**Working Paper Clio Infra: Inflation**

1. Title

- Inflation Database clio infra

2. Author(s)

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3. Production date

- 12-12-2011

4. Version

- Version 1.0

5. Variable group(s)

- Prices

6. Variable(s)

- Inflation, annual percentage change

7. Unit of analysis

- Country

8. Keywords (5)

- Prices, inflation, world, inequality, economy

9. Abstract (200 words)

- This paper is supplement to the database on world inflation (annual percentage change) in the light of the CLIO-INFRA project. It specifies which data point comes from which source.

10. Time period

- 1500-2010

11. Geographical coverage

- World

12. Methodologies used for data collection and processing

- Combining data from all available sources, a most complete database of inflation in the world was created. Most of the data was found online, while the time-series for pre-twentieth century Ceylon and South Africa stem from my own research on prices in the archives of the Dutch East India Company (VOC).

13. Data quality

- Indication of the quality of the data based on the following categories:

i. Central statistical agencies

Most data for the 20th century are the result of work of central statistical agencies.

ii. Historical reconstructions

For the earlier centuries: data are the result of historical reconstructions making use of the methods and the broad range of data that are also used by central statistical agencies.

14. Date of collection

- 12-12-2011

15. Data collectors

- Pim de Zwart, International Institute of Social History

- Carmen M. Reinhart, Peterson Institute for International Economics, Washington DC

- Kenneth S. Rogoff, Harvard University, Cambridge MA

16. Sources

Arroyo Abad, Leticia, Elwyn Davies and Jan Luiten van Zanden, ‘Prices and wages in Argentina, Bolivia, Chile, Colombia, Mexico and Peru’,  *IISG Historical Prices and Wages,* <http://www.iisg.nl/hpw>

De Zwart, Pim, ‘Population, Labour and Living Standards in early modern Ceylon: an Empirical Contribution to the Divergence Debate’ *Mimeo* (2011).

De Zwart, Pim, ‘Real wages at the Cape of Good Hope: a long-term perspective, 1652-1912’, *CGEH Working Paper* (August 2011).

Montevideo-Oxford Latin American Economic History Database: <http://oxlad.qeh.ox.ac.uk/>

Reinhart, Carmen M., and Kenneth S. Rogoff, ‘From Financial Crash to Debt Crisis’, *American Economic Review* 101 (2011) 1676-1706.

Database on the website: <http://www.carmenreinhart.com/data/>

Santing, Coos, ‘Inflation 1800-2000’, *IISG Historical Prices and Wages:* <http://www.iisg.nl/hpw>.

This also contains data from the IMF International Financial Statistics.

World Bank: <http://data.worldbank.org/indicator/FP.CPI.TOTL.ZG>

17. Text

Prices and inflation are immediate reflections of economic conditions, and in turn affect economic development, as well as people’s lives directly. This database provides the most recent and complete data on inflation in the world available. Most of the data from after 1950 stems from the IMF and WorldBank. Obviously this is the period for which most countries data becomes available (see figure 1). Below the sources for the data in this database are given per country and per period.

Figure 1: Number of observations each year, 1500-2010.

Europe

**Western Europe**

Austria 1500-2010 (Reinhart)

Belgium 1500-2010 (Reinhart)

France 1500-2010 (Reinhart)

Germany 1500-2010 (Reinhart)

Luxembourg 1949-2007 (IMF); 2008-2010 (WorldBank)

Netherlands 1500-2010 (Reinhart)

Switzerland 1851-2010 (Reinhart)

**Northern Europe**

Denmark 1749-2010 (Reinhart)

Estonia 1993-2007 (IMF); 2008-2010 (WorldBank)

Finland 1861-2010 (Reinhart)

Iceland 1901-2010 (Reinhart)

Ireland 1922-2010 (Reinhart)

Latvia 1992-2007 (IMF); 2008-2010 (WorldBank)

Lithuania 1993-2007 (IMF); 2008-2010 (WorldBank)

Norway 1517-2010 (Reinhart)

Sweden 1540-2010 (Reinhart)

United Kingdom of Great Britain and Northern Ireland: 1500-2010 (Reinhart)

**Southern Europe**

Albania 1992-2007 (IMF); 2008-2010 (WorldBank)

Bosnia-Herzegovina 2006-2010 (WorldBank)

Croatia 1993-2007 (IMF); 1986-1992; 2008-2010 (WorldBank)

Greece 1834-2010 (Reinhart)

Italy 1549-2010 (Reinhart)

Kosovo 2003-2010 (WorldBank)

Malta 1949-2007 (IMF); 2008-2010 (WorldBank)

Montenegro 2006-2010 (WorldBank)

Portugal 1565-2010 (Reinhart)

San Marino 2004-2010 (WorldBank)

Serbia 2006-2007 (IMF); 2008-2010 (WorldBank)

Serbia and Montenegro (until 2006): 1995-2005 (IMF)

Slovenia 1993-2007 (IMF); 2008-2010 (WorldBank)

Spain 1501-2010 (Reinhart)

The Former Yugoslav Republic of Macedonia: 1994-2007 (IMF); 2008-2010 (WorldBank)

**Eastern Europe**

Belarus 1993-2007 (IMF); 2008-2010 (WorldBank)

Bulgaria 1986-2007 (IMF); 2008-2010 (WorldBank)

Czech Republic 1994-2007 (IMF); 2008-2010 (WorldBank)

Czechoslovakia (until 1993) 1923-1970 (Santing); 1971-1993 (IMF)

Hungary 1925-2010 (Reinhart)

Poland 1995-2007 (IMF); 2008-2010 (WorldBank)

Romania 1779-2010 (Reinhart)

Russian Federation 1854-2010 (Reinhart)

Slovakia 1994-2007 (IMF); 2008-2010 (WorldBank)

Ukraine 1993-2007 (IMF); 2008-2010 (WorldBank)

Americas

**Northern America**

Canada 1868-2010 (Reinhart)

United States of America 1721-2010 (Reinhart)

**Latin America and the Caribbean**

**Caribbean**

Anguilla 1991-2007 (IMF)

Antigua and Barbuda 1977-1985 (IMF); 1999-2010 (WorldBank)

Aruba 1985-2007 (IMF); 2008-2010 (WorldBank)

Bahamas 1967-2007 (IMF); 2008-2010 (WorldBank)

Barbados 1967-2007 (IMF); 2008-2010 (WorldBank)

Cuba 1904-2000 (OxLad)

Dominica 1965-2007 (IMF); 2008-2010 (WorldBank)

Dominican Republic 1943-2010 (Reinhart)

Grenada 1977-2010 (WorldBank)

Haiti 1949-1960 (OxLad); 1961-2010 (WorldBank)

Jamaica 1954-1960 (IMF); 1961-2010 (WorldBank)

Netherlands Antilles (until 2010) 1960-2007 (IMF)

Saint Kitts and Nevis 1980-2010 (WorldBank)

Saint Lucia 1966-2010 (WorldBank)

Saint Vincent and the Grenadines 1975-2010 (WorldBank)

Trinidad and Tobago 1953-1960 (IMF); 1961-2010 (WorldBank)

**Central America**

Belize 1981-2010 (WorldBank)

Costa Rica 1937-2010 (Reinhart)

El Salvador 1938-2010 (Reinhart)

Guatemala 1938-2010 (Reinhart)

Honduras 1937-2010 (Reinhart)

Mexico 1526-1813 (Arroyo Abbad et al.); 1814-2010 (Reinhart)

Nicaragua 1938-2010 (Reinhart)

Panama 1940-2010 (Reinhart)

**South America**

Argentina 1701-1773 (Arroyo Abbad et al.); 1774-2010 (Reinhart)

Bolivia (Plurinational State of) 1727-1813 (Arroyo Abbad et al.); 1937-2010 (Reinhart)

Brazil 1764-2010 (Reinhart)

Chile 1662-1738 (Arroyo Abbad et al.); 1751-2010 (Reinhart): Note: for 1914 two figures were given: 8.4 and 16.3. I have taken the average of 9.7 percent.

Colombia 1763-1805 (Arroyo Abbad et al.); 1863-2010 (Reinhart)

Ecuador 1939-2010 (Reinhart)

Guyana 1995-2010 (WorldBank)

Paraguay 1939-2010 (Reinhart)

Peru 1565-1750 (Arroyo Abbad et al.); 1751-2010 (Reinhart)

Suriname 1955-1960 (IMF); 1961-2010 (WorldBank)

Uruguay 1871-2010 (Reinhart)

Venezuela (Bolivarian Republic of): 1831-2010 (Reinhart)

Oceania

**Australia and New Zealand**

Australia 1819-2010 (Reinhart)

New Zealand 1858-2010 (Reinhart)

**Melanesia**

Fiji 1970-2010 (WorldBank)

Papua New Guinea 1972-2010 (WorldBank)

Solomon Islands 1972-2010 (WorldBank)

Vanuatu 1977-2010 (WorldBank)

Polynesia

Samoa 1962-2010 (WorldBank)

Tonga 1976-2010 (WorldBank)

Asia

**Southern Asia**

Afghanistan 2005-2010 (WorldBank)

Bangladesh 1987-2010 (WorldBank)

Bhutan 1981-2010 (WorldBank)

India 1801-2010 (Reinhart)

Iran (Islamic Republic of) 1949-1960 (IMF); 1961-2010 (WorldBank)

Maldives 1978-1982 (IMF); 2006-2010 (World Bank)

Nepal 1965-2010 (WorldBank)

Pakistan 1949-1956 (Santing); 1957-1960 (IMF); 1961-2010 (WorldBank)

Sri Lanka 1689-1790 (De Zwart); 1939-2010 (Reinhart)

**Eastern Asia**

China 1639-2010 (Reinhart)

China, Hong Kong 1982-2010 (WorldBank)

China, Macao 1989-2010 (WorldBank)

Japan 1819-2010 (Reinhart)

Mongolia 1993-2010 (WorldBank)

Republic of Korea 1952-2010 (Reinhart)

Taiwan 1953-2010 (Reinhart); Note: for 1914 two figures were given: -2 and -6.1. I have taken the average of -4 percent.

**South-Eastern Asia**

Brunei Darussalam 1981-2009 (WorldBank)

Cambodia 1995-2010 (WorldBank)

Indonesia 1999-2010 (Reinhart)

Indonesia (until 1999) 1819-1998 (Reinhart)

Lao People's Democratic Republic 1989-2010 (WorldBank)

Malaysia 1950-2010 (Reinhart)

Myanmar 1827-2010 (Reinhart)

Philippines 1939-2010 (Reinhart); 1944-45 (Santing)

Singapore 1961-2010 (Reinhart)

Thailand 1921-2010 (Reinhart); 1944-1948 (Santing)

Timor-Leste 2003-2010 (WorldBank)

Viet Nam 1996-2010 (WorldBank)

**Western Asia**

Armenia 1994-2010 (WorldBank)

Azerbaijan 1992-2010 (WorldBank)

Bahrain 1966-2010 (WorldBank)

Cyprus 1951-2007 (IMF); 2008-2010 (WorldBank)

Georgia 1995-2010 (WorldBank)

Iraq 1961-2010 (WorldBank)

Israel 1946-2007 (Santing); 2008-2010 (WorldBank)

Jordan 1970-2010 (WorldBank)

Kuwait 1972-2010 (WorldBank)

Lebanon 1967-1994 (IMF); 2009-2010 (WorldBank)

Oman 2001-2010 (WorldBank)

Qatar 1980-2010 (WorldBank)

Saudi Arabia 1964-2010 (WorldBank)

Syrian Arab Republic 1949-1960 (IMF); 1961-2010 (WorldBank)

Turkey 1586-2010 (Reinhart); Note for 1915 two figures were given: 20.2 and 77.3. I have taken the average of 48.8 percent.

Yemen 1991-2010 (WorldBank)

**Central Asia**

Kazakhstan 1994-2010 (WorldBank)

Kyrgyzstan 1996-2010 (WorldBank)

Tajikistan 2001-2010 (WorldBank)

Africa

**Northern Africa**

Algeria 1870-2010 (Reinhart)

Egypt 1860-2010 (Reinhart)

Libya 1965-2009 (WorldBank)

Morocco 1940-2010 (Reinhart)

Sudan (until 2011) 1952-1960 (IMF); 1961-2010 (WorldBank)

Tunisia 1939-2010 (Reinhart)

**Western Africa**

Benin 1993-2010 (WorldBank)

Burkina Faso 1959-2007 (IMF); 2008-2010 (WorldBank)

Cape Verde 1984-2010 (WorldBank)

Cote d'Ivoire 1952-2010 (Reinhart)

Gambia 1962-2010 (WorldBank)

Ghana 1949-2010 (WorldBank)

Guinea 2005-2010 (WorldBank)

Guinea-Bissau 1988-2010 (WorldBank)

Liberia 1966-1989 (IMF); 2002-2009 (WorldBank)

Mali 1989-2010 (WorldBank)

Mauritania 1986-2010 (WorldBank)

Niger 1964-2010 (WorldBank)

Nigeria 1954-2010 (Reinhart)

Senegal 1968-2010 (WorldBank)

Sierra Leone 1957-2007 (IMF); 2008-2010 (WorldBank)

Togo 1967-2010 (WorldBank)

**Middle Africa**

Angola 1915-2010 (Reinhart)

Cameroon 1969-2010 (WorldBank)

Central African Republic 1957-2010 (Reinhart)

Chad 1984-2009 (WorldBank)

Congo 1997-98 (IMF); 1986-96 (WorldBank); 1999-2009 (WorldBank)

Democratic Republic of the Congo 1964-2008 (WorldBank)

Equatorial Guinea 1986-2008 (WorldBank)

Gabon 1963-2010 (WorldBank)

Sao Tome and Principe 1997-2010 (WorldBank)

**Southern Africa**

Botswana 1975-2010 (WorldBank)

Lesotho 1974-96; 2000-10 (WorldBank); 1997-99 (IMF)

Namibia 2003-2010 (WorldBank)

South Africa 1653-1912 (De Zwart); 1913-2010 (Reinhart)

Swaziland 1966-2010 (WorldBank)

**Eastern Africa**

Burundi 1966-2010 (WorldBank)

Comoros 2001-2010 (WorldBank)

Djibouti 1980-2010 (WorldBank)

Ethiopia (until 1993) 1966-1993 (WorldBank)

Ethiopia (from 1993) 1993-2010 (WorldBank)

Kenya 1948-2010 (Reinhart)

Madagascar 1965-2010 (WorldBank)

Malawi 1981-2010 (WorldBank)

Mauritius 1946-2010 (Reinhart)

Mozambique 1986-2007 (IMF); 2008-2010 (WorldBank)

Rwanda 1967-93; 1996-2010 (WorldBank); 1994-95 (IMF)

Seychelles 1971-2010 (WorldBank)

Uganda 1981-2010 (WorldBank)

United Republic of Tanzania 1966-2010 (WorldBank)

Zambia 1943-2010 (Reinhart)

Zimbabwe 1921-2010 (Reinhart)