The Bundesbank‘s Research Data and Service Center
New Developments: unleashing more potential than ever before

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Overview

What is this presentation all about?

Not this presentation:

- one specific data set

This presentation: Bundesbank’s RDSC and its various datasets

- I origin and accomplishments
- II overview and introduction to various datasets
- III data access requirements
- IV provided service
- V conclusion

I Origin & Accomplishments

What makes us special?

Origin

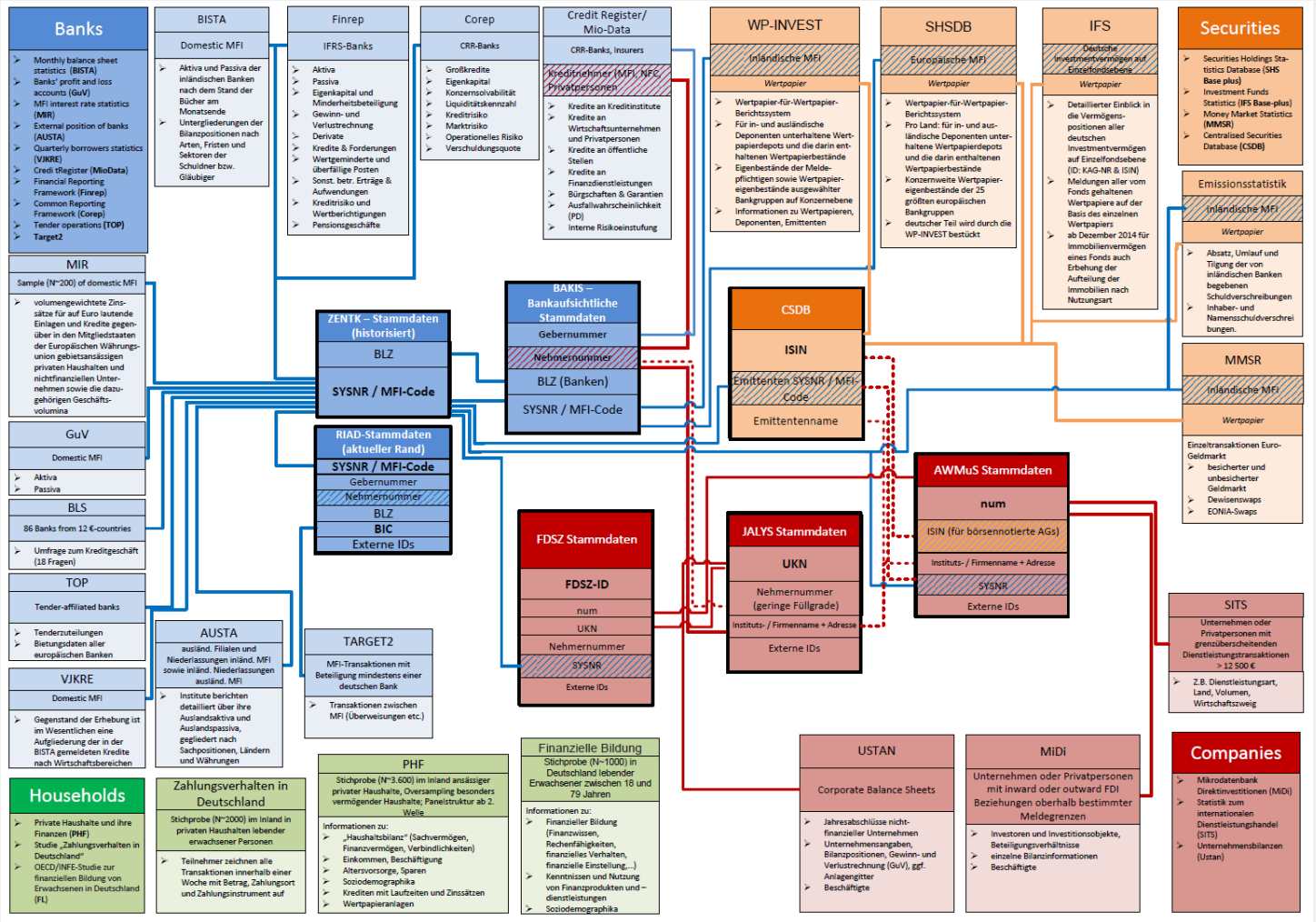
- The Bundesbank – like other central bank – produces datasets which are highly valuable for policy analysis and research
- We have launched a large-scale initiative aimed at making **better use of existing data** both, **for** policy analysis as well as internal and **external researchers**, five years ago

Accomplishments

- Project applications: 565 (355 successful)
- Active projects: 312
- Mean number of datasets per project in 2018: 2.68
- Number of collaborating institutions: 160 worldwide, of which 90 abroad
- Workstations: 12

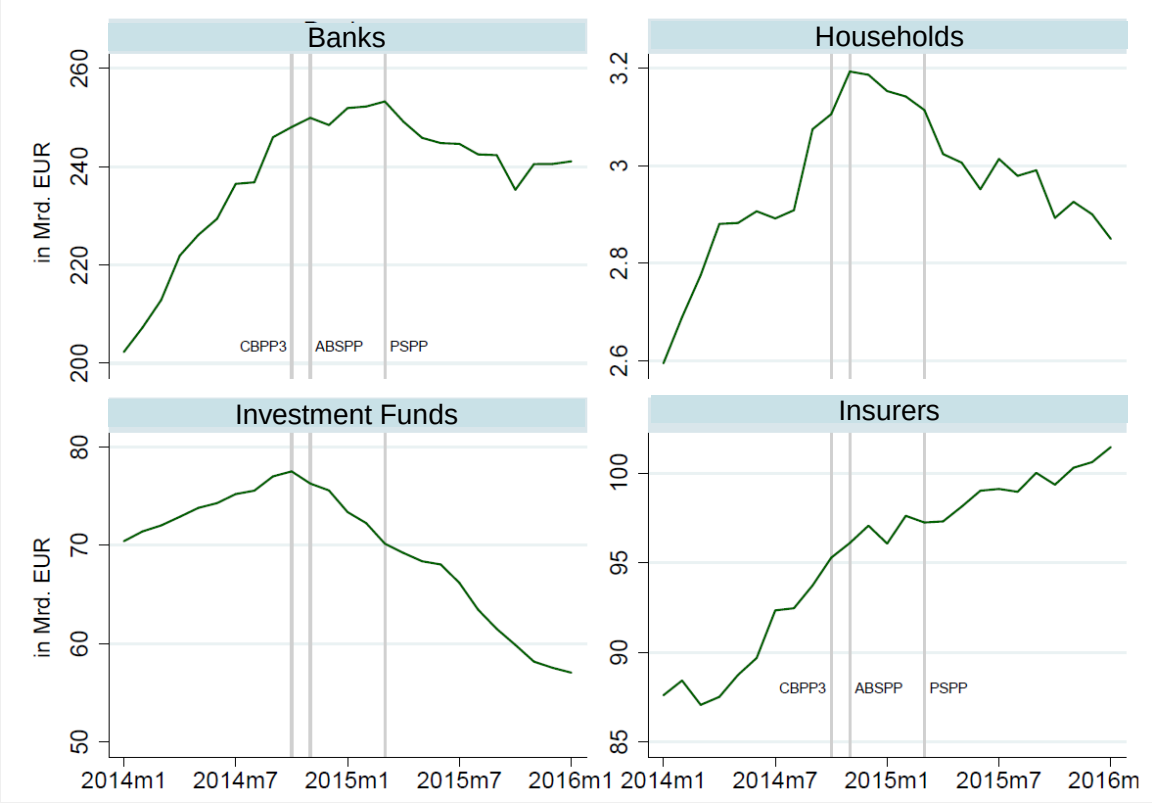
II Overview and Introduction to Various Datasets

Which datasets do we have?



Security Register: “SHS Base Plus“

Example: a look at the ECB‘s QE programme:



II Overview and Introduction to Various Datasets

An example: **who** holds **which** securities?

Securities Holdings Statistics: SHS-Base plus

- Information on security ownership and lending/borrowing of German MFI: bonds, shares, certificates, …
  - security*bank*sector*time level
  - information on holding sector, holding country, ownership status, currency, stock raw, stock nominal value, stock market value
  - 2005 – 2012: quarterly; 2013 - today: monthly
  - 6 million observations each reporting period

- Rise of new questions! E.g.:
  - Heterogeneity among banks: look into monthly balance sheet statistics of MFI (BISTA)
  - Heterogeneity of securities: look into Centralised Securities Database (CSDB)

Monthly Balance Sheet Statistics (BISTA):

- Detailed core banking business information of German MFI
  - bank*time level
  - information on assets and liabilites by sector (interbank, corporate, households) and type (Credit, Bonds, Shares): ~ 1,500 observations per bank per month
  - all domestic MFIs: ~ 1,700 per month (today)
  - 1999 until today: monthly

Centralised Securiteis Database (CSDB):

- Detailed information on all securities (held in Europe)
  - securitiy*time level
  - 70 instrument (eg. debt type, yield, maturity, issuance, redemption, coupons, splits)
  - 9 issuer attributes (eg. sector, country, IDs)
  - 2009 until today: monthly

- Rise of new questions! E.g.:
  - Heterogeneity of investment fund (shares)? Look into Investment Funds Statistics (IFS-Base)!

Investment Funds Statistics (IFS-Base):

- Detailed overview of the assets and liabilities of German open-end investment funds
  - fund*security*time level
  - 22 varibales on respective fund (e.g. maturity type, repurchase type, ETF, legal form, …)
  - 24 variables of funds' investments (e.g. isin, maturity, currency, country, …) even other than securites, like real estate
  - 6,300 investment funds
  - 2009 until until today, monthly

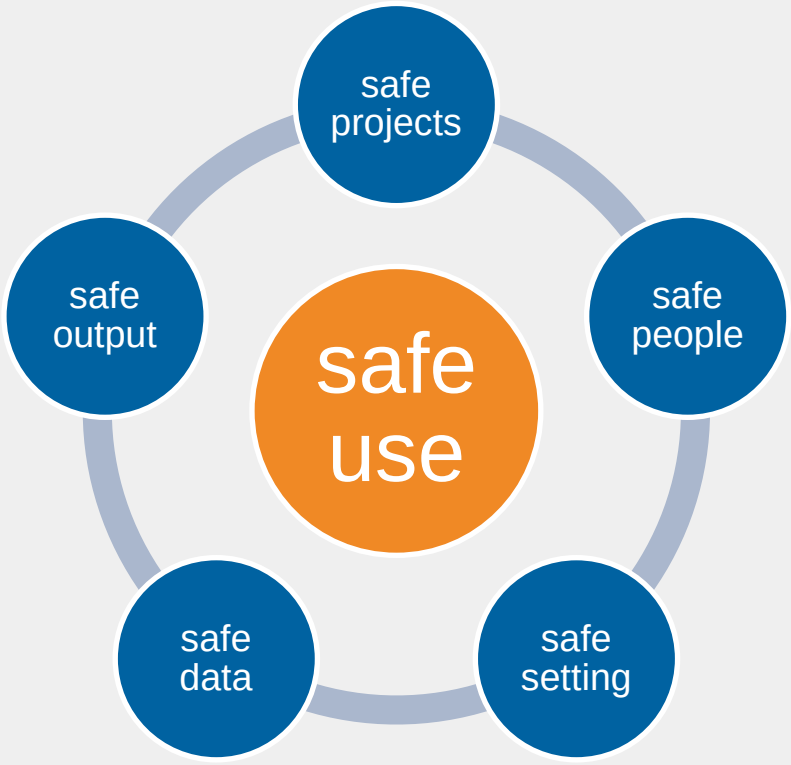
Empirical Finance and Marcoeconomics:

- (Financial) Network analysis
- (Intermediate) Asset pricing
- Regulatory validation
- Business model analysis
- Real- and monetary asset structuring
- Factors underlying the globalisation of banking activities
- Risk taking by banks before and after the financial market crisis

III Data Access Requirements

How do we share confidential microdata?

Resulting practice: five safes framework



Save Projects: application for data access

Save People: curriculum vitae + contract

Safe Setting: data stays at Bundesbank premises

Save data: no directly identifying information

Save output: obligatory disclosure control

Source: *Idea from Office for National Statistics UK*
https://blog.ons.gov.uk/2017/01/27/the-five-safes-data-privacy-at-ons/

IV Provided Service

What else do we offer?

Linking various data sources

- matching tables for all Bundesbank microdata sets
- possibility to bring in individual, external data
- matching service for external microdata to Bundesbank data

Code@home

- data structure files on homepage
- remote execution

Consistent documentation in English

Advisory service (data selection, access, handling, research potential, scope and validity)

High performance soft- and hardware

V Conclusion

How do you find us?

THANK YOU FOR YOUR ATTENTION

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