



EUROPEAN CENTRAL BANK

# Money Market Study 2003

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#### I.4 Developments in the short-term securities market

I.4.1 Turnover analysis

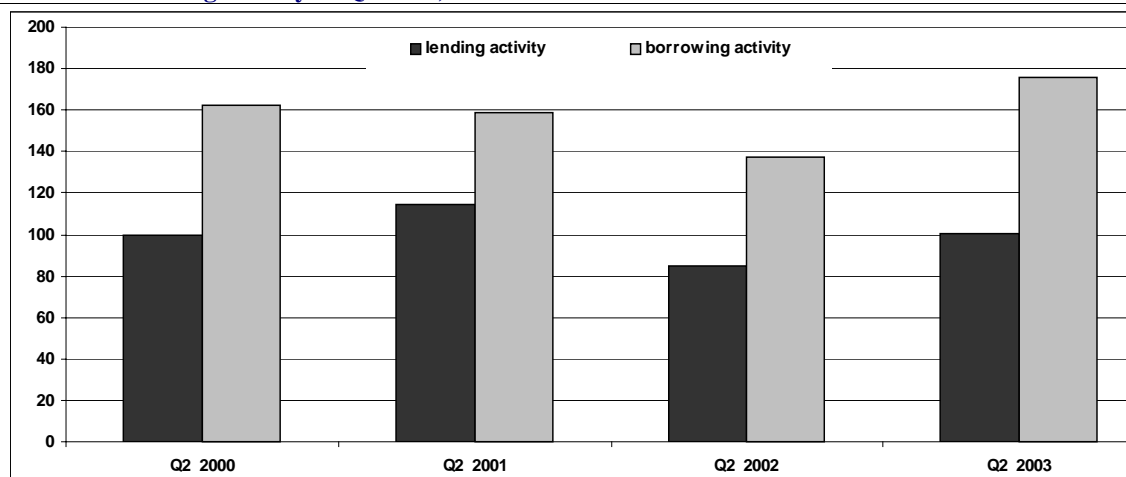
I.4.2 Market structure

## I. Main trends in the different market segments

### I.1 Developments in the unsecured market

#### I.1.1 Turnover analysis

**Chart 1**  
Unsecured cash borrowing and cash lending average daily turnover over the past four years. (Base 100 for cash lending activity in Q2 2000)

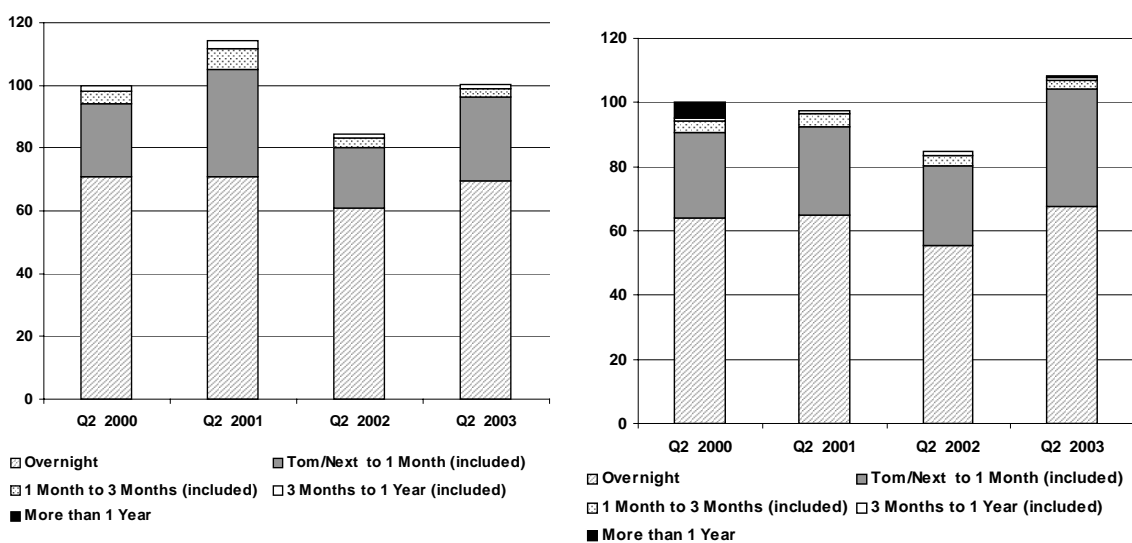


Panel of 93 banks

#### I.1.2 Maturity analysis

**Chart 2**  
Evolution and breakdown by maturity of unsecured lending and borrowing activities over the past four years in nominal terms

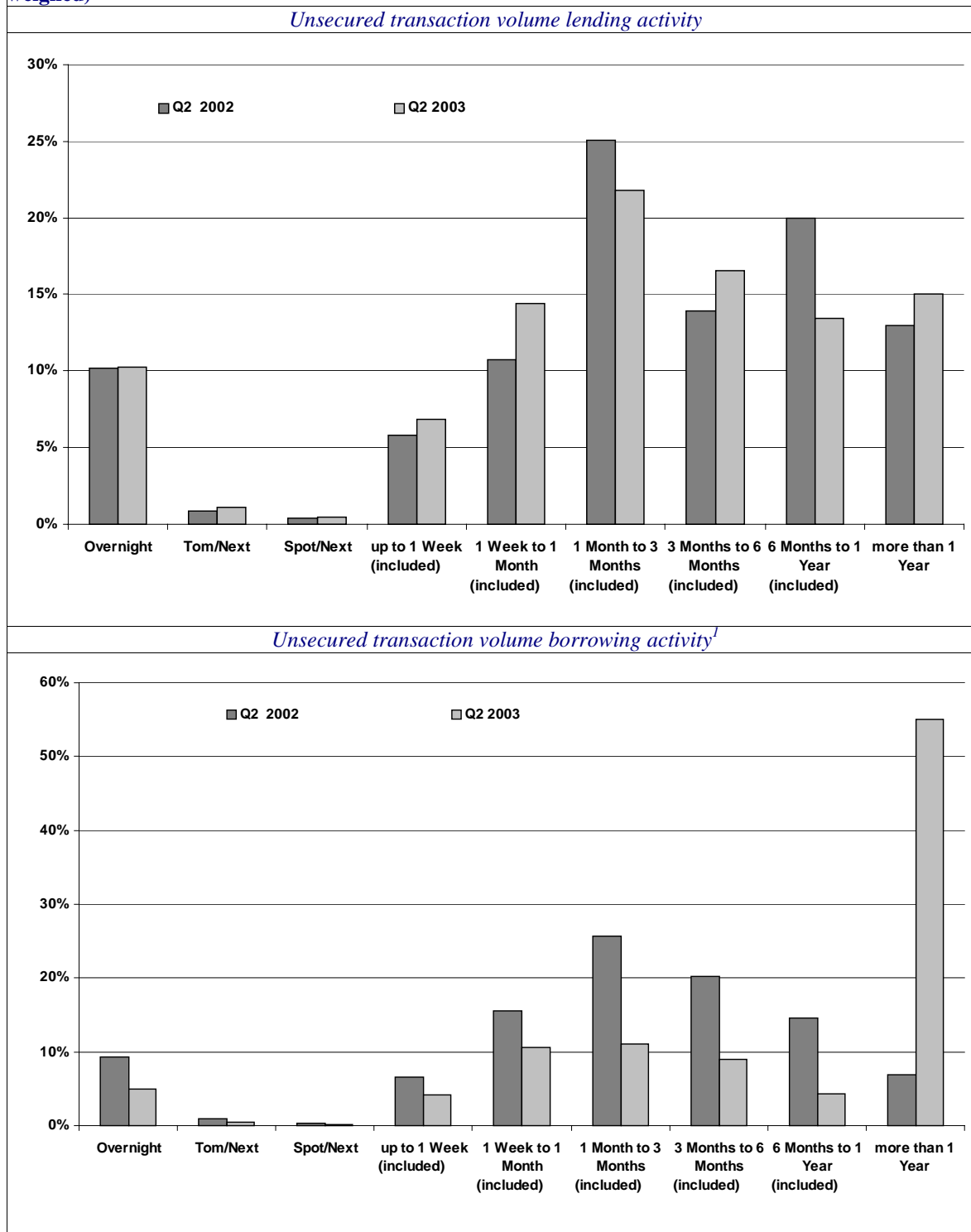
Unsecured lending average daily turnover (Base 100 for cash lending activity in Q2 2000)      Unsecured borrowing average daily turnover (Base 100 for cash borrowing activity in Q2 2000)



Panel of 93 banks

**Chart 3**

**Breakdown by maturity (2002 and 2003), for unsecured lending and borrowing activities (maturity weighed)**



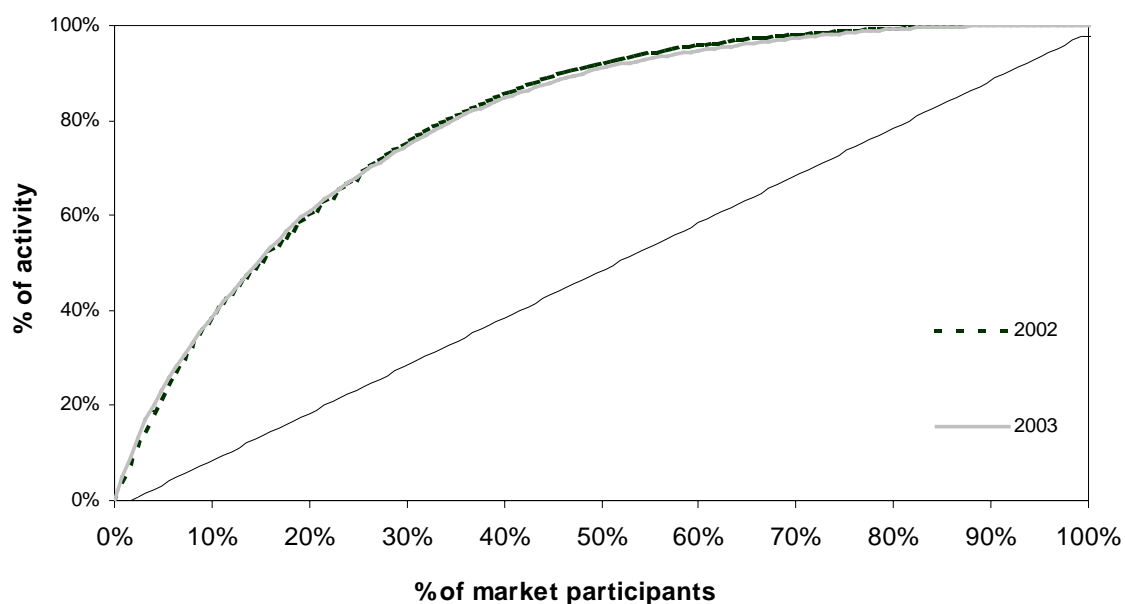
*Panel of 119 banks*

<sup>1</sup> The evolution of the "more than 1 year segment" for the "unsecured volume borrowing" activity" has been distorted by some transactions with very long maturity, while the overall volume of this segment remained very small.

### I.1.3 Market Structure

**Chart 4**

Lorenz curves – Total unsecured money market activity for 2002 and 2003

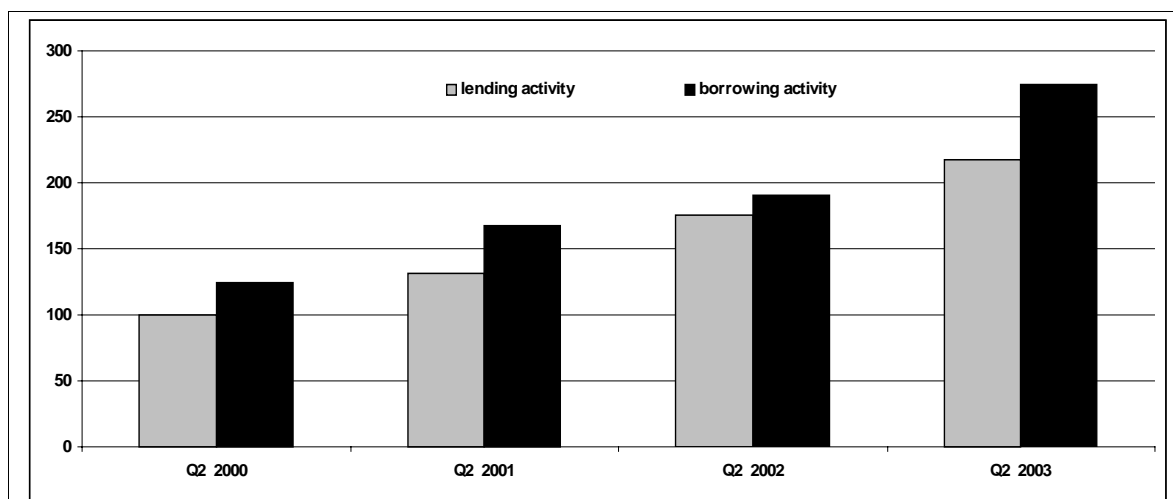


## I.2 Developments in the secured market

### I.2.1 Turnover analysis

**Chart 5**

Secured cash lending and cash borrowing average daily turnover over the past four years.  
(Base 100 for cash lending activity in Q2 2000)



*Panel of 72 banks*

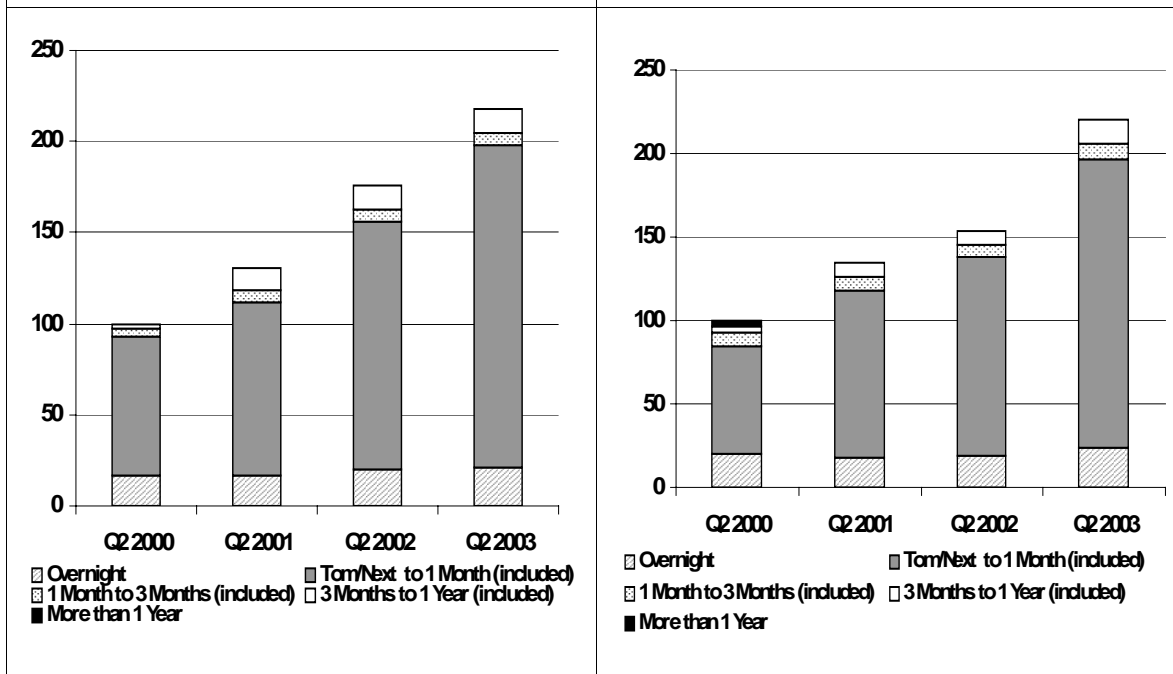
### I.2.2 Maturity analysis

**Chart 6**

**Evolution and breakdown by maturity for secured lending and borrowing activities over the past four years in nominal terms**

*Secured lending average daily turnover (Base 100 for cash lending activity in Q2 2000)*

*Secured borrowing average daily turnover (Base 100 for cash borrowing activity in Q2 2000)*

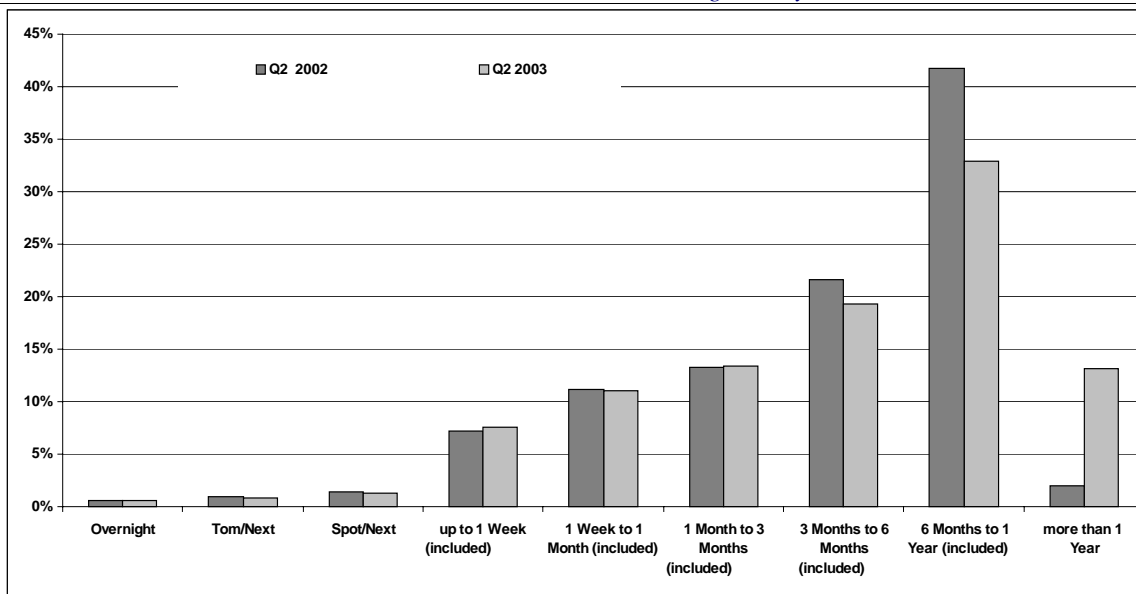


*Panel of 72 banks*

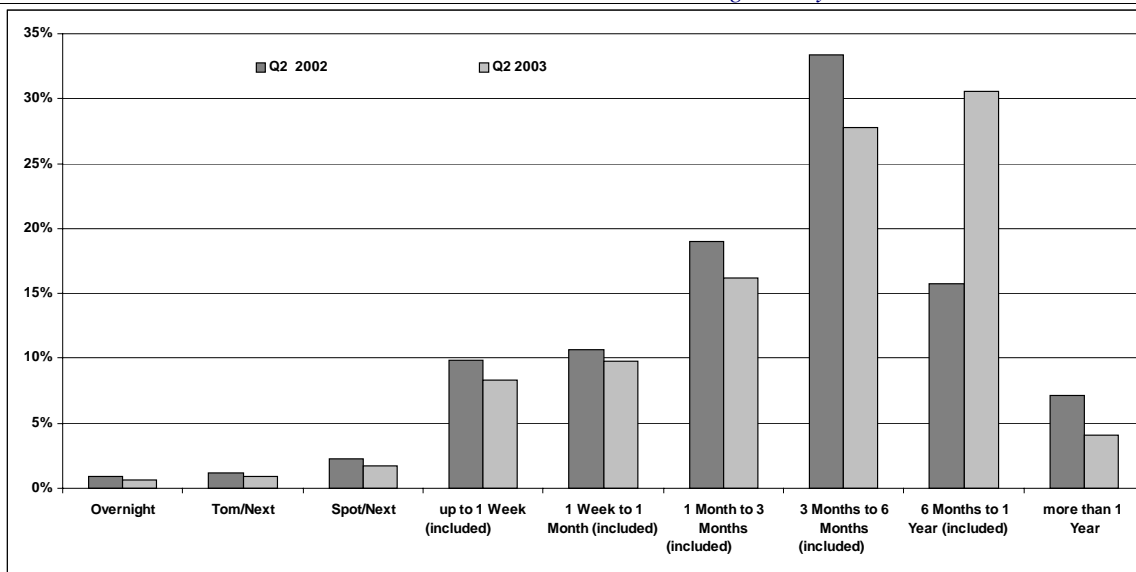
**Chart 7**

**Breakdown by maturity (2002 and 2003), for secured lending and borrowing activities (maturity weighted)**

*Secured transaction volume lending activity<sup>2</sup>*



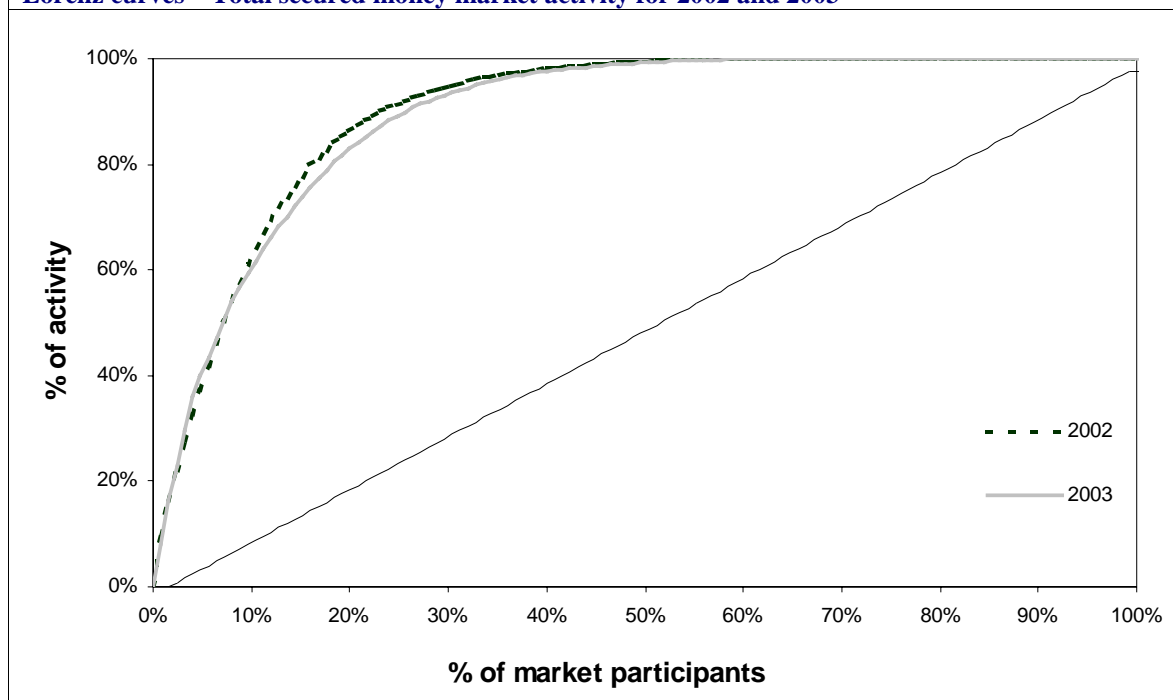
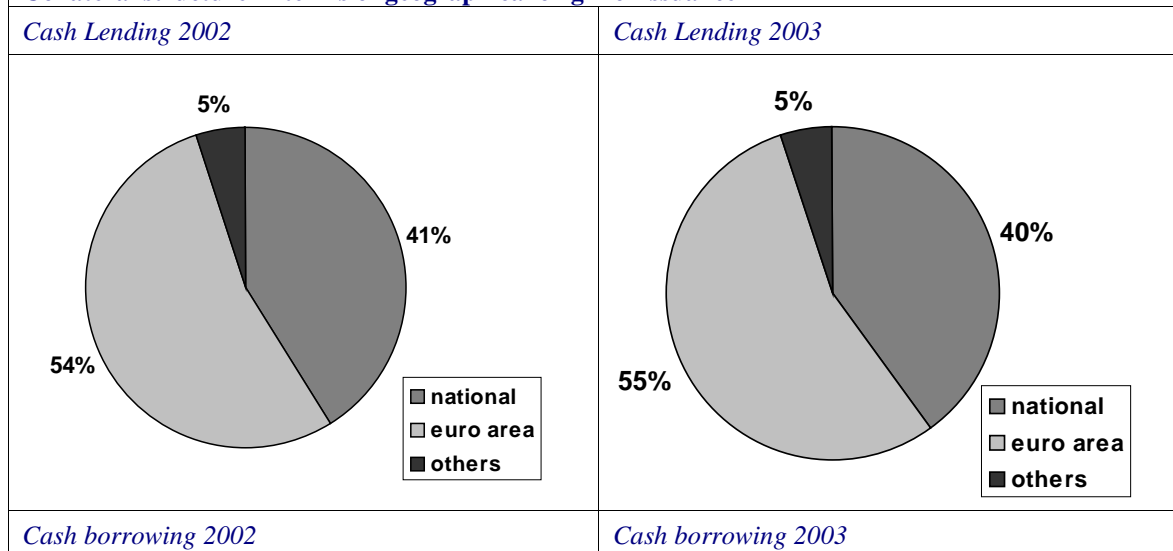
*Secured transaction volume borrowing activity*

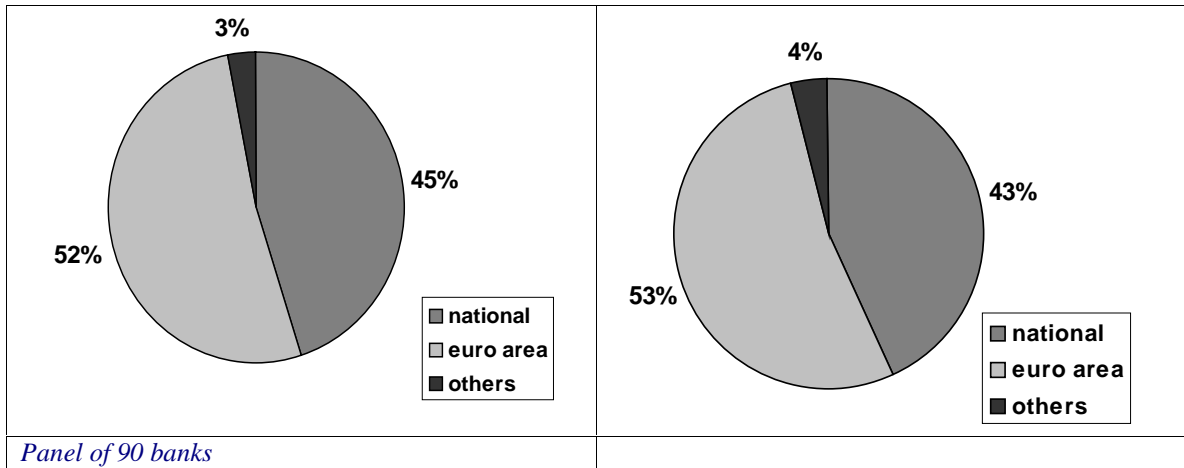


*Panel of 90 banks*

<sup>2</sup> The evolution of the "more than 1 year segment" for the "secured volume lending activity" has been distorted by some transactions with very long maturity, while the overall volume of this segment remained very small.

### I.2.3 Market structure

**Chart 8**
**Lorenz curves – Total secured money market activity for 2002 and 2003**

**Chart 9**
**Collateral structure in terms of geographical origin of issuance**




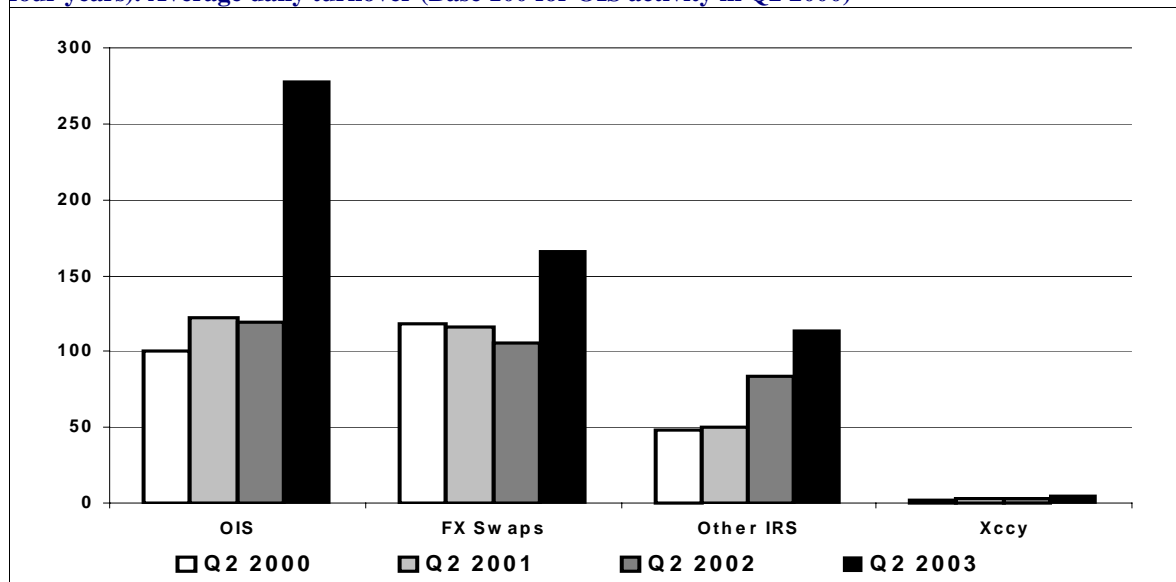


## I.3 Developments in the OTC derivatives markets

### I.3.1 Turnover analysis

**Chart 10**

Swap markets (based on the volumes reported by a sample of banks that reported data over the past four years). Average daily turnover (Base 100 for OIS activity in Q2 2000)

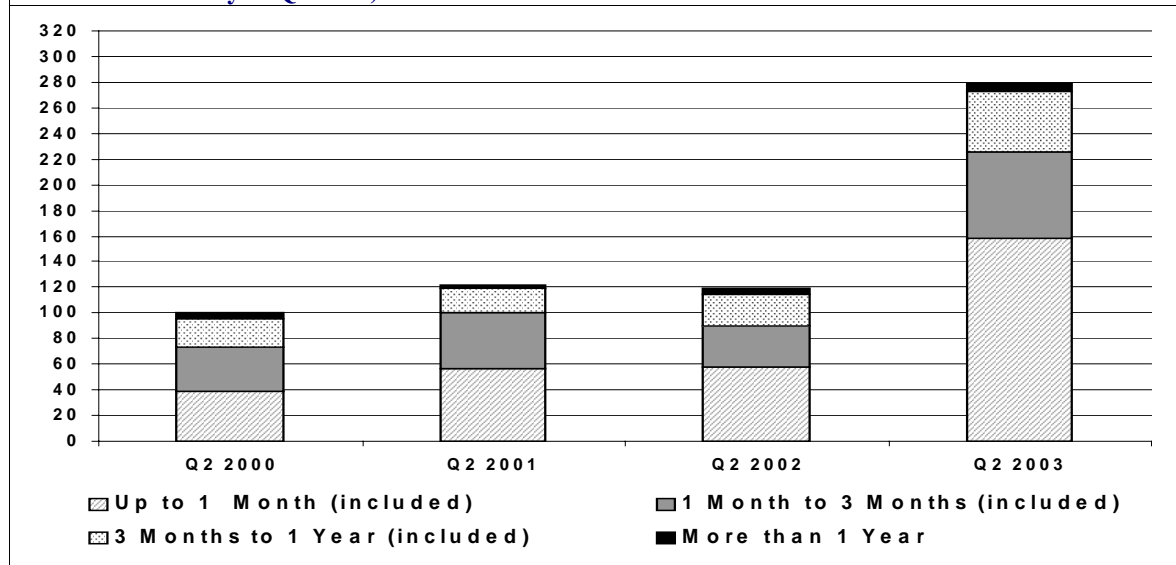


### I.3.2 Maturity analysis

#### I.3.2.1 The overnight interest rate swap market (EONIA swap market)

**Chart 11**

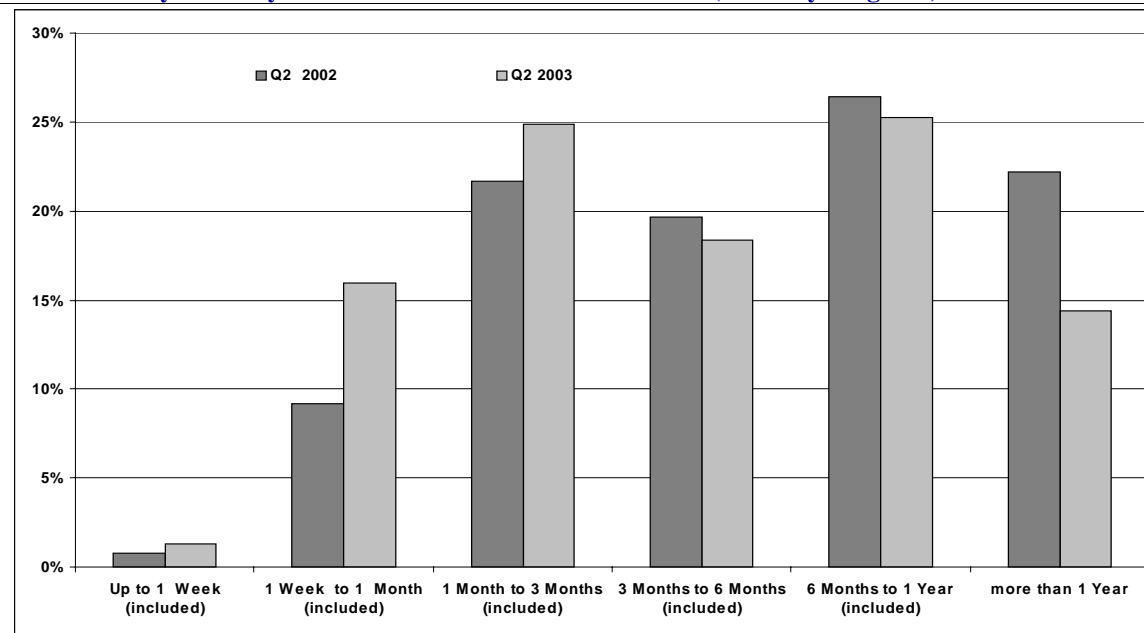
Evolution and breakdown by maturity of the OIS market over the past four years (in nominal terms; Base 100 for activity in Q2 2000).



*Panel of 61 banks*

**Chart 12**

**Breakdown by maturity for 2002 and 2003 of the OIS market (maturity weighted).**

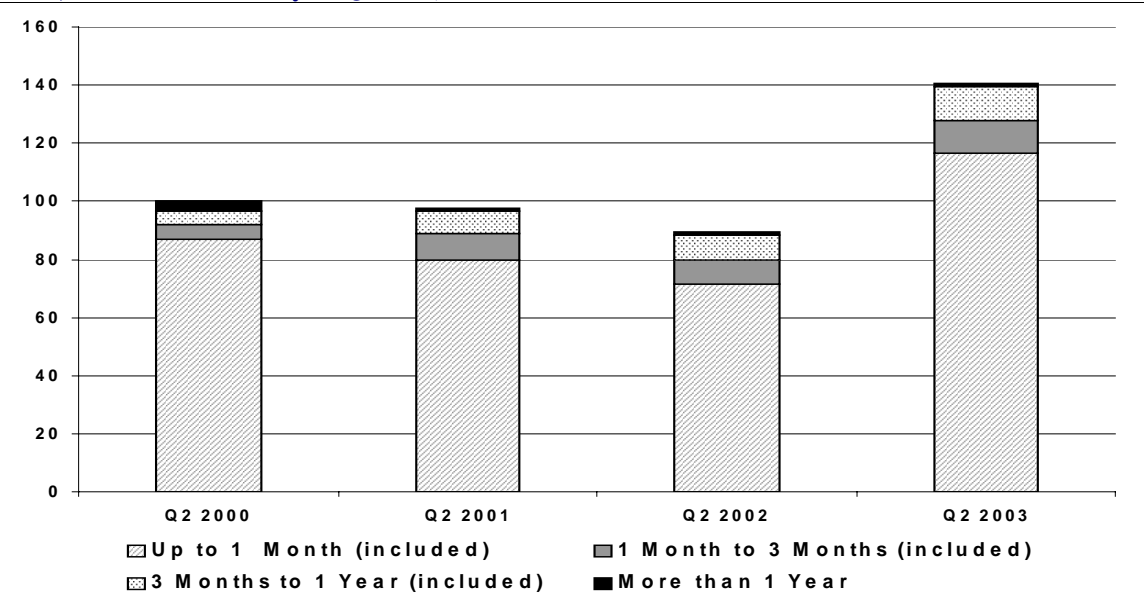


*Panel of 82 banks*

**1.3.2.2 FX swaps**

**Chart 13**

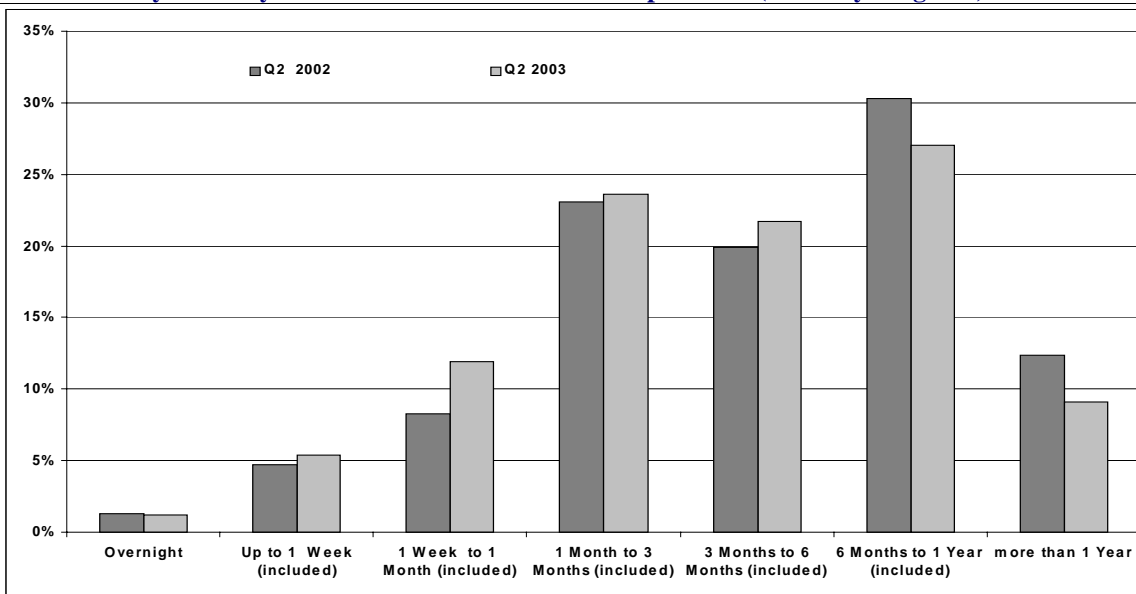
**Evolution and breakdown by maturity of the FX swap segment over the past four years (in nominal terms; Base 100 for activity in Q2 2000).**



*Panel of 76 banks*

**Chart 14**

**Breakdown by maturity for 2002 and 2003 of the FX swap market (maturity weighted).**

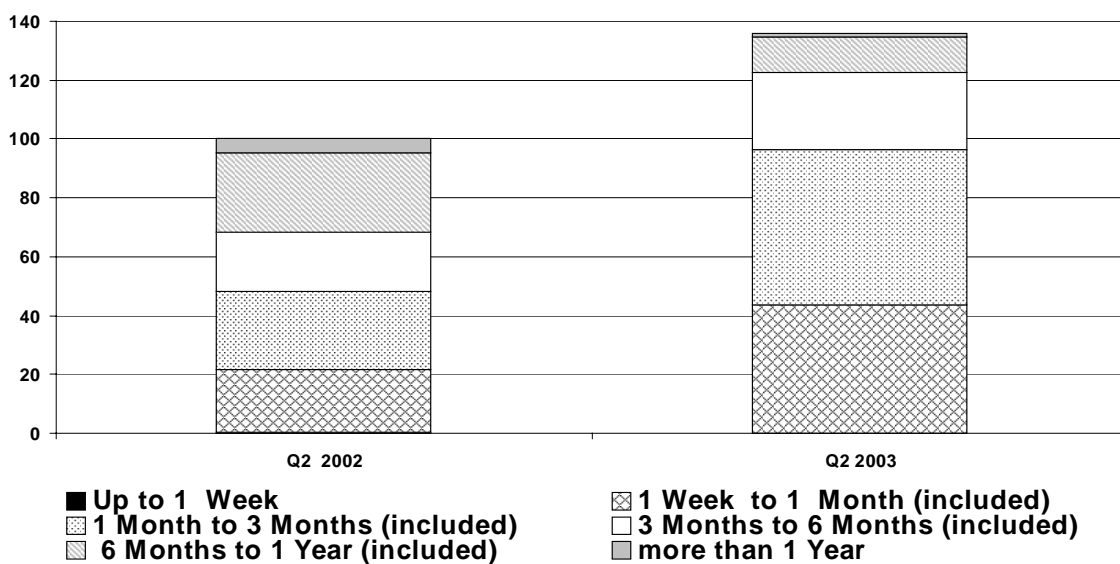


*Panel of 100 banks*

**I.3.2.3 FRAs**

**Chart 15**

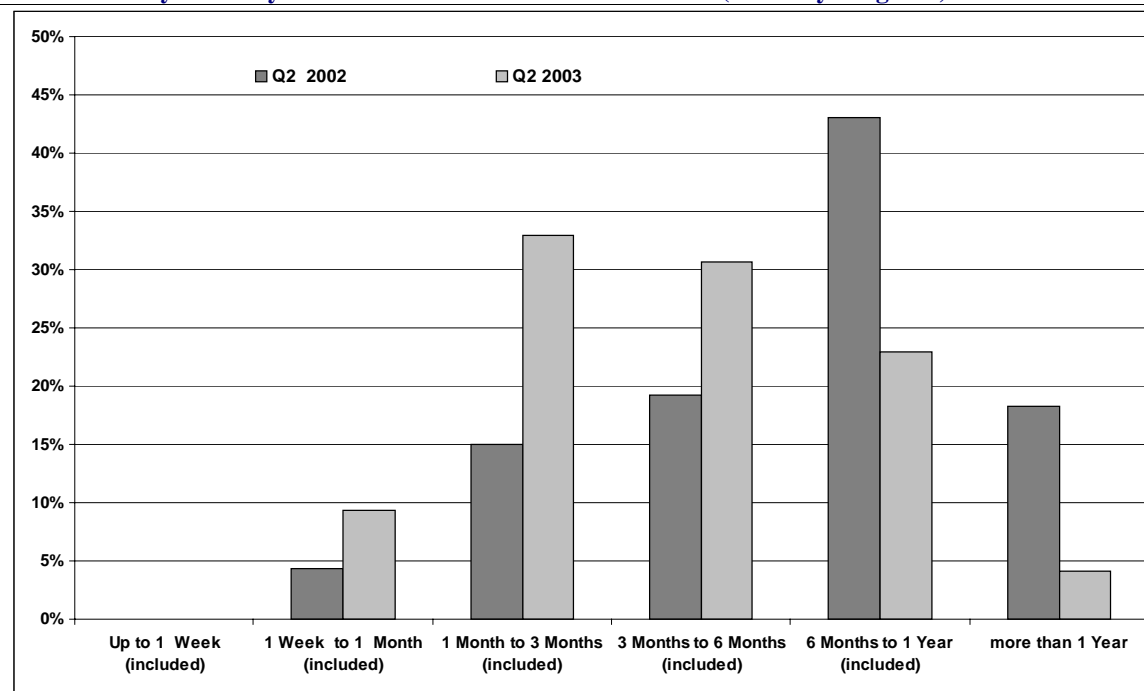
**Evolution and breakdown by maturity of the FRA market segment over the past 2 years (in nominal terms; Base 100 for activity in Q2 2002).**



*Panel of 55 banks*

**Chart 16**

**Breakdown by maturity for 2002 and 2003 of the FRA market (maturity weighted).**

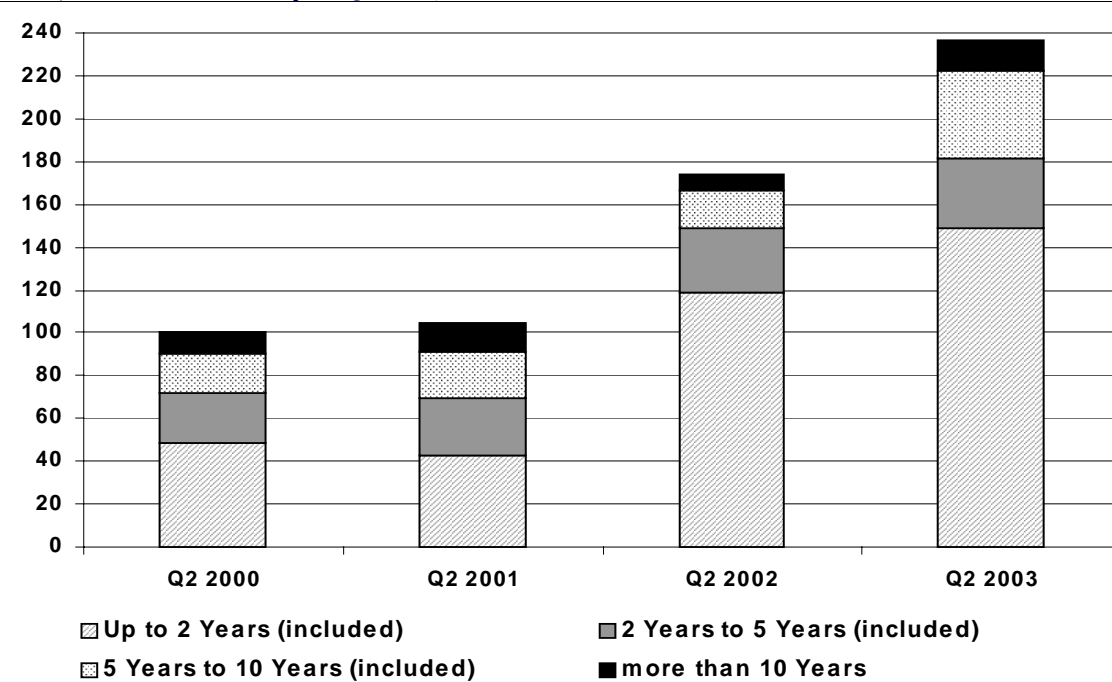


*Panel of 65 banks*

**I.3.2.4 IRS**

**Chart 17**

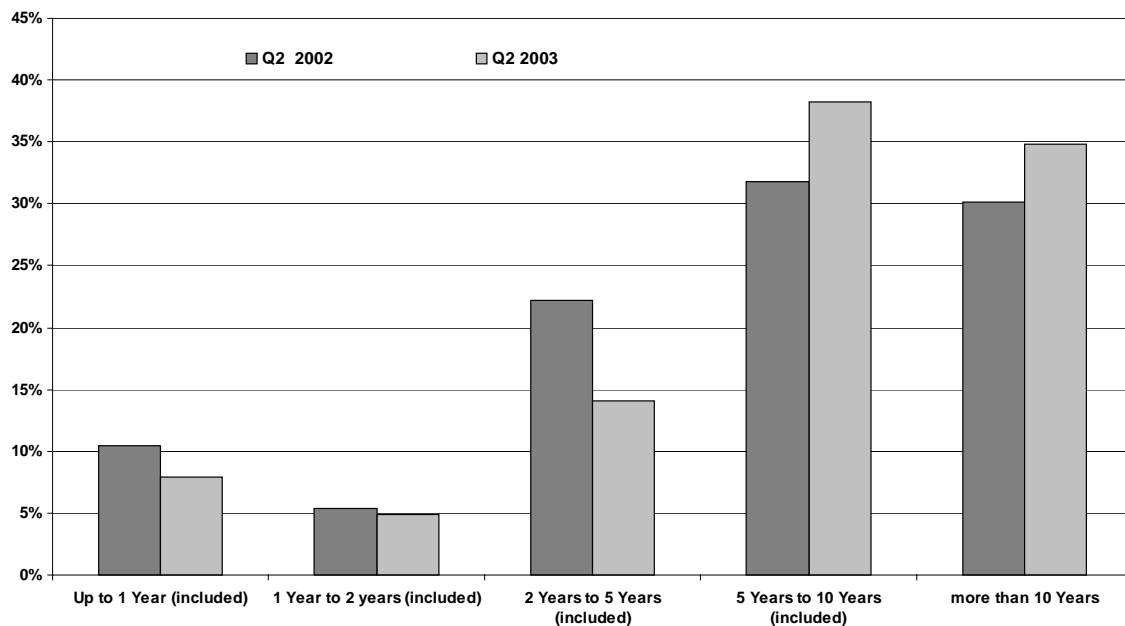
**Evolution and breakdown by maturity of the IRS segment over the past four years (in nominal terms; Base 100 for activity in Q2 2000).**



*Panel of 77 banks*

**Chart 18**

**Breakdown by maturity for 2002 and 2003 of the IRS segment (maturity weighted).**

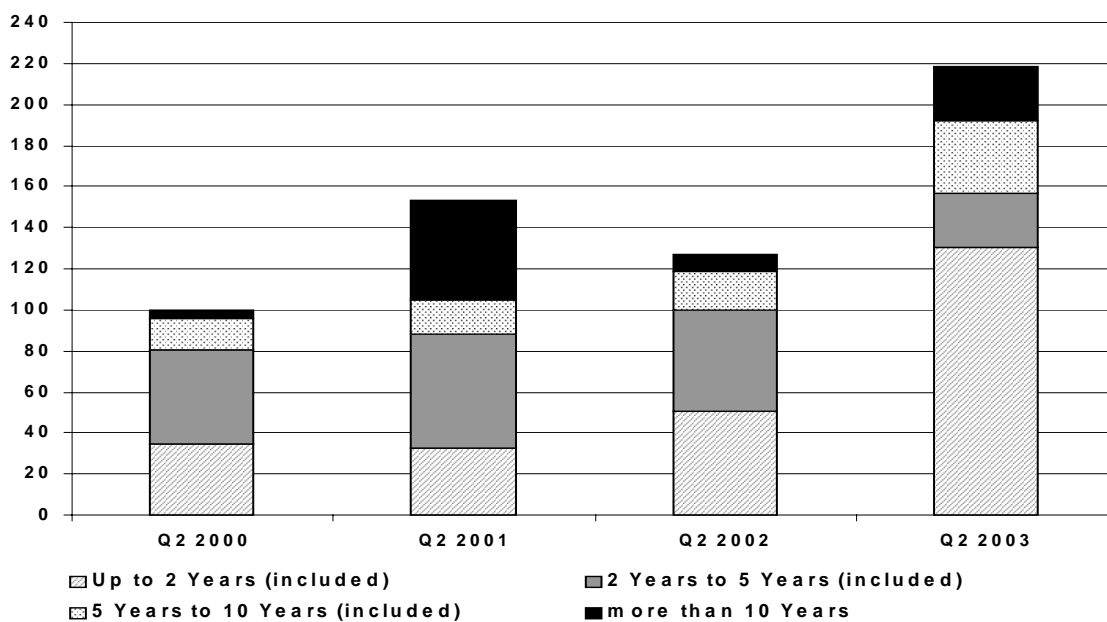


*Panel of 97 banks*

**1.3.2.5 Cross-currency swaps**

**Chart 19**

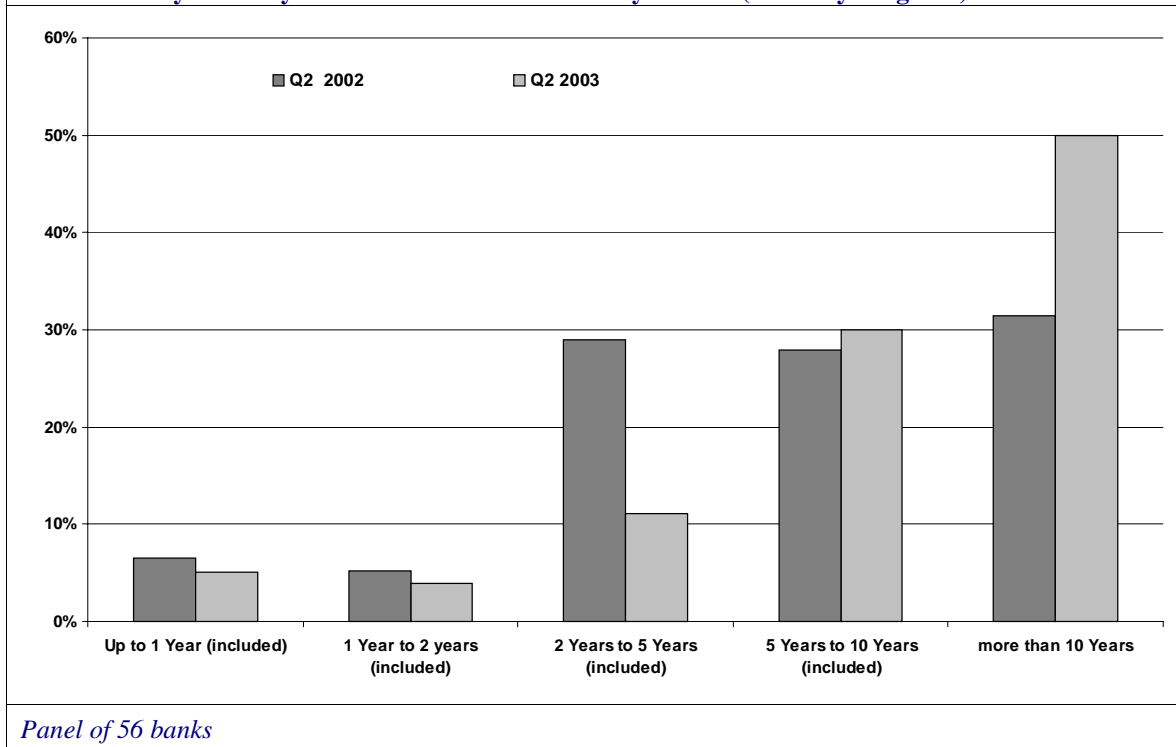
**Evolution and breakdown by maturity of the Xccy market over the past four years (in nominal terms; Base 100 for activity in Q2 2000).**



*Panel of 38 banks*

**Chart 20**

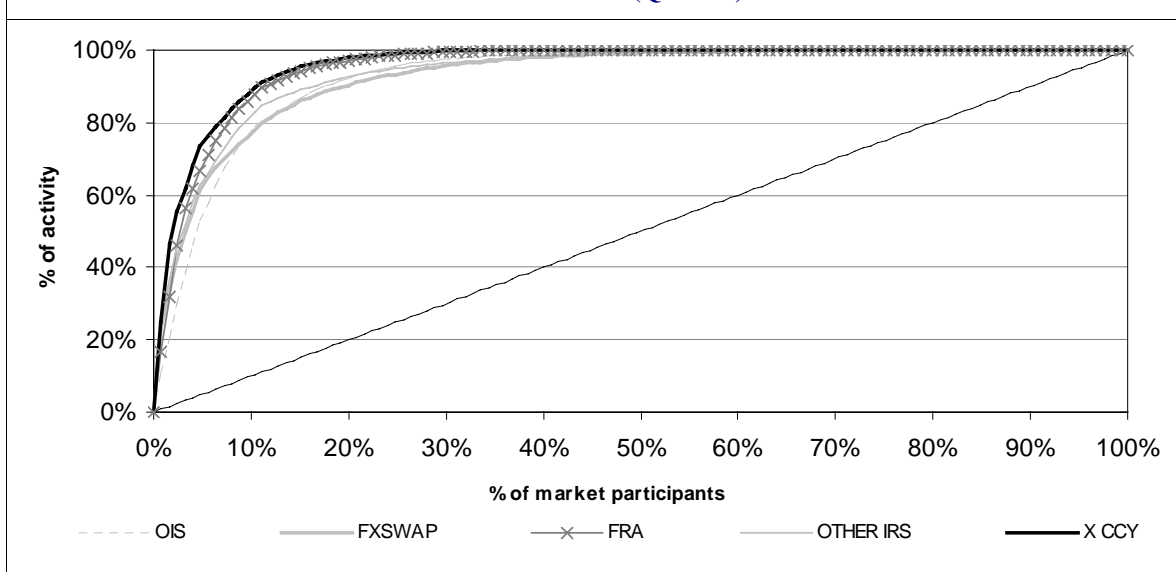
**Breakdown by maturity for 2002 and 2003 on the Xccy market (maturity weighted).**



**I.3.3 Market Structure**

**Chart 21**

**Lorenz curves for the Euro OTC derivatives markets (Q2 2003)**

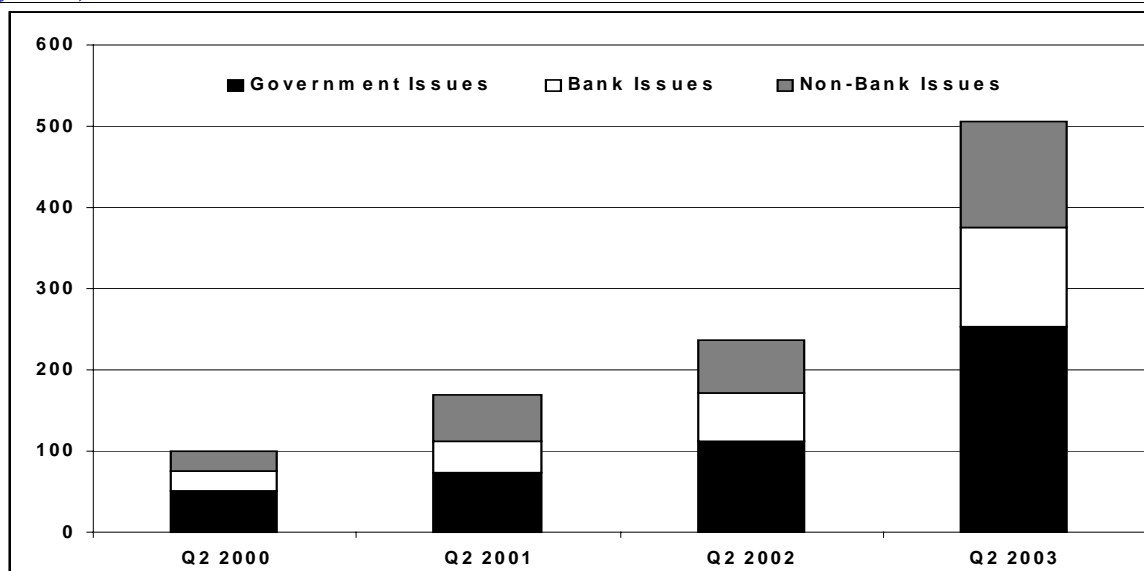


## I.4 Developments in the short-term securities market

### I.4.1 Turnover analysis

**Chart 22**

Evolution of outright transactions over the past four years (in nominal terms; base 100 for activity in Q2 2000).



69 reporting banks

### I.4.2 Market structure

**Chart 23**

Lorenz curves for the Euro short-term securities markets (Q2 2003)

