The Heads and Tails of Money Creation, its System Design Failures and the Alternative Design of Public Money

12th Annual AMI Monetary Reform Conference

Skype Presentation

by

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9:00 AM (11:00PM Japan Time) Sept. 30, Friday 2016

The Heads and Tails of Money Creation and its System Design Failures

- Toward the Alternative System Design -

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of the System Dynamics Society
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We are now living under the Debt Money System!

The Gist of our Paper

1. Heads and Tails of Money (Deposit) Creation

- Banks are intermediaries of money (Heads)
- Banks create deposits out of nothing (Tails)
- Two theories are the heads and tails of the same coin

2. System Design Failure of Debt Money

- Debt money system is an unstable monetary system causing booms and busts

3. Alternative System Design of Public Money

- Monetary stability
- Liquidation of government debt

1. Heads and Tails of Deposit Creation



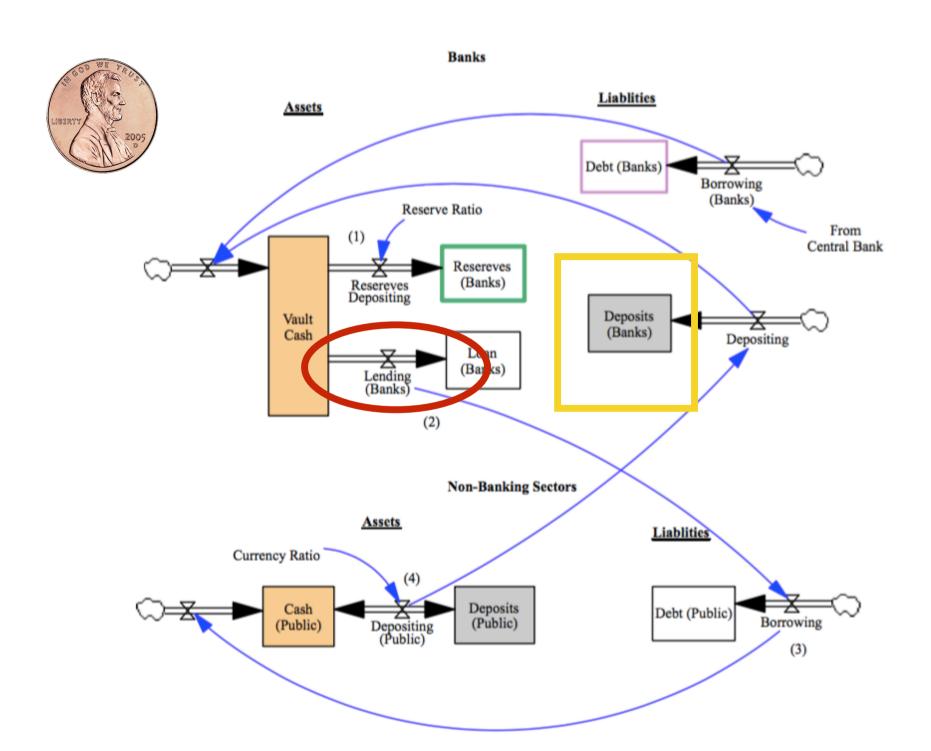






Heads: Banks as intermediaries of money

Hayek (1929); Keynes (1936); Samuelson (1948); Gurley and Show (1955); **Tobin** (1963, 1969); Sealey and lindley (1977); Balernsperger (1980); Mises (1980); Diamond and Dybvin (1983); Diamond (1984, 1991, 1997); Bernanke and Blinder(1988); Eatwell, Milgate and Newman (1989); Gorton and Pennacchi (1990); Bencivenga and Smith (1991); Bernanke and Gertler (1995); Stiglitz(1997); Rajan (1998); Myers and Rajan (1998); Allen and Gale (2004); Allen an Santomero (2001); Diamond and Rajan (2001); Kashyap, Rajan and Stein (2002); Mattews and Thompson (2005); Casu and Girardone (2006); Dewatripont et al. (2010); Gertler and Kiyotaki (2011); Stein (2014); Carney(2014), **Krugman** (2015).





Tails: Banks create deposits

Macleod(1856); Wicksell (1989); Withers(1909, 1916);

Schumpeter (1912); Cassel (1918); Hahn (1920) Hawtrey (1919);

Howe(1915); Gustav Cassel(1923); Macmillan Committee(1931);

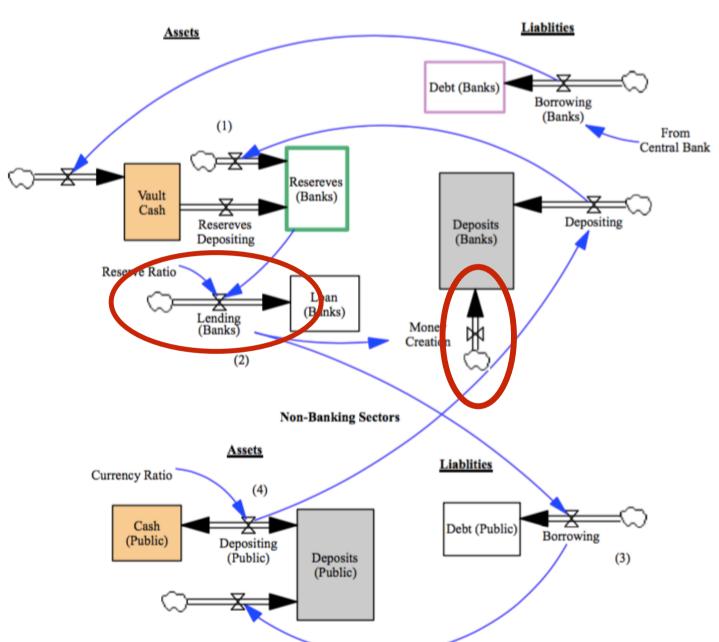
Fisher(1935,1939);

.

Rochon and Rossi(2003); Werner(2005); **Bank of England** (2014); Jakob and Kumhof (2015)



Banks

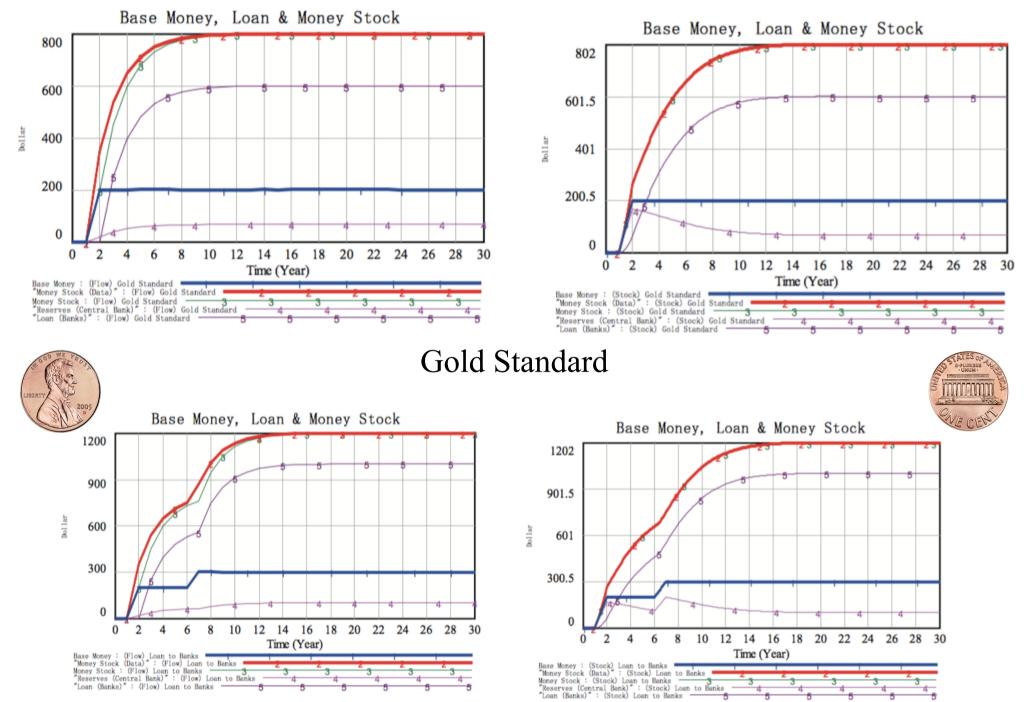


Banks are intermediaries of money

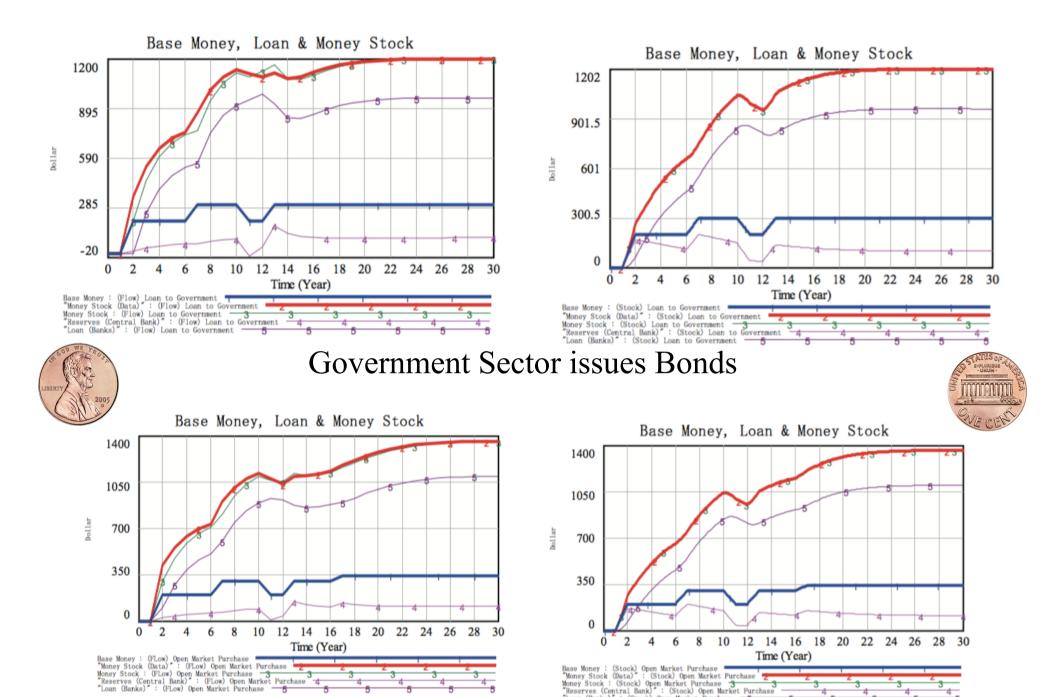
Yamaguchi (2004): Money Supply and Creation of Deposits – SD Macroeconomic Modeling, 22nd SD Proceedings, Oxford, U.K. 2004

Identical Behaviors of Heads and Tails





Discount Loans to Commercial Banks



Open Market Purchase Operation

(Asset Purchase Program)

2. System Design Failure

of Debt Money

Instability of Money Stock

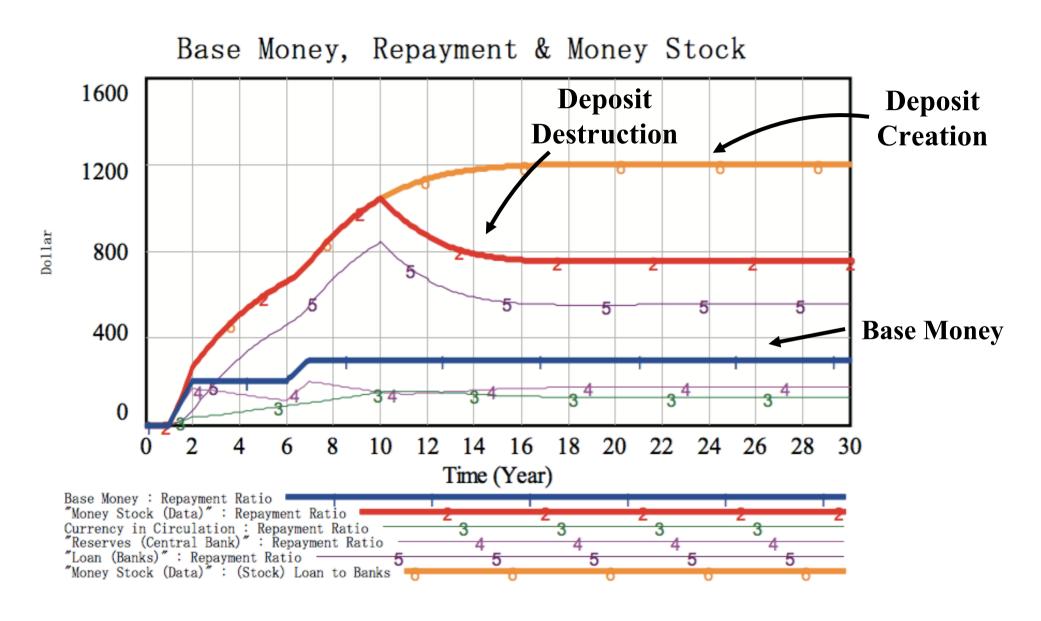
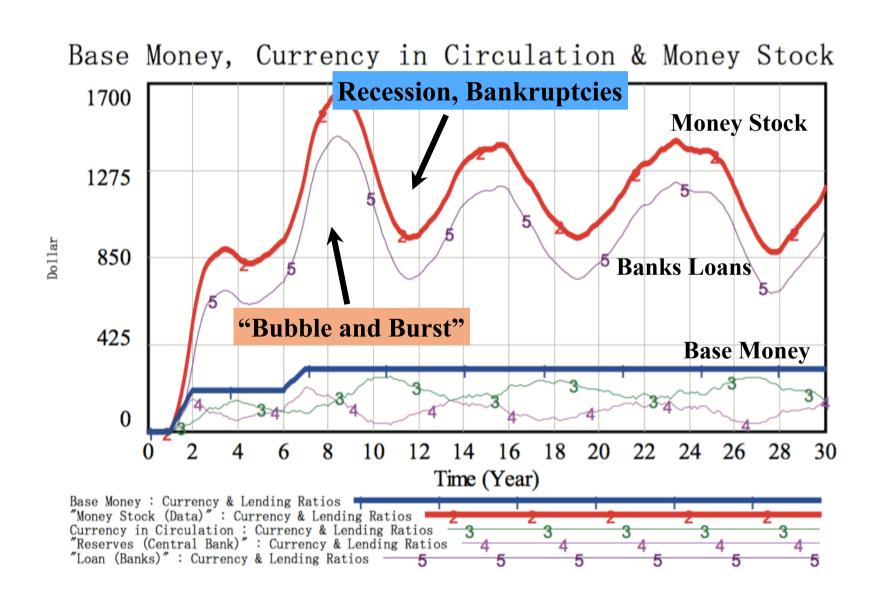


Figure 20: Destruction of Functional-Money by Repayments

Liquidity preference

Bank's capricious lending behavior





Monetary Instability: Great Depression

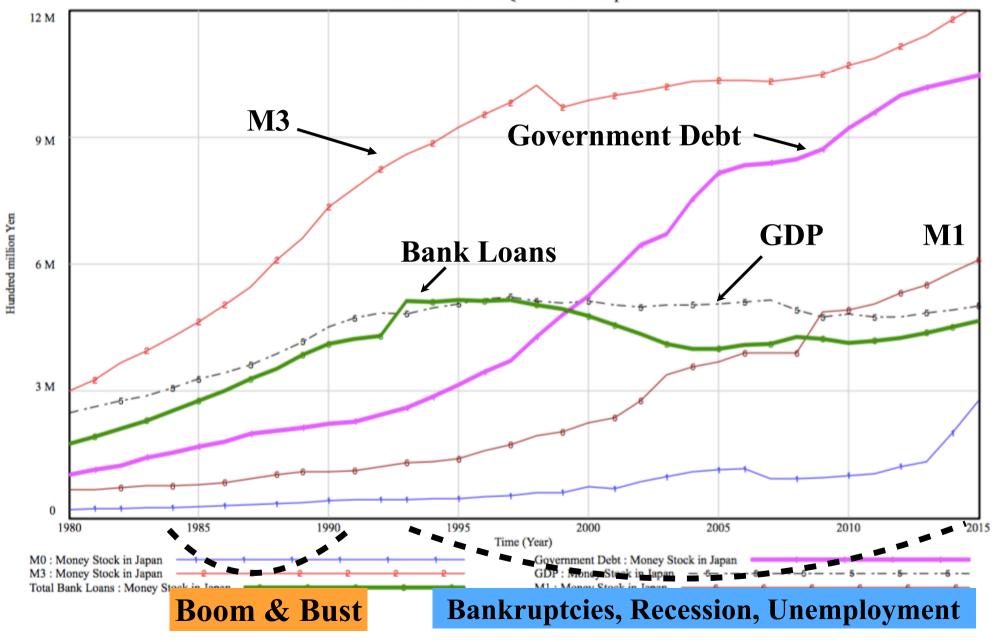
"This loss, or destruction, of 8 billions of check-book money* has been realized by few and seldom mentioned. There would have been big newspaper headlines if 8 thousand miles out of every 23 thousand miles of railway had been destroyed. Yet such a disaster would have been a small one compared with the **destruction of 8 billions out of 23 billions of our main monetary highway**. That destruction of 8 billion dollars of what the public counted on as their money was the chief sinister fact in the depression from which followed the two chief tragedies, unemployment and bankruptcies. "(pp. 6 - 7)

*destruction of demand deposits between 1929-1933

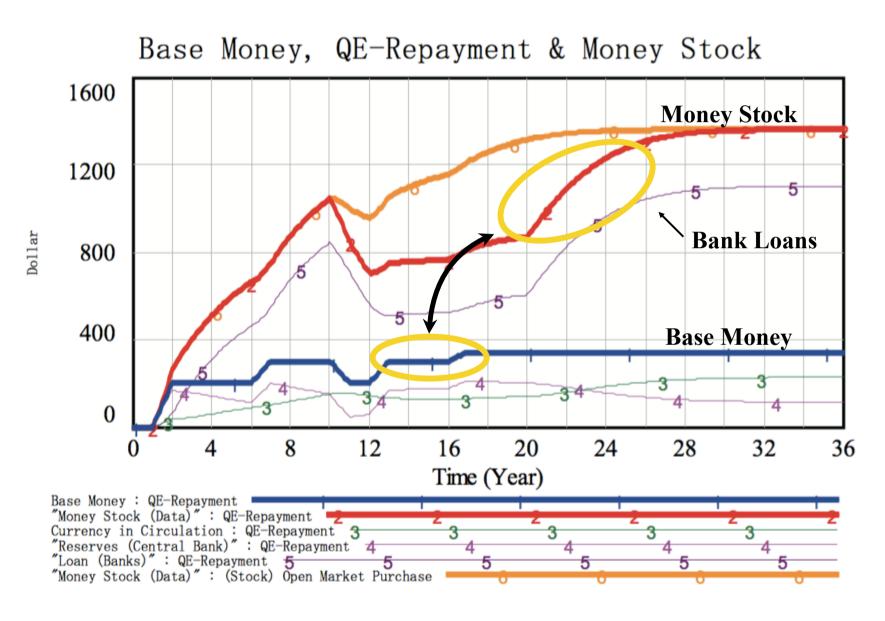
Irving Fisher. 100% Money. The City Printing Company, New Haven, third edition, 1945. First edition (1935) available through ThaiSunset Publications, 2011

Monetary Instability: The case of Japan

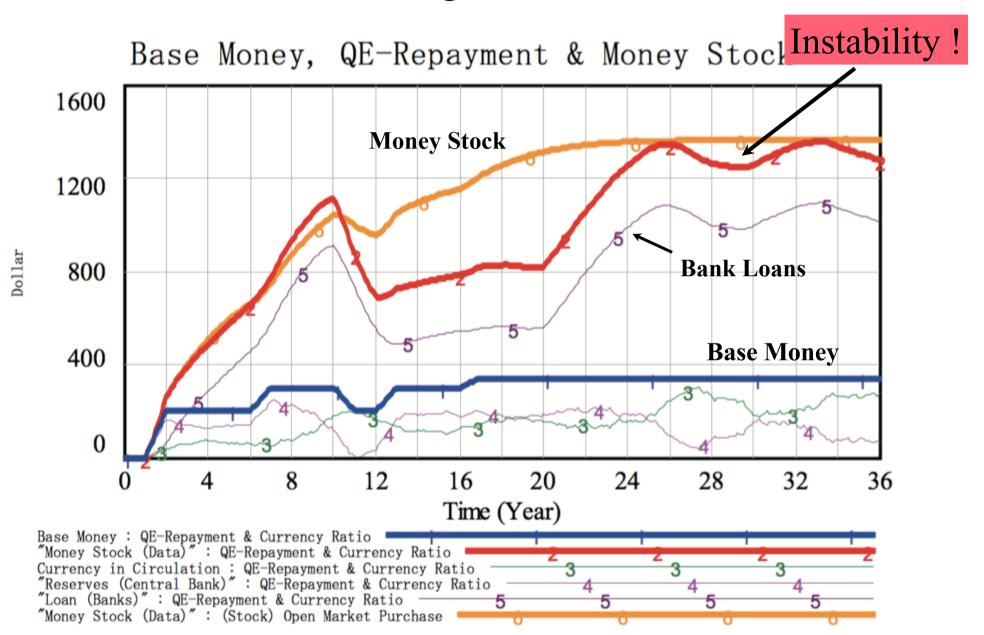
Bubbles-Bursts and QE Policies in Japan



Anticipated Behavior of Quantitative Easing Policy



Even if QE succeeds



3. The Alternative System Design

of Public Money

A PROGRAM FOR

MONETARY REFORM

A mimeograph circulated in July 1939

"A PROGRAM FOR MONETARY REFORM" 6 principal authors



Paul H. Douglas (1892-1976)

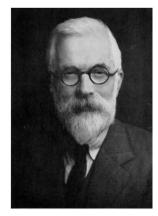


Frank D. Graham (1875-1965)



Willford I. King (1900-????)

Willford I. King



Irving Fisher (1867-1947)



Earl J. Hamilton (1899-1989)

A Monetary Reform: Chicago Plan → American Monetary (NEED) Act

A Debt Money System

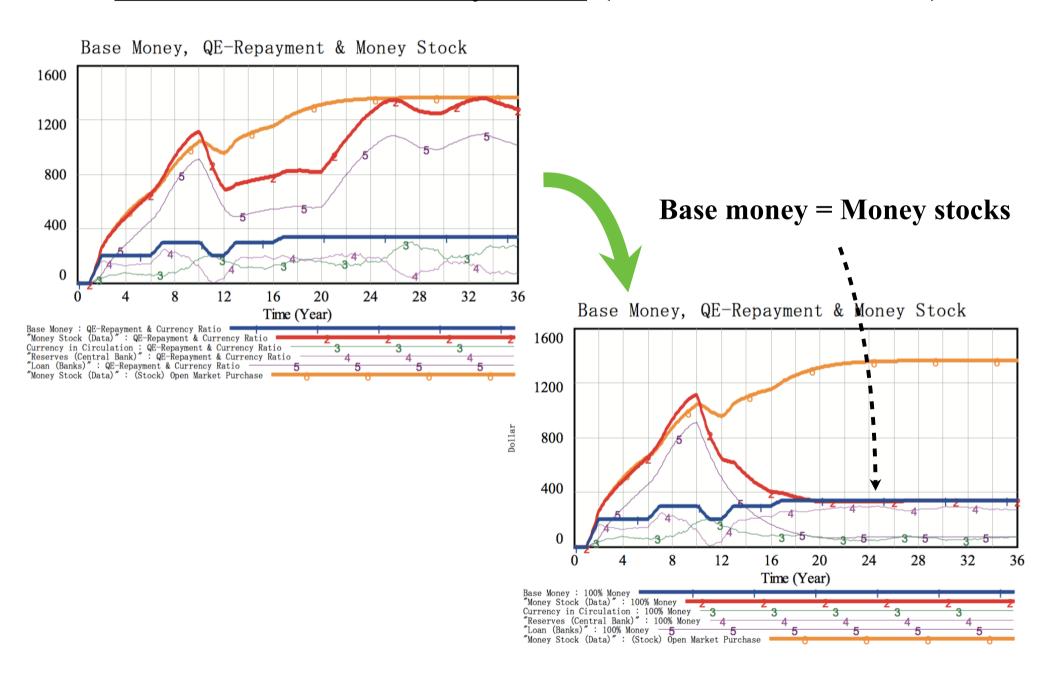
- Money out of Nothing -

A Public Money System
- American Monetary (NEED) Act -

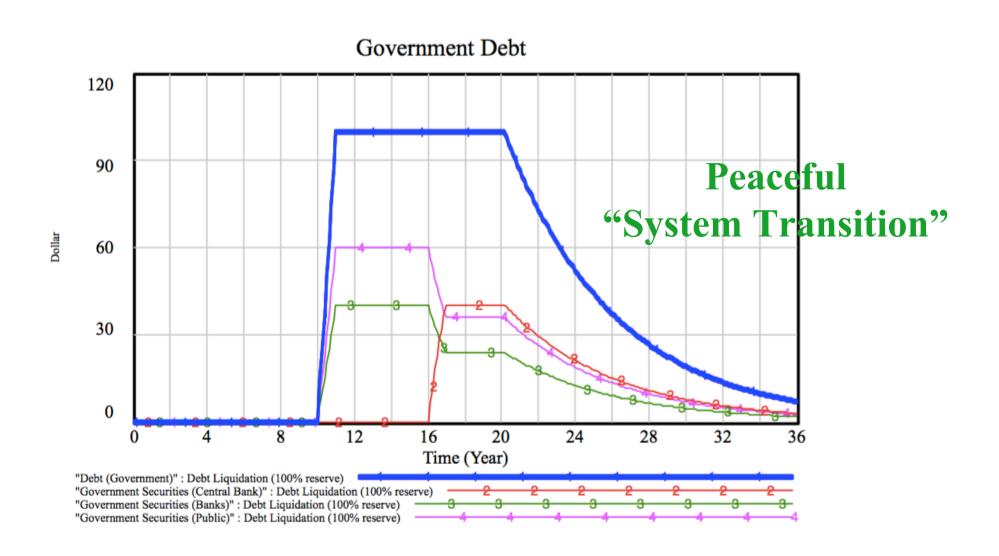
- 1. Privately-Owned Central Bank issues Money (Notes)
- 2. Credit Creation by Commercial Banks (A Fractional Reserve System)
- 3. Monetary Control by (and for) the International Bankers

- 1. Government Issues Money (Nationalization of the Central Bank)
- 2. 100% Reserve
 (Abolishment of the Credit Creation)
- 3. Money as Public Utility for the Economic Growth and Public Welfare

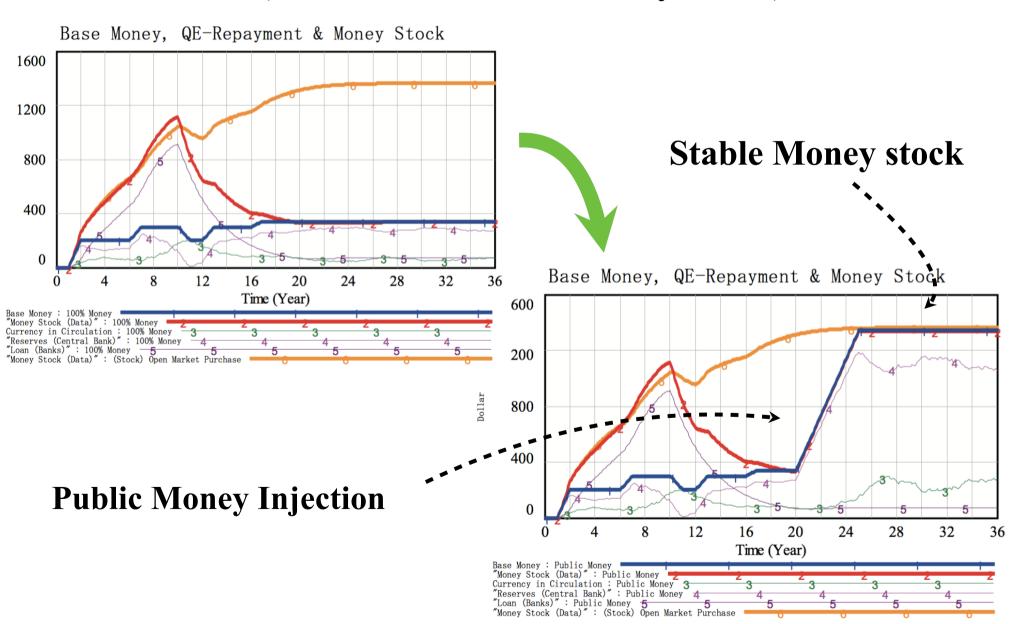
1. Attain stable money stock (100% reserve ratio)



2. Liquidation of Government Debt

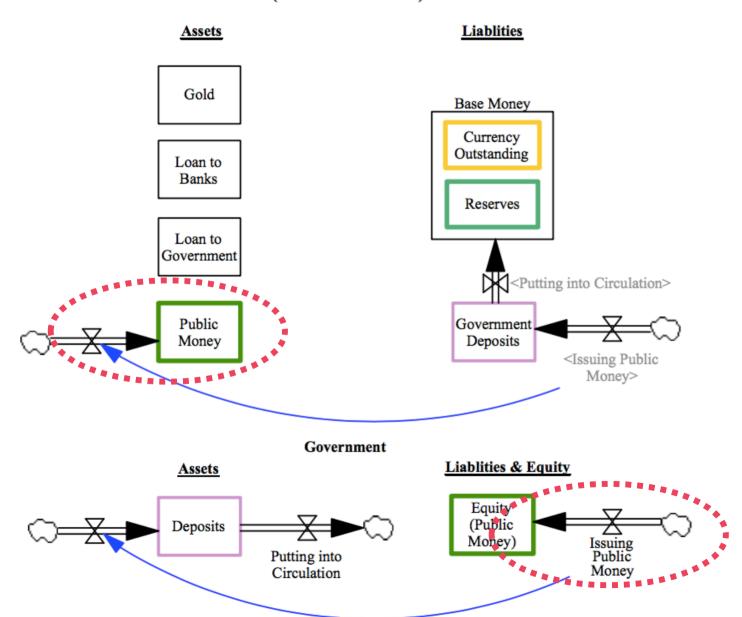


3. "Public Money Injection" (Direct control on money stock)



Public Money Creation

Public Money Administration (Former Central Bank)



Banks become

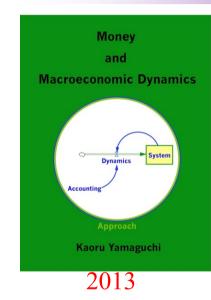
"Genuine Intermediaries of Money"

4. Japan's Public Money System

in Action

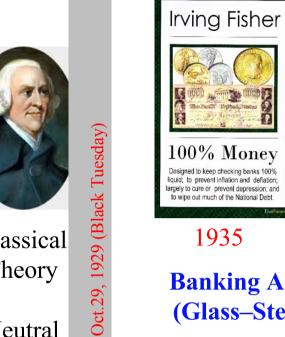
Public Money System

It is necessary to provide an alternative the zombie omics of liberalism mark (26, p. 240)



Debt

Crisis



American Monetary Act largely to cure or prevent depression; and

Neoclassical 1935 Theory

1999

Banking Act of 1933 (Glass-Steagall Act)

Market & Financial Liberals

Sept. 15, 2008 (Lehman Shock)

2nd Great Depression,

2008

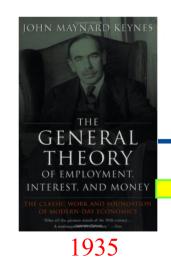
Globalization

Stagflation 1970s Disequilibrium Analysis



Neutral Money

Market Liberals



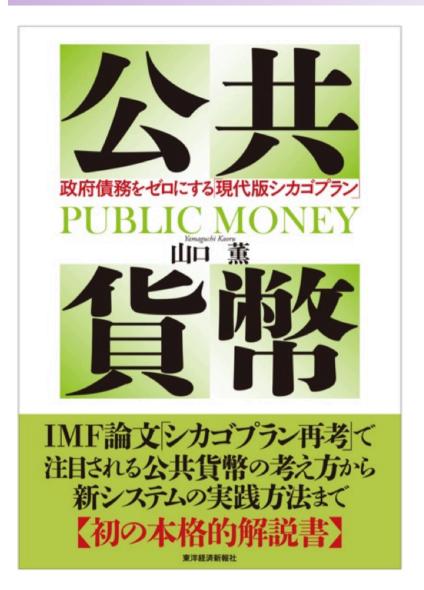
Debt

1929

Great Depression,

Money

System



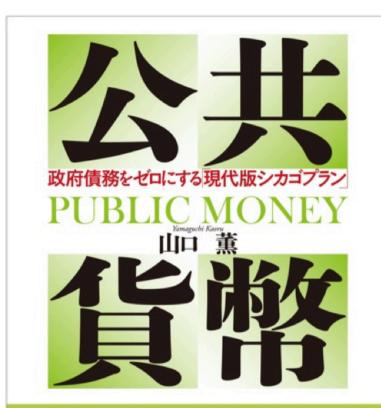
Published on <u>Sept. 10, 2015</u> by **Toyo Keizai**, Tokyo, 352 pp. Money and Macroeconomic Dynamics (488 pages), one of the most innovative macroeconomic books, was published in 2013.

PUBLIC MONEY is its simplified Japanese version (352 pages) to introduce the concept of the Monetary Reform to the Japanese readers. Public money economy is a new economic system in place of the finished Capitalism which was proved to have built-in system design failures. This new Japanese book focuses on the liquidation of national debts which Japanese economy as well as US and EU economies such as Greece are seriously facing now.

PUBLIC MONEY

12

13



IMF論文シカゴプラン再考で注目される公共貨幣の考え方から新システムの実践方法まで 初の本格的解説書》

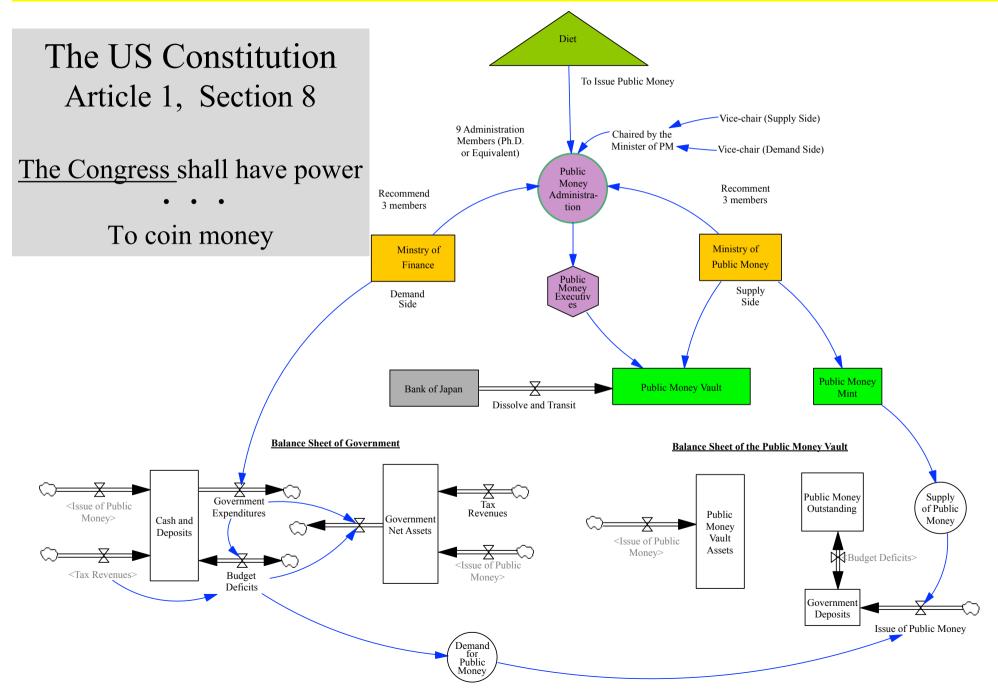
> Published on Sept. 10, 2015 by **Toyo Keizai**, Tokyo, 352 pp.

Part 1: Debt Money system What is economics? What is money? 3 Do we need the Bank of Japan? Why is money created out of nothing? 4 Why does money become means of control? 5 Why do national debts continue to increase? 6 7 Our debt money system is Debt-end! Part II: Public Money System 8 What is the Chicago Plan? 9 Birth of the Public Money System We can liquidate national debts 10 11 Public money system creates happy futures to All **Part III: A Transition**

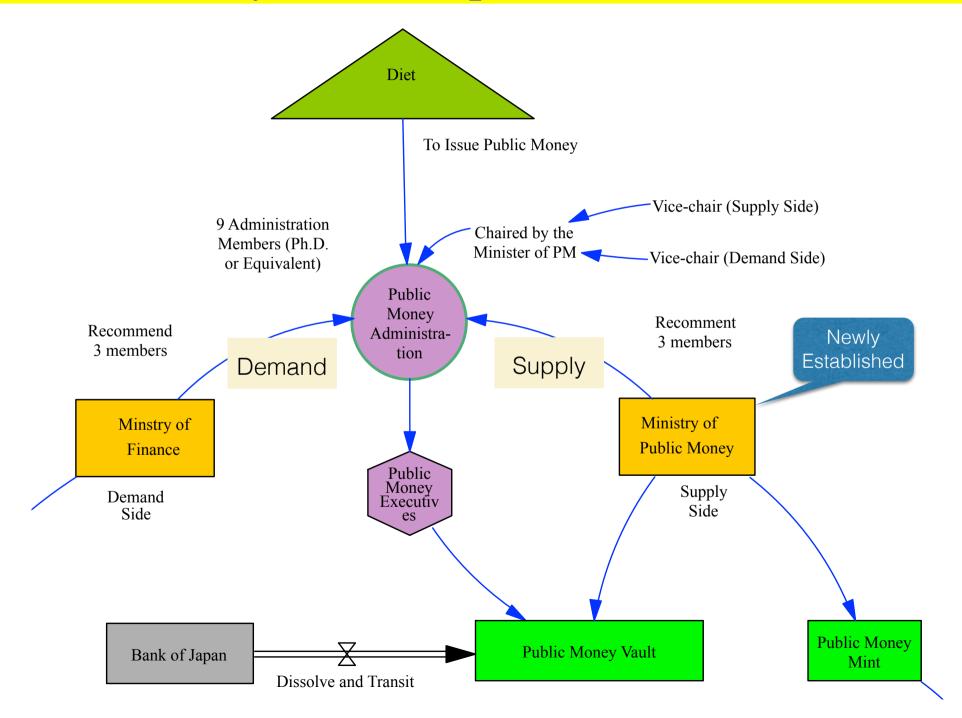
Modeling a transition to the Public Money System

The Public Money Act of Japan

Public Money Act of Japan (Ch.13)



Public Money Act of Japan (Getting Incorporated)



5. Peer-to-Peer Public Money

(Electronic Public Money)

System in Progress

Chicago Plan: Monetary Reform

Public Money System

Macroeconomic Model System Dynamics 2008) Accounting (August,





2015 (Public Money)



Blockchain Revolution

Bitcoin: A Peer-to-Peer Electronic Cash System by Satoshi Nakamoto, 2008; (started on 2009-01-03 18:15:05)

Banking Patchworks

Money System Debt

- Peer-to-Peer Network
- Public Transaction Ledger
- Decentralized Verification (Blockchains)
- Highly Stable and Secure

1929 2008

















8-9 September 2016, London, United Kingdom

Digital Currency Revolution

- BoE explores implications of
- blockchain and central bank-issued
- digital currency
- Friday, September 9, 2016 4:15 AM UTC

Chicago Plan: Monetary Reform

Accounting
System Dynamics
Macroeconomic Model
(August, 2008)





2015 (Public Money)

Public Money System

The Ultimate Design of Monetary Reform (Electronic Public Money)

P2P Public Money (EPM) System



2020

Blockchain Revolution

(The End of Banks as Intermediaries)

Bitcoin: A Peer-to-Peer Electronic Cash System by Satoshi Nakamoto, 2008; (started on 2009-01-03 18:15:05)

Banking Patchworks

Debt Money System



- Public Transaction Ledger
- Decentralized Verification (Blockchains)
- Highly Stable and Secure

1929 2008