General Framework of Payments and Securities Settlement Systems

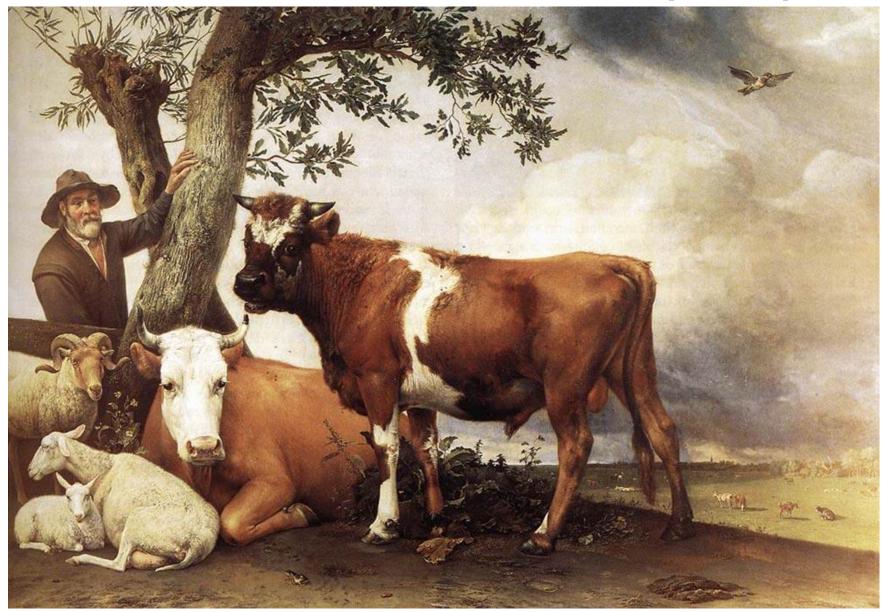


De Nederlandsche Bank

Michiel van Doeveren

Macedonian Financial Sector Conference on Payments and Securities Settlement Systems Ohrid, 4 June 2012

The bull of Paulus Potter (1647)



Agenda

- Definitions & Objectives
- Roles of Central Banks in Payment Systems
- Financial Crisis
- Global Dependencies
- Financial Integration
- Discussion Points





Role of Central Banks



IT'S ALL ABOUT

FINANCIAL STABILITY and CONFIDENCE



Mission of the Central Bank

De Nederlandsche Bank:



- Contributing to the monetary policy of the Eurosystem
- Supervising the financial soundness and integrity of financial institutions
- Promoting the smooth functioning of the payment system

Payment Systems Policy

Main Goal

- to promote reliable, efficient and secure payment and securities settlement systems
- Other Goals: central bank specific
 - Crime prevention
 - Effective competition
 - Consumer protection
 - Reachability & Accessibility
 - Research and statistics (knowledge centre)



Organisation of DNB

- Executive Board
- Divisions
- Departments
- 1650 people
- Cash and Payments Systems Division
- Payments Systems Policy Department
- Payments and Securities Department
- Oversight Department
- Cash Policy Department



How to Achieve Policy Objectives?

OPERATIONS

OVERSIGHT

CATALYST





Operational role of a Central Bank

- Issuance and distribution of cash
- Operator large value payment system
- Settlement services retail transactions
- Cash settlement securities transactions
- Clearing services retail payments
- Operator securities settlement system
- Other securities related services
- Public sector payments



Oversight

 'A central bank activity focused on the safety and efficiency of payment and securities settlement systems, in particular to reduce systemic risk'.







Catalyst

- There is a case for intervention, but not necessarily via regulation or operations
- 'Guide' the market, by promoting initiatives and cooperation
- Between stakeholders
- Between other public authorities
 - Government
 - Competition authorities



Importance of Payment Systems

Payment systems ...

- ... facilitate the exchange of goods and services
- ... are necessary to conduct monetary policy

... can be transmission channels of 'disturbances' (financial crises)



Payment System (1)

■ Funds Transfer System: a formal arrangement based on a private contract or legislation, with multiple membership, common rules and standardised arrangements, for the transmission, clearing, netting and/or settlement of monetary obligations arising between its members.

Source: ECB





Payment System (2)

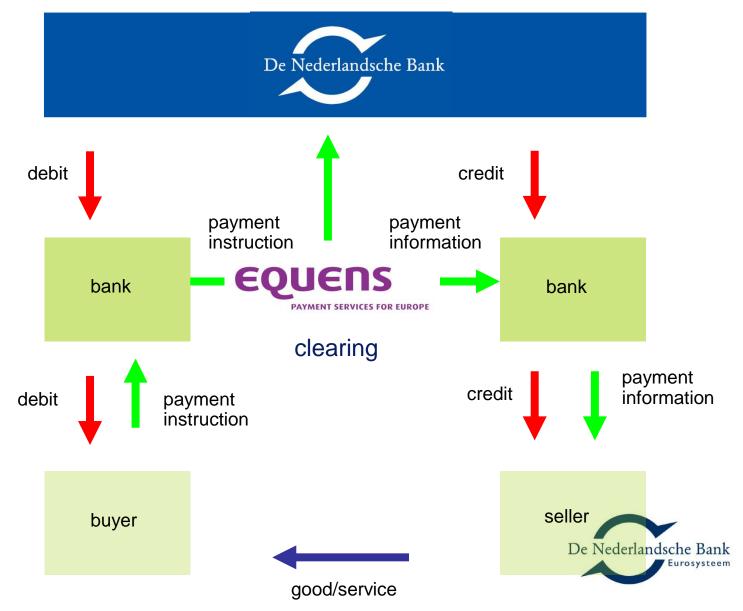
 The set of instruments, banking procedures and interbank funds transfer systems which facilitate the circulation of money in a country or currency area.

Source: ECB





Payment Chain



Retail versus wholesale payments

Low value

 ← Large value

High volume

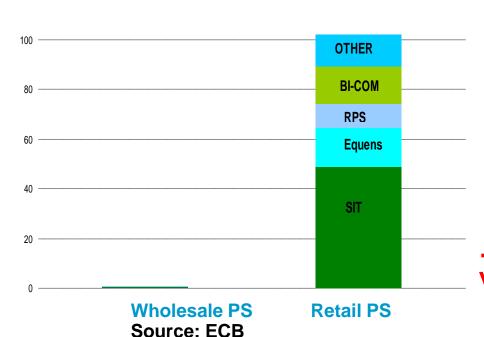
← Low volume

businesses

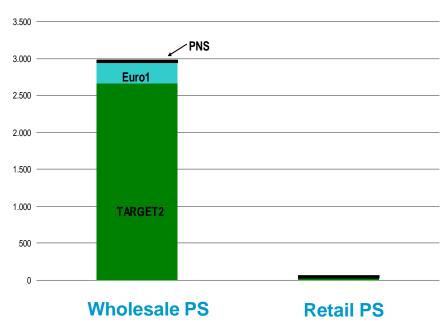
Payments Pyramid - Eurosystem

Wholesale: 0,6% in terms of number.....

Average daily number of transactions (millions)



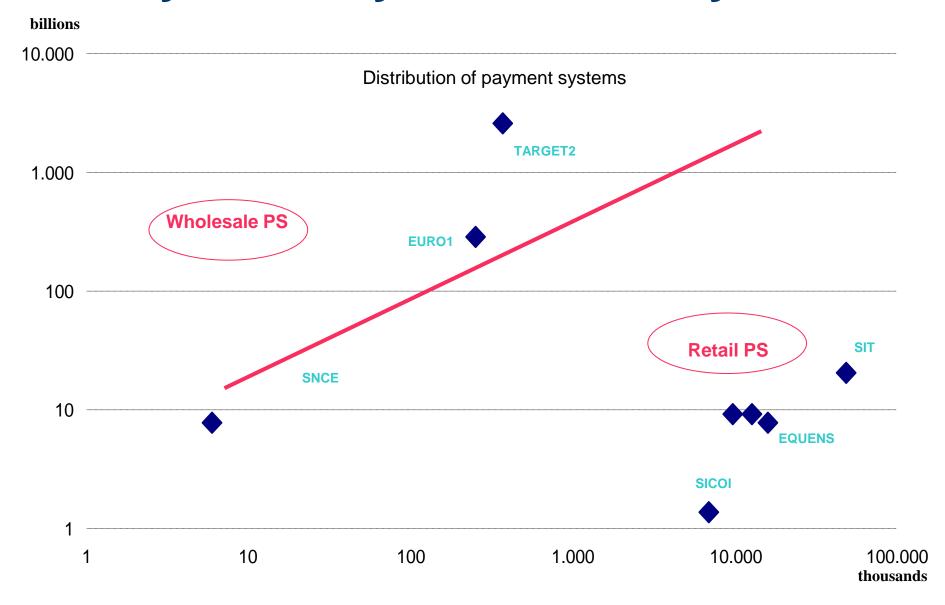
Average daily value of transactions (EUR billions)



De Nederlandsche Bank

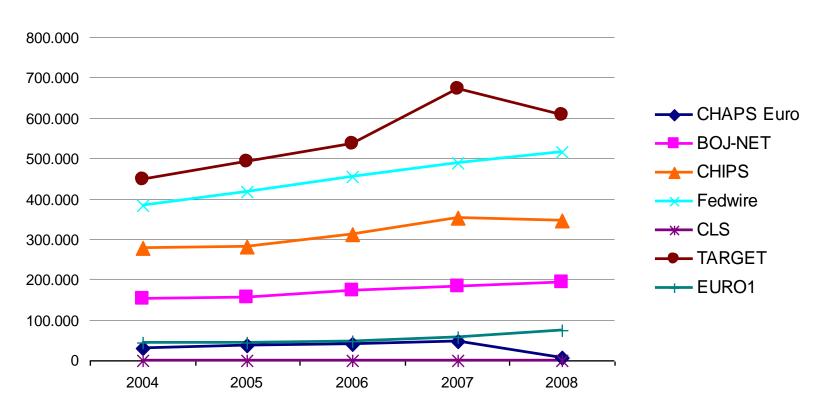
....but 97,7% in terms of value

Payments Pyramid - Eurosystem



Large Value Payment Systems

International comparison- Value of transactions (EUR Billions)





Wholesale Payments

- DNS: Deferred Net Settlement (netting)
 - Multilateral, usually at the end of the day
- RTGS: Real Time Gross Settlement
 - continuous (real-time) settlement of funds transfers individually on an order-by-order basis
- Hybrid Systems



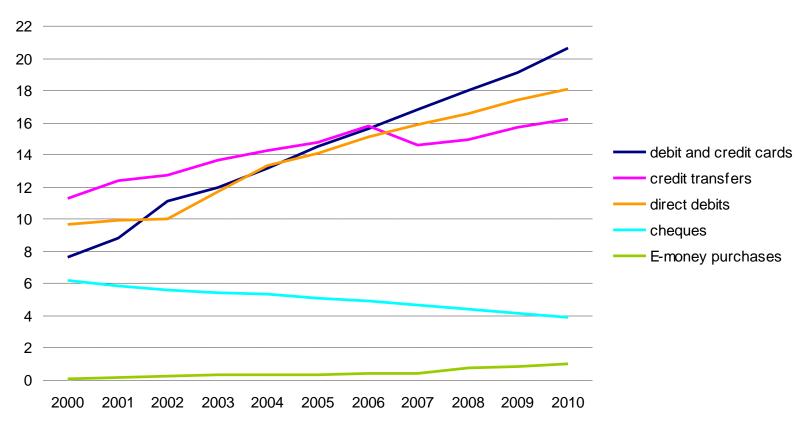
Wholesale Payments

TRENDS/ISSUES

- Liquidity management
 - Real time settlement → higher demands on liquidity management
 - TARGET2: range of tools to control, monitor and manage liquidity
- Operational resilience and business continuity management as a result of global interdependencies.

Trends in Retail Payments in the EU

Payment transactions in the euro area (billions)



Source: ECB



Issues in Retail Payments

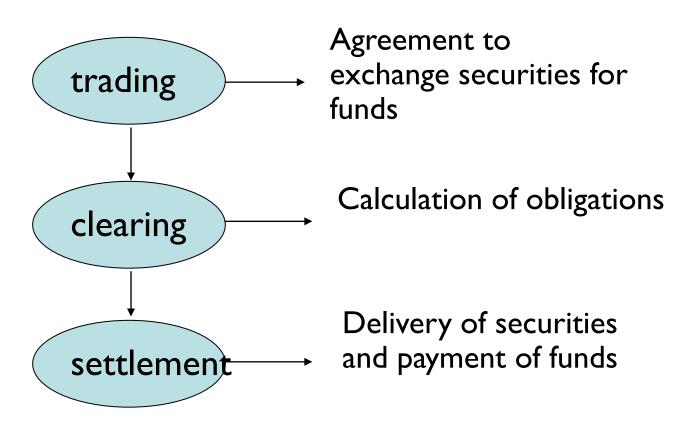
- Efficiency
- Security



- More Electronification and less paper based:
 Internet banking and card payments
- Innovations: products and markets
- Political influence, legislation and standards
- Business models –interchange fees



Securities Chain





Securities Settlement Systems

A system which allows the transfer of securities, either free of payment (FOP) or against payment (delivery versus payment)

Source: ECB **LVPS** BANKA BANK B **CSD** De Nederlandsche Bank

Securities Settlement Systems

Trends/Issues

- Settlement risks (DVP)
- Securities Legislation: MiFID etc.
- Multiple platforms
- Cross border links (global interdependencies)
- Settlement of derivatives: role for CCPs



The Economist

DCTOOCS ATH- 10TH 2006

www.aconomist.co

Our guide to America's election

Europe's Schadenfreude

Music on your phone

Reassessing China

Somalia's pirates

World on the edge



Financial Crisis

Key words: EXCESSIVE OPTIMISM EXCESSIVE RISK APPETITE

ASPECTS

- Relative Stability (the great moderation, Bernanke)
- Search for Yield
- Easing Criteria for Credit (subprime, alt-a etc)
- Innovations (originate-to-distribute model, monoliners etc)



FINANCIAL CRISIS



15 september 2008

Lehman Brothers †

Trigger of severe loss of confidence, wave of contagion



FINANCIAL CRISIS

- Crisis Management
 - Provision Liquidity
 - Nationalizations
 - Savings Guarantee
 - Capital Injections & Debt Guarantees
 - Interest rates ↓

In order to UNDERPIN CONFIDENCE

PSSS functioned quite well



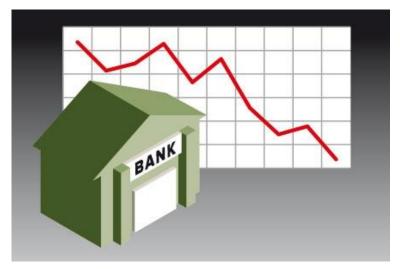


FINANCIAL CRISIS

What's Next?

- Credit crunch
- Stock Markets
- Banking Sector
- Insurance sector
- House prices
- Pension funds

- World recession
- Protection
- Greece/country risks
- Euro?





Recommendations of Financial Stability Forum

- Improve Risk Management
- Enlarge Transparency
- Further Cooperation between Public Authorities
- Reform supervision
- Improve Crisis Management



Payments and Securities Infrastructure

WEB OF GLOBAL INTERDEPENDENCIES (LVPSs, CCPs, CSDs, Banks)

WITH TIGHT DEADLINES (RTGS, DVP, PVP)

Key words

Technological developments Globalization

Consolidation in financial sector

Source: BIS, The Interdependencies of payment and settlement systems 2008

CPSS REPORT ON INTERDEPENDENCIES

Figure 6: Profile of Institutions' Activities and Access Choices, 2006

(by country, with number of financial institutions* in parentheses)

Very Significant International Settlement Activity			CH (1) FR (1) JP (1) US (1)	DE (1) NL (1) UK (1) US (1)
Significant International Settlement Activity	CH (1) NL (1)	IT (1)	FR (2) JP (1)	UK (1)
Moderate International Settlement Activity	BE (2) IT (2) JP (1) NL (1) SG (1) US (3)	CA (5) DE (2) FR (1) SE (3) UK (1)	DE (1) JP (1) UK (1)	
	Primary reliance on correspondents and custodians beyond home currency; direct participation in CLS and one or more ICSDs	Mixed Approach: Significant self- clearing in multiple currency zones, but moderate levels of direct participation Domestic, plus one or two of: EUR, USD, or YEN Mixed Approach: Significant self- currency zones, Domestic, plus more than three CPSS currencies		Significant self- clearing in most CPSS currencies, and beyond

^{*} At the highest holding company level

Financial European integration – why?

• Euro Area: 17 National Markets

Limitations on Competition

Diseconomies of Scale



 Inefficiencies with reference to cross-border flows of money, securities and collateral



Financial European integration – how?

- 1. Institutional arrangements
- 2. Financial markets
- Infrastructures → payment and securities settlement systems

Infrastructures

- Essential for Financial Stability
- Central Banks Play Key Role



Discussion points



- What are recent changes in your country with respect to payments and securities settlement systems?
- How does your central bank fill in the different roles in PSSS?

