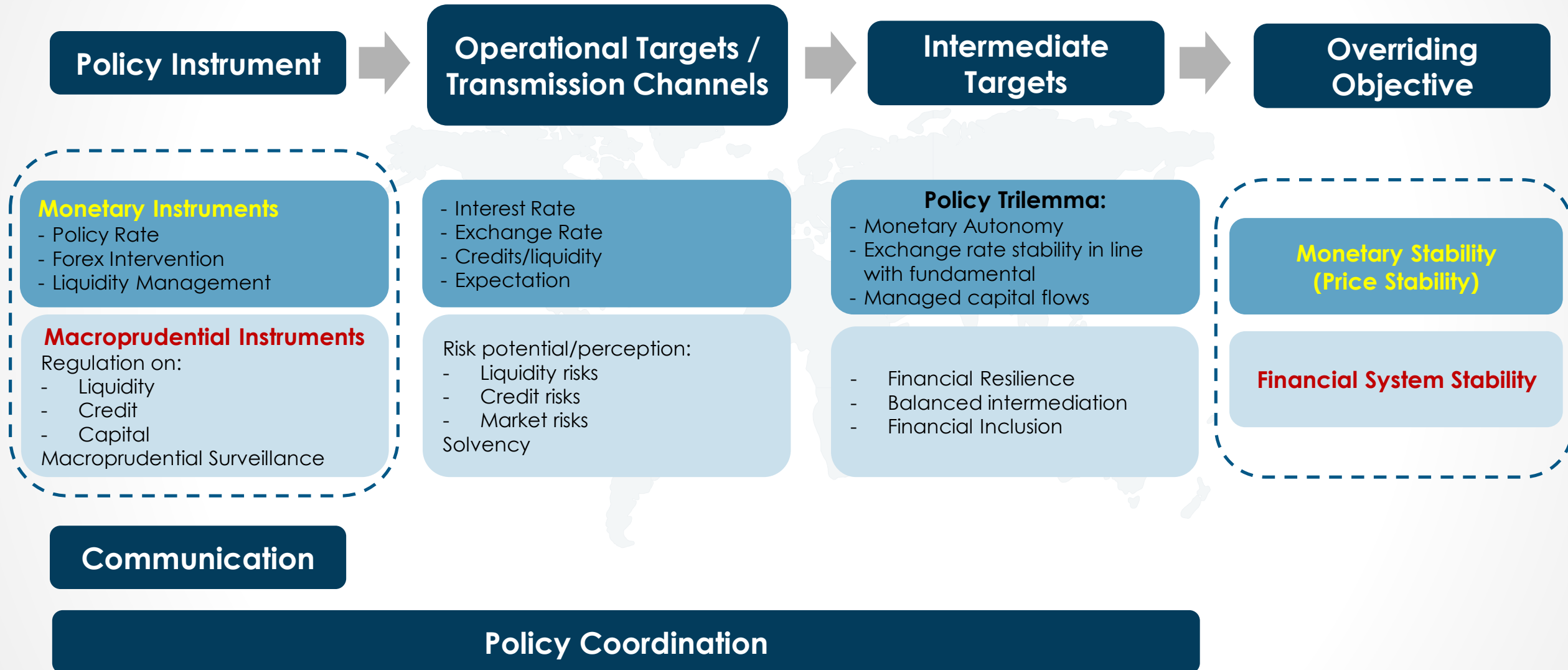
Export proceed regulation

Bank Indonesia's Trilemma Management

Policy instrument mix is an important strategy to optimally manage monetary policy trilemma



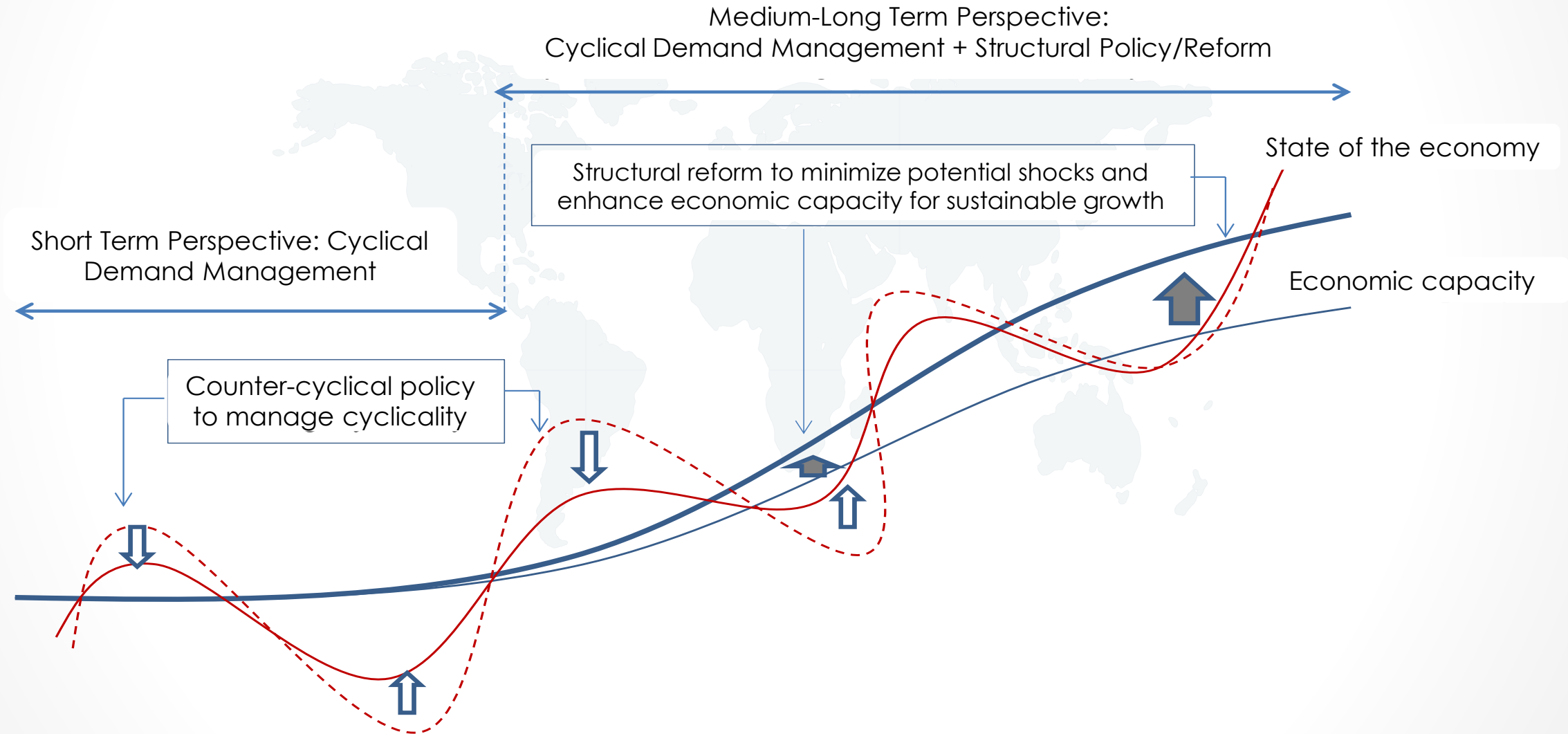
CB Policy Framework under Flexible ITF



Flexible vs. Integrated ITF: Road to CB Policy Mix

Flexible IT and IIT regimes			Table 7.1
		Flexible IT	Integrated IT
Objectives: macroeconomic stability	Price Stability	Inflation target (point/centre of band) using Taylor rule for short-term interest rate	Inflation target (point/centre of band) using state-contingent, augmented Taylor rule for jointly calibrated short-term rate with financial/credit argument
	Output Stability		
	Financial Stability	Microprudential	Macroprudential instruments + floating exchange rate with FX interventions, not peg/fix, but smooth volatility and impact on balance sheets
		Floating exchange rate	
Institutional arrangement	Price Stability	Monetary Policy Committee	Monetary Policy Committee
	Financial Stability	Prudential Authority	Financial Stability Committee
	Location	Two independent agencies	Mostly within same agency (central bank)
	Operational modus	Separation	Coordination
Supportive policies	Financial debt sustainability	Fiscal rule on consolidated public sector deficit	Fiscal rule on consolidated public sector deficit + stabilization fund (commodity exporters) + prudential rules on private sector debt, especially FX-denominated
	Capital flows	Open capital account floating exchange rate	Open capital account, floating exchange rate with: (upswing) ER appreciation, macroprudential instruments up to CFM; (downturn) ER depreciation, FX intervention for smoothing, not to set level
			Spillovers and spillbacks of policies including macroprudential instruments call for some international coordination
		Reserve accumulation and (IFIs) external credit lines	Reserve accumulation and (IFIs) external credit lines and bilateral/regional swap lines

Challenges Ahead: Macroeconomic Stabilization under “The New Normal”



Source: Juhro, 2015

Challenges Ahead: Digital Economy Uprising

Global Prospects

Global economic recovery
Increase in commodity prices

- Efficiency vs stability
- Money vs technology
- Intermediation form
- Crossborder payments

Domestic Prospects

Domestic economic recovery
& structural reforms
Lower current account deficit

Increasing Pressure on Global Inflation

US Policy:

Fiscal Expansion & Tight Monetary
Relaxing the Financial Regulations
Protectionism

EU: Increase in Geopolitical Risk

Populism

Pressure on Currency from Global Increasing Pressure on Inflation:

Increase in administered prices &
volatile foods prices

Optimizing monetary transmission:

Slow decrease on lending rates
Weak overall lending figures

Financial Stability:

Banking & corps consolidation
Credit risk: NPL

GLOBAL

Challenges

DOMESTIC

Central Bank Policy Mix

“Integrated Policy Framework”

Central Bank Policy Mix is directed at continuing to strengthen economic stability and maintain the momentum of economic growth

*The central bank's **POLICY COORDINATION** with the Government's fiscal policy and structural reforms is **SUFFICIENT** to promote high and inclusive growth, while maintaining macroeconomic and financial system stability.*

Central Bank Policy

- **Goal:** Maintaining price stability and supporting financial stability
- **Mix of instruments:** interest rates, exchange rates, capital flow management, and macroprudential policies

Fiscal Policy

- Maintaining macroeconomic stability through credible fiscal deficits and public debt.
- Tax policies and allocation of productive expenditures for high and inclusive growth stimulus.

Structural Reform

- Achieve high growth through the productivity of capital, labor, and technology improvements.
- Reforms in infrastructure, investment climate, trade and labor sectors.

Economic Policy Coordination in Indonesia

Policy coordination between Bank Indonesia (BI), the Government and related authorities will continue to be promoted to maintain macroeconomic stability and encourage economic growth...

1 INFLATION CONTROL

National & Regional Inflation Control Team (TPI & TPID). Programs to cope with availability of supply, affordability of price, smooth distribution, eEffective coordination.

2 IMPROVEMENT OF ECONOMIC STRUCTURE

Quarterly Coordination Meeting between Central-Regional Governments and BI (Rakorpusda) focused on improving the current account deficit, investment financing, especially infrastructure, and the development of digital economy & finance.

3 FINANCIAL SYSTEM STABILITY

- **KSSK (FSS Committee).** Prevention and handling of financial crises.
- Harmonization of **BI-OJK (FSA)**'s macro-prudential-microprudential policies.
- **BI-LPS (Deposits Insurance Corp.)** Coordination.

4 FINANCIAL MARKET DEEPENING

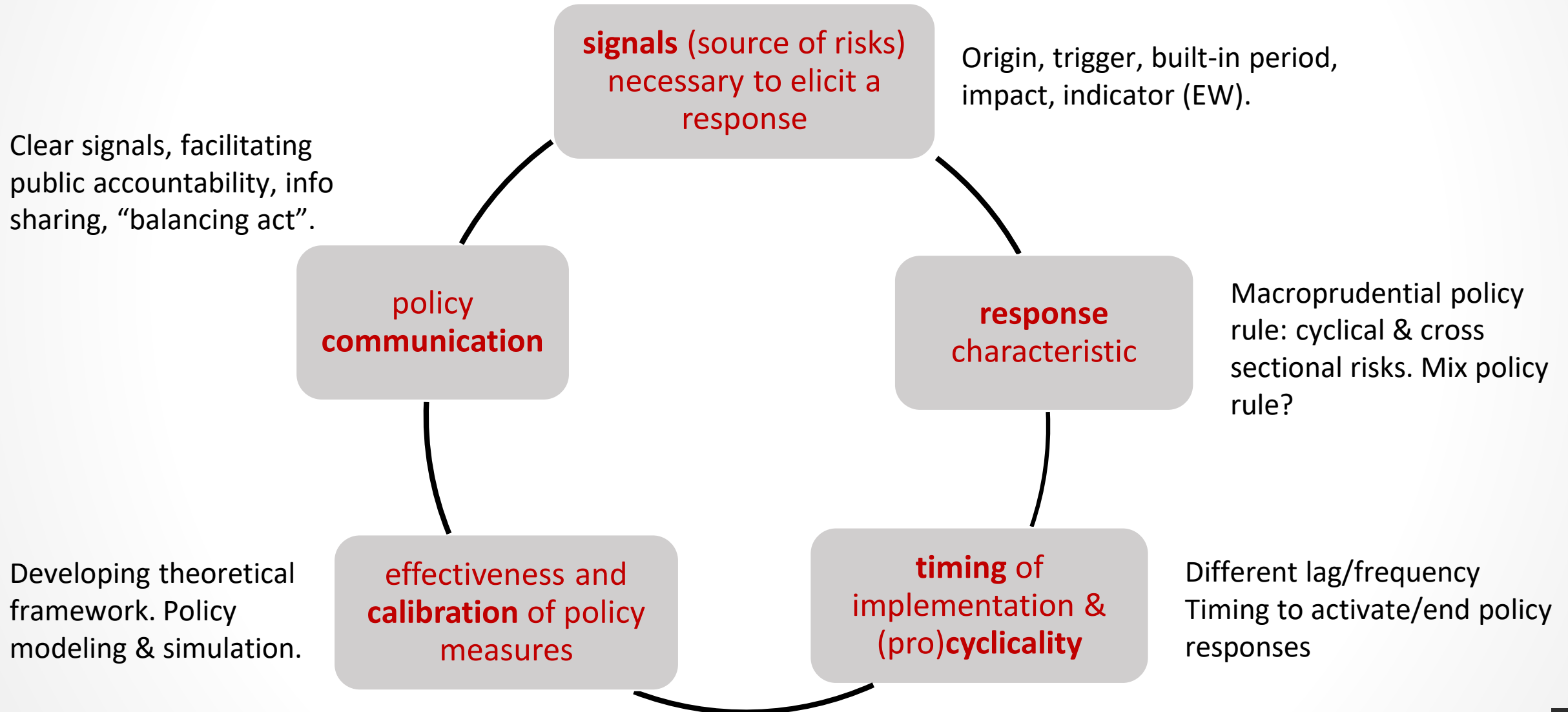
The FK-PPK (Coordinating Forum for Financial Market Deepening) focused on innovating economic financing instruments through financial markets, infrastructure development and expanding the investor base, and harmonizing regulations

5 DIGITAL ECONOMY & FINANCE

- ✓ **Coordination between BI-OJK** on digital financial policies in the payment system with digital financial policies to encourage financial intermediation.
- ✓ Coordination across ministries and agencies to build a digital economic & financial ecosystem.
- ✓ Establishment of a **National Committee for the development of digital finance.**

Technical Aspect of Implementation

Several aspects that need to be considered to make instrument mix work optimally: (Juhro, 2014):



Closing

- Against the backdrop of a dynamic global environment, **multitude of challenges** confronting the EMEs demand a policy mix response utilizing **multiple instruments**.
- In the initial period of post-GFC, monetary policy framework enhancement in Indonesia is, in general, characterised by the **'Flexible' ITF**. It continues to adhere to an inflation target as the overriding objective of monetary policy. The main characteristics of ITF remain; yet, ITF is implemented in a more feasible way.
- Further framework enhancement implies that **central bank policy mix** is ultimately part of an important strategy to optimally manage central bank **policy trilemma** in the current climate blighted by widespread uncertainty.
- Under central bank policy mix, strengthening **policy coordination between central bank and government** is SUFFICIENT, in maintaining the momentum of economic growth, while safeguarding monetary and financial system stability.



THANK YOU

