

# User manual

## Aggregated Time Series Databáze ARAD (Internet version)

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### Introduction

ARAD is a public database forming part of the Czech National Bank's information service. The purpose of the database is to create a unified system for presenting time series of aggregated statistical data from various internal and external CNB sources. The data are stored in the database by subject area (in "data tables"). Data are located in the data sources according to where those data are acquired. The database is updated periodically using data from more than F€0 data tables. Its outputs are broken down into the following basic areas using a retrieval program.

- [Monetary and banking statistics](#)
- [State statistics - data from the Czech Statistical Office](#)
- [Balance of payments statistics](#)
- [Financial market statistics](#)
- [SDDS](#)

These basic areas are then branched hierarchically.

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### Retrieving data from ARAD

The application has a retrieval menu allowing the user to navigate easily through the database's hierarchical structure to the required indicator. The indicators are aggregated economic variables defined by a combination of data from the data source.

The user uses a list of predefined arrays of indicators for each subject group. These are selected by name, so no knowledge of the source table structure is required.

The program calculates the time series for the selected group of indicators (array) and displays them in the chosen format (HTML, TXT, Excel). The user has the option of limiting the amount of data by altering the time interval, which is set as wide as possible by default, or by reducing the number of predefined indicators in the array. Each array contains a predefined list of indicators. Users can modify this list to their

individual requirements by clicking on the relevant check box to exclude an indicator from the list. To exclude indicators more quickly, click on Delete (or in the opposite case Select).

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## Methodology

The following items appear on [the Methodology tab](#) in the screen for entering final query arguments in the database:

- Methodology sheet in PDF (always). [Sample methodology sheet.](#)
- News on the specific report (where applicable).
- FAQs relating to the report (where applicable).

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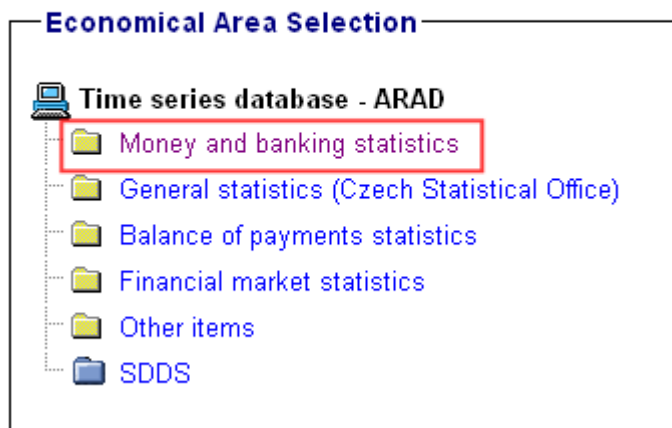
Navigation - example

**First step - pass along the retrieval tree from its roots upwards:**

a.)

## Data Selection

Navigation: [Time series database - ARAD](#)



b.)

## Data Selection

Navigation: [Time series database - ARAD](#) » [Money and banking statistics](#) » [Monetary statistics](#)

**Economical Area Selection**

- Monetary statistics
  - A. Statistics of monetary developments in the CR
  - B. Interest rates of MFIs
  - C. National money statistics**
  - D. Statistics on other financial intermediaries

c.)

Navigation: [Time series database - ARAD](#) » [Money and banking statistics](#) » [Monetary statistics](#) » [C. National money statistics](#)

**Economical Area Selection**

- C. National money statistics**
  - Monetary survey
  - Monetary base

## Second step - select the indicator array

Navigation: [Time series database - ARAD](#) » [Money and banking statistics](#) » [Monetary statistics](#) » [C. National money statistics](#) » [Monetary survey](#)

**Výběr sestavy ukazatelů**

- Monetary survey
  - C.2 Monetary Survey - assets** ⊕
  - C.2 Monetary Survey - liabilities ⊕
  - C.2 Monetary Survey - year-on-year changes (%) ⊕
  - C.2 Monetary Survey - annual growth rate (%) ⊕
  - Monetary survey (historical data) - part I. - Assets - CZK bn ⊕
  - Monetary survey (historical data) - part II. - Liabilities - CZK bn ⊕
  - Monetary survey (historical data) - part III. - Year-on-year changes in % ⊕

## Third step - set the parameters for computing the time series

Navigation: [Home](#) > [Data selection](#) > [2006](#) > [Monthly](#) > [2006](#) > [1](#) > [Monthly](#) > [2006](#)

1.2 Monthly Series - 2006

**Data Selection** | Methodology

**Selection parameters**

From: 31 January 1993 To: 31 August 2006 Frequency: monthly Sort: descending N of decimal: default

**Output format**

Type:  browser  excel  txt  print version  chart Decimal point delimiter: . -- Extract --

**Report's indicators**

Number	Name of indicator	Clear
1	Net foreign assets (NFA)	<input checked="" type="checkbox"/>
2	NFA CNB	<input checked="" type="checkbox"/>
3	NFA OMI	<input checked="" type="checkbox"/>
4	Net domestic assets	<input checked="" type="checkbox"/>
5	Domestic credits	<input checked="" type="checkbox"/>
6	Net credit to the government sector	<input checked="" type="checkbox"/>
7	Net credit to the central government	<input checked="" type="checkbox"/>
8	Net credit to the other government	<input checked="" type="checkbox"/>
9	Loans to nonfinancial and financial	<input type="checkbox"/>
10	Loans to nonfinancial	<input type="checkbox"/>
11	Loans to financial	<input type="checkbox"/>

## Fourth step - data sheet

(full functionality only in browser IE6+)

Attention! We recommend limiting the interval selected when using the Lock Date Column function in order to prevent an erroneous response from the application.

Freeze Date Column (as in Excel)

in CZK millions unless stated otherwise    Decimal point delimit

Unlock Date Column    Print version    Chart    Full-screen    Close window (Alt+F4)

Date	IND1 Net foreign assets (NFA) <input checked="" type="checkbox"/>	IND2 NFA CNB <input type="checkbox"/>	IND3 NFA OMFI <input checked="" type="checkbox"/>	IND4 Net domestic assets <input type="checkbox"/>	IND5 Domestic credits <input type="checkbox"/>	IND6 Net credit to the government sector <input type="checkbox"/>	IND7 Net credit to the central government <input type="checkbox"/>	IND8 Net credit to the other government <input type="checkbox"/>	IND9 Loans to businesses and households <input type="checkbox"/>
31.7.2006	1,015,743.5	688,338	327,405.4	1,057,419.2	1,270,580	71,409.9	173,344.8	-101,935	1,199,170.
30.6.2006	1,019,609.7	676,276.4	343,333.3	1,041,903.7	1,250,737.8	97,892.2	180,675.9	-82,783.7	1,152,845.
31.5.2006	1,048,680.7	689,375.1	359,305.6	1,000,669.1	1,237,462.4	108,793.3	201,335.5	-92,542.2	1,128,669.
31.3.2006	1,056,136.8	705,145.1	350,991.7	952,613.6	1,192,658.5	83,897.8	161,293.4	-77,395.6	1,108,760.
28.2.2006	1,057,419.3	708,840.6	348,578.7	944,829.8	1,194,528.7	103,426.6	184,123.6	-80,697	1,091,102.
31.1.2006	1,061,150	700,163.9	360,986.1	955,442.1	1,166,600.8	99,090.3	163,045.4	-63,955.1	1,067,510.
31.12.2005	1,076,378.5	724,726.4	351,652.1	915,753.1	1,166,600.8	99,090.3	163,045.4	-63,955.1	1,067,510.
30.11.2005	1,066,544.4	718,127.8	348,416.6	899,024	1,147,852.8	91,686.2	169,462.9	-77,776.7	1,056,166.
31.10.2005	1,090,635.8	725,095.2	365,540.5	843,228.1	1,110,700.1	66,609	151,522.7	-84,913.7	1,044,09
30.9.2005	1,080,770.2	729,979.9	350,790.3	838,442.3	1,094,157.8	67,303.9	141,805.2	-74,501.3	1,026,853.
31.8.2005	1,080,140	728,308.3	351,831.7	840,319.9	1,092,135.6	84,145.5	162,780.9	-78,635.4	1,007,99
30.7.2005	1,080,140	728,308.3	351,831.7	840,319.9	1,092,135.6	84,145.5	162,780.9	-78,635.4	1,007,99
30.6.2005	1,080,140	728,308.3	351,831.7	840,319.9	1,092,135.6	84,145.5	162,780.9	-78,635.4	1,007,99

Change in sorting by date

Add indicator to chart

click to fix the line  
click again to return