



EUROPEAN CENTRAL BANK

EUROSYSTEM

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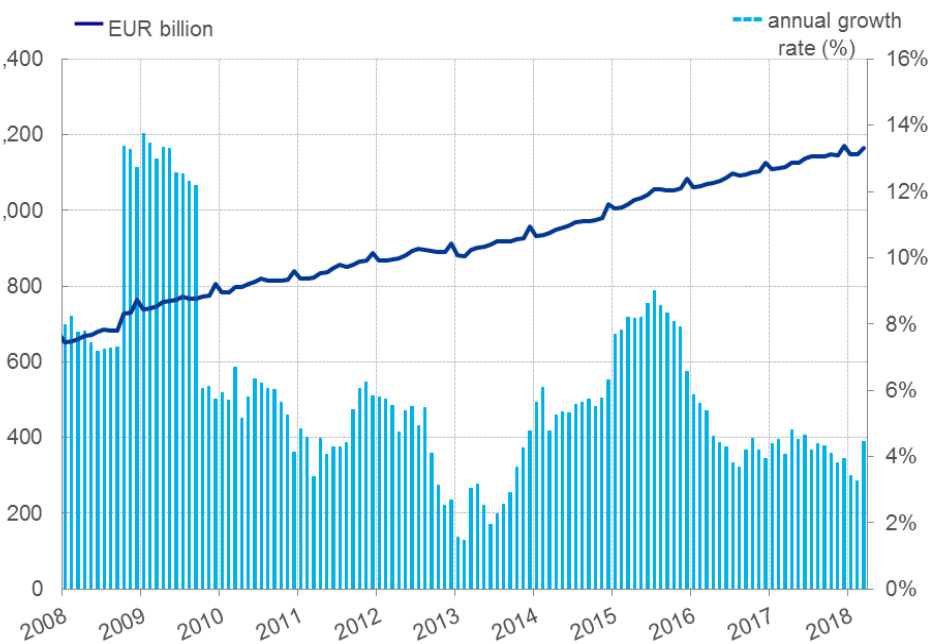
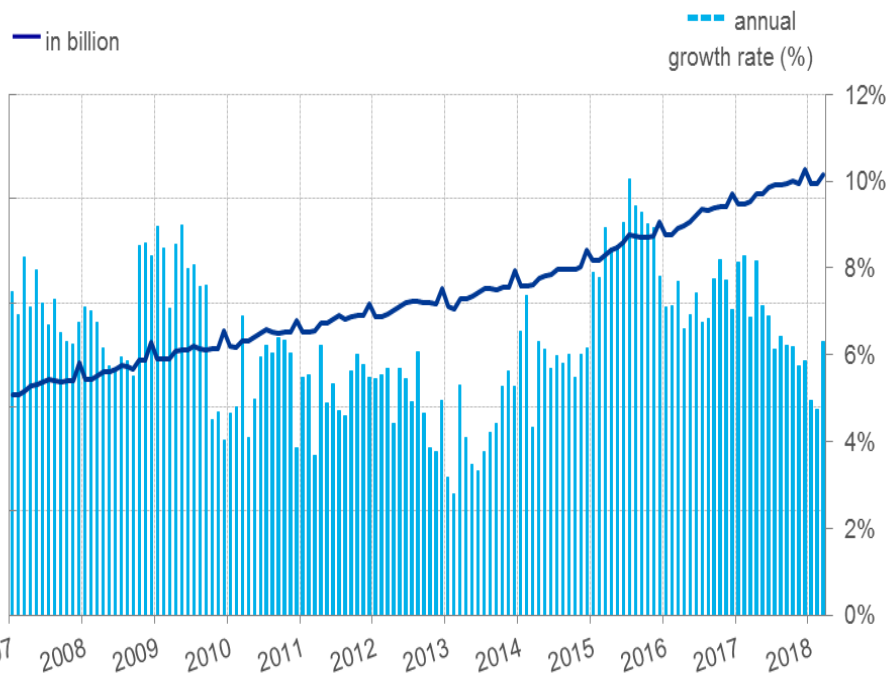
# ECB update

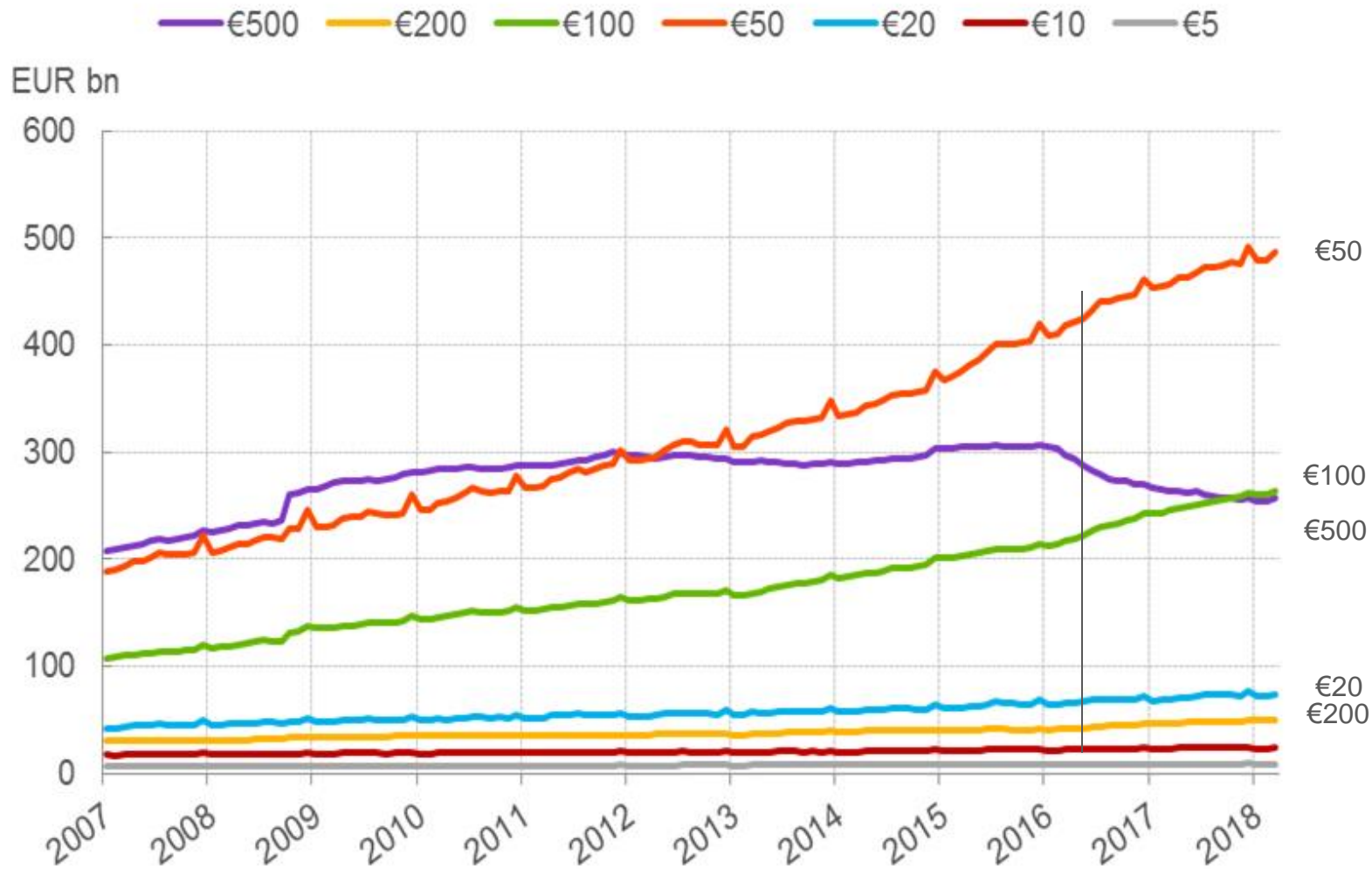
ESTA Conference

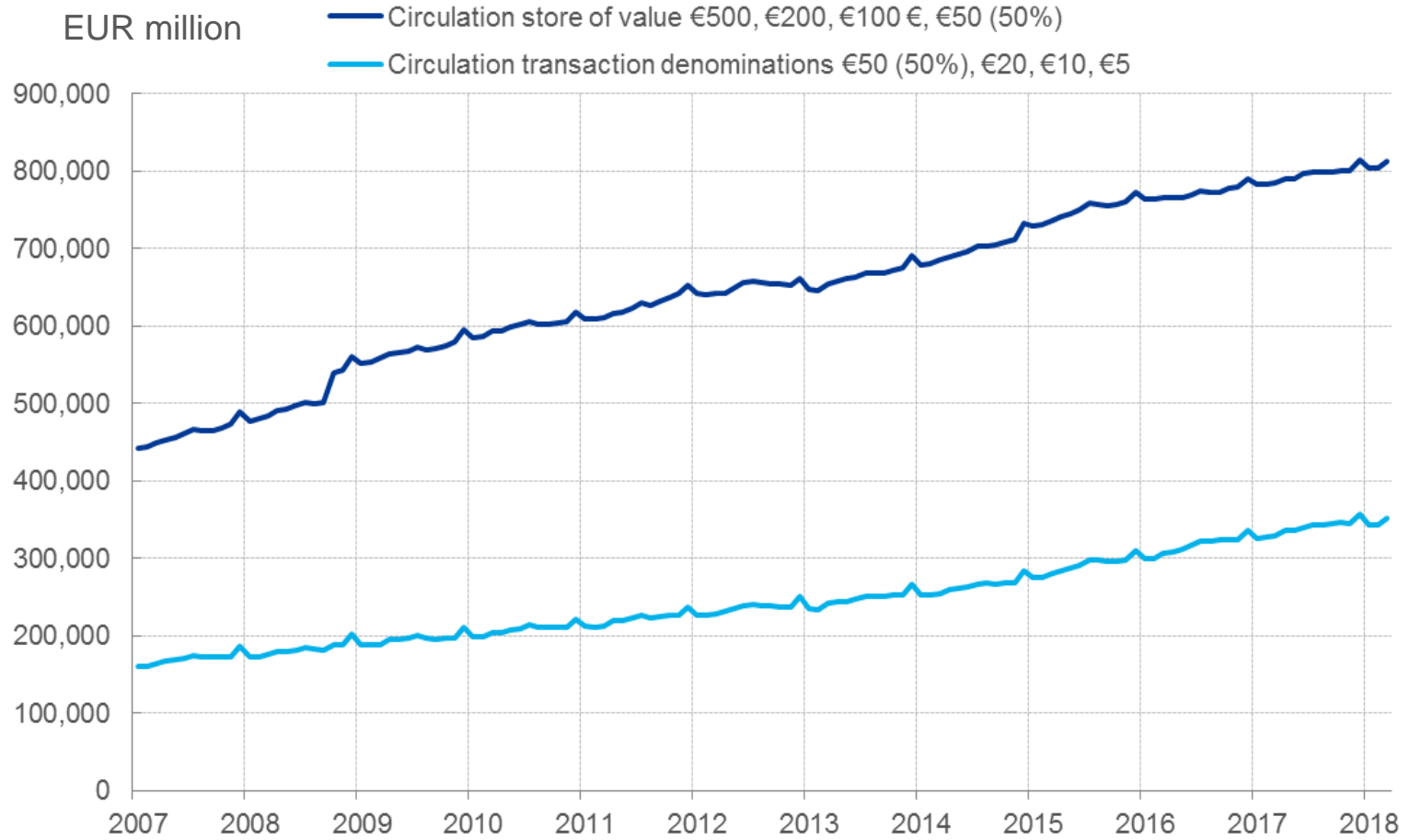
Budapest, 13-15 May 2018

**21.1 billion pieces (+ 6.3% p.a.)**

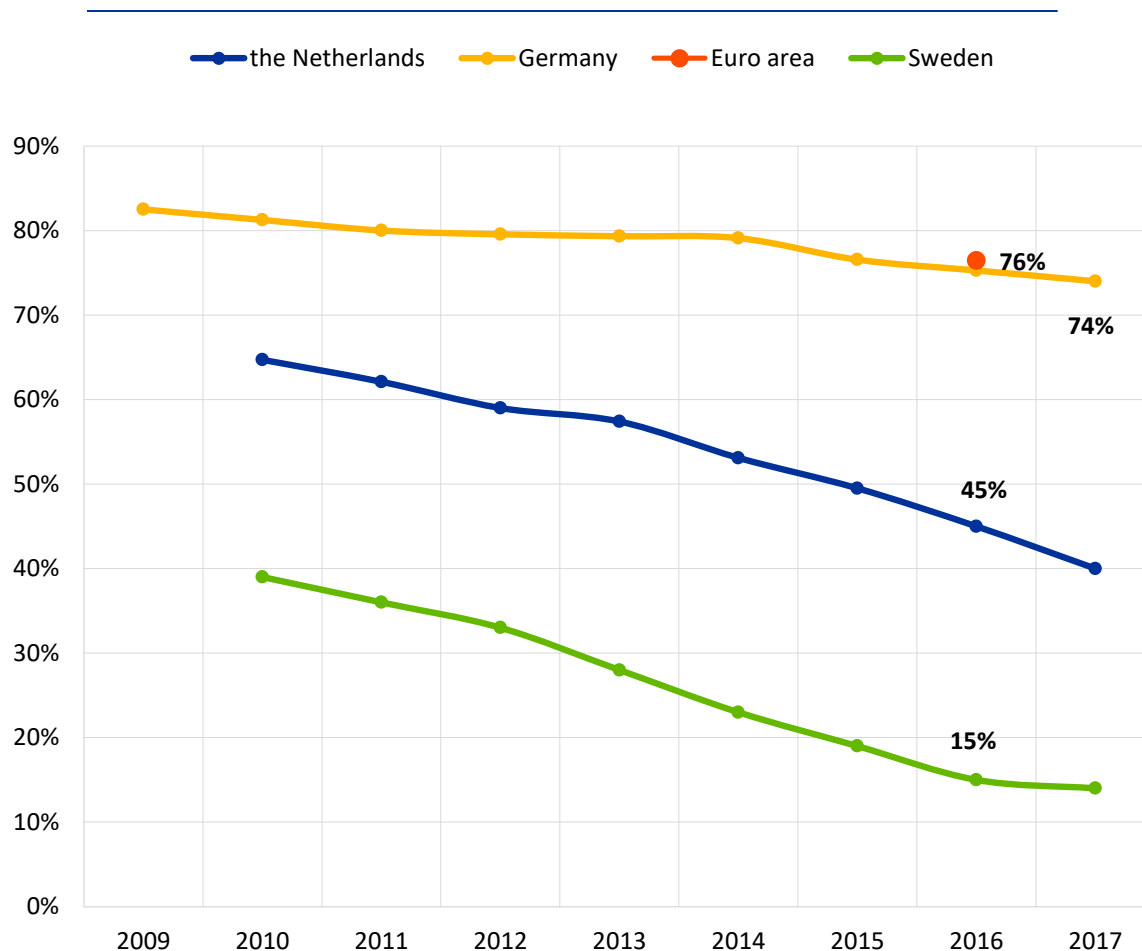
**EUR 1,164 billion (+ 4.5% p.a.)**







## Use of cash over the years *(percentage of cash over all POS transactions)*



Source: ECB, BBK, DNB, Riksbank.

Results of Germany (over all transactions) for 2009, 2011, 2014 and 2017. Results for Sweden for 2010, 2012, 2014 and 2016.

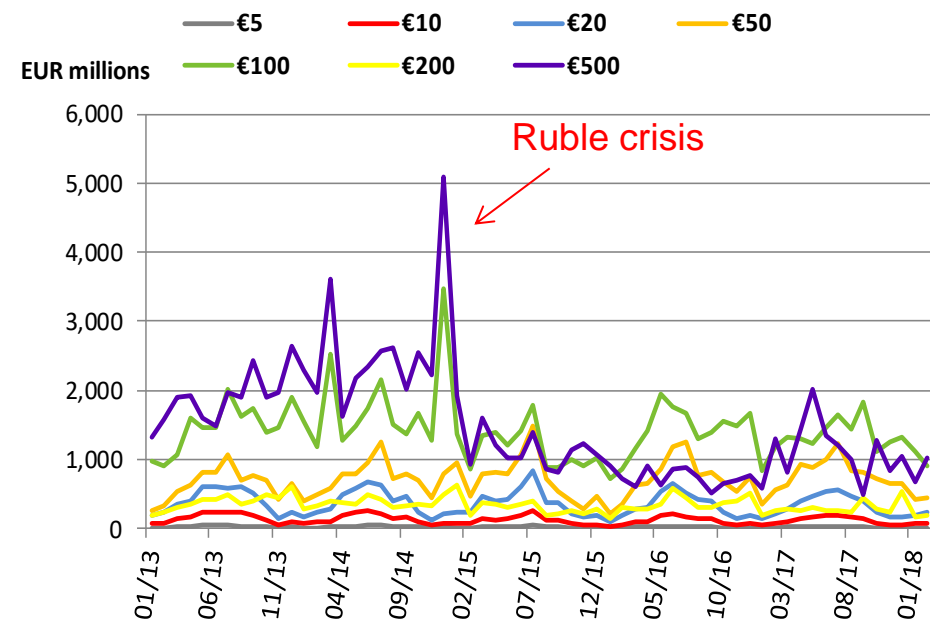
Results of the Netherlands for 2010 to 2016.

Results of other years inter-, or extrapolated.

Result euro area 2016 based on SUCH but corrected for interpolated results from Germany.

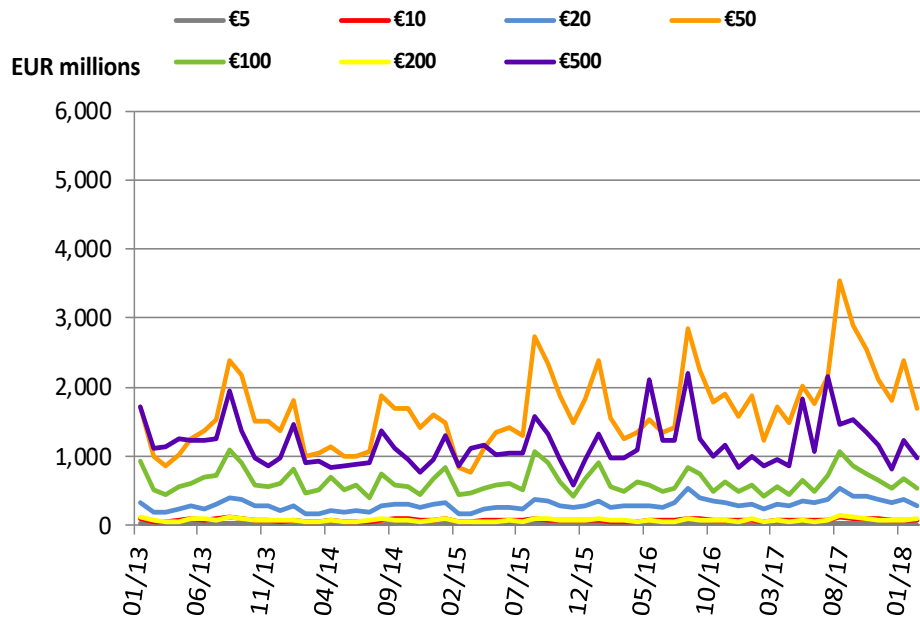
## Exports of euro banknotes by denomination

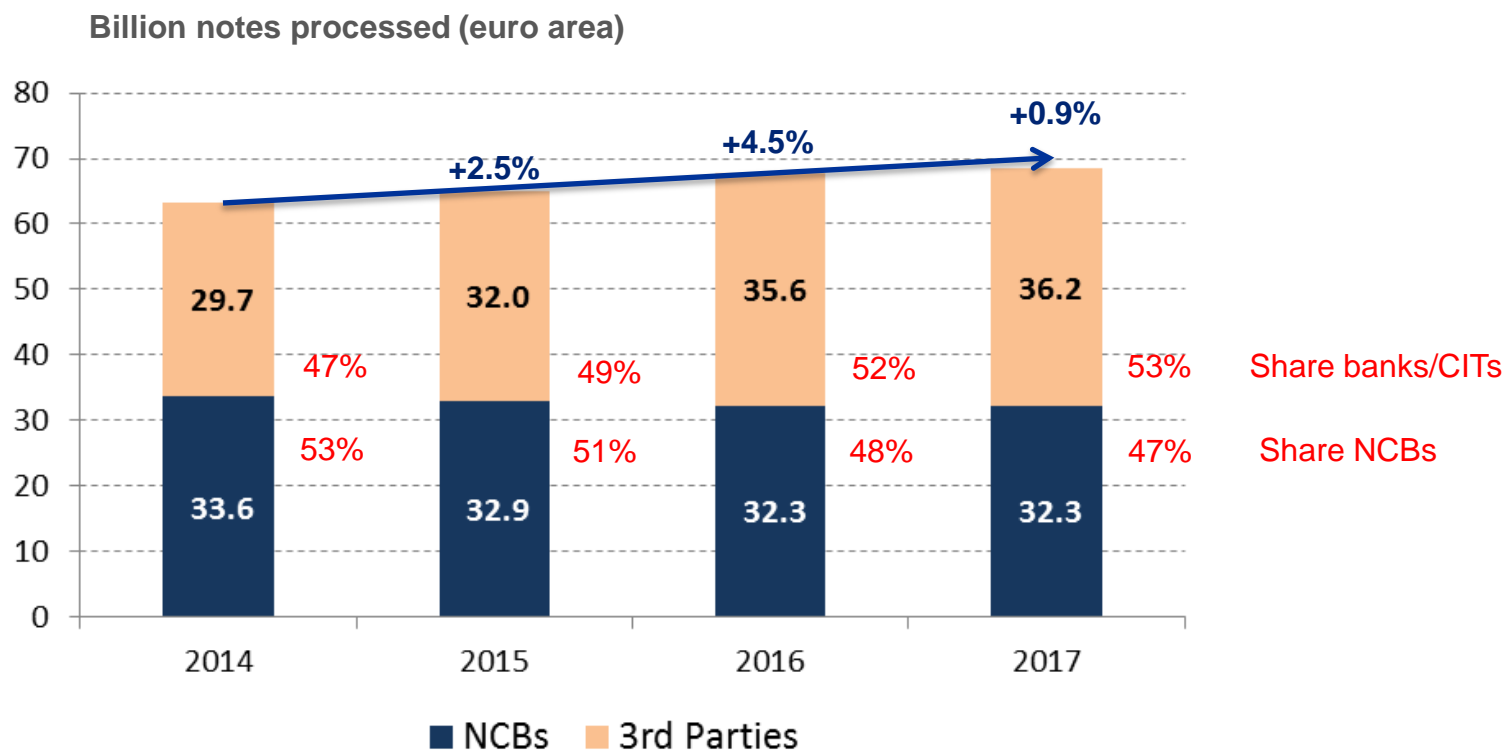
(value, EUR mln)



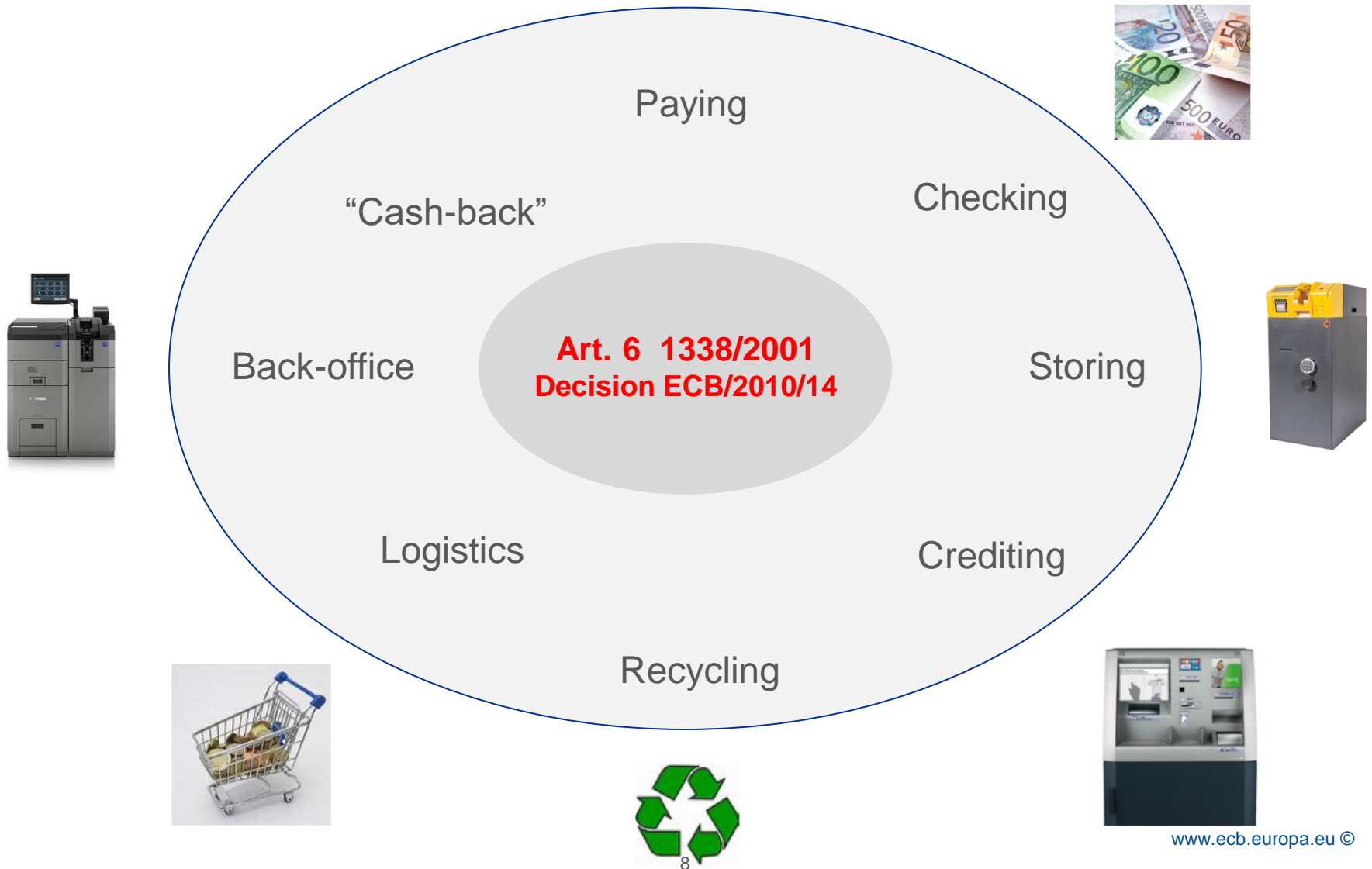
## Imports of euro banknotes by denomination

(value, EUR mln)





# Retail cash innovation and automation





## Implementation of common IBNS policy

- **No ECB legal act** forcing banks/CIT-companies to adapt their machines to detect and separate IBNS notes
- Banks/CITs may **voluntarily** adapt their machines to avoid losses due to debiting of IBNS notes detected by NCBs
- Since March 2018 NCBs offer a **common IBNS test deck and IBNS testing procedure** to support manufacturers to develop IBNS software adaptations



**ECB & NCBs will increase awareness of general public on IBNS and the ECB rules on exchange of IBNS notes**

Note: We don't exclude other systems: e.g. glue



- Robust circulation growth and increasing cash processing volumes provide some evidence that cash is still actively used, also for payment purposes
- Euro cash is the most used payment instrument at the POS and in P2P payments
- ECB/Eurosystem is determined to maintain the euro currency as trusted and efficient payment instrument
- As issuing authorities, ECB/Eurosystem will continue to oversee developments in the cash cycle to keep cash not only secure, but also widely available and easy & efficient to use

**Thank you for your attention!**