**Required content of Working Paper CLIO-INFRA**

***Please include the following elements into any working paper entered into the CLIO-INFRA system:***

1. Title

 Silver mining production by decade and country

2. Author(s)

 Kees Klein Goldewijk & Jonathan Fink-Jensen, Utrecht University

3. Production date

 2014-11-12.

4. Version

 1

5. Variable group(s)

 Environmental sustainability

6. Variable(s)

 Silver mine production, in metric tons

7. Unit of analysis

 Country

8. Keywords (5)

 Silver, Mine production, Ag

9. Abstract (200 words)

Silver has been used for thousands of years as ornaments and utensils, for trade, and as the basis for many monetary systems. Of all the metals, pure silver has the whitest color, the highest optical reflectivity, and the highest thermal and electrical conductivity. Also, silver halides are photosensitive. Owing to the above properties, silver has many industrial applications such as in mirrors, electrical and electronic products, and photography, which is the largest single end use of silver. Silver's catalytic properties make it ideal for use as a catalyst in oxidation reactions; for example, the production of formaldehyde from methanol and air by means of silver screens or crystallites containing a minimum 99.95 weight-percent silver.

10. Time period

 1681 -2012

11. Geographical coverage

 Worldwide

12. Methodologies used for data collection and processing

Data inventory

13. Data quality

 Good

14. Date of collection

 -

15. Data collectors

 BGS, Mitchell, Schmitz, USGS.

16. Sources

* BGS, British Geological Survey. https://www.bgs.ac.uk/
* Mitchell, B.R., *International Historical Statistics – Africa, Asia & Oceania 1750-1993* (London, 1998).
* Mitchell, B.R., *International Historical Statistics – Europe* (London, 1998).
* Mitchell, B.R., *International Historical Statistics – The Americas 1750-1993* (London, 1998).
* Schmitz, Christopher J., *World Non-Ferrous Metal Production and Prices, 1700-1976* (London, 1979).
* <http://minerals.usgs.gov/minerals/pubs/commodity/silver/>