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

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

1. Title

 Copper mining production by decade and country

2. Author(s)

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3. Production date

 2014-11-1.

4. Version

 1

5. Variable group(s)

 Environmental sustainability

6. Variable(s)

 Copper mine production, in thousand metric tons

7. Unit of analysis

 Country

8. Keywords (5)

 Copper, Mine production, Cu

9. Abstract (200 words)

*Copper is usually found in nature in association with sulfur. Pure copper metal is generally produced from a multistage process, beginning with the mining and concentrating of low-grade ores containing copper sulfide minerals, and followed by smelting and electrolytic refining to produce a pure copper cathode. An increasing share of copper is produced from acid leaching of oxidized ores. Copper is one of the oldest metals ever used and has been one of the important materials in the development of civilization. Because of its properties, singularly or in combination, of high ductility, malleability, and thermal and electrical conductivity, and its resistance to corrosion, copper has become a major industrial metal, ranking third after iron and aluminum in terms of quantities consumed. Electrical uses of copper, including power transmission and generation, building wiring, telecommunication, and electrical and electronic products, account for about three quarters of total copper use. Building construction is the single largest market, followed by electronics and electronic products, transportation, industrial machinery, and consumer and general products. Copper byproducts from manufacturing and obsolete copper products are readily recycled and contribute significantly to copper supply.*

Source: <http://minerals.usgs.gov/minerals/pubs/commodity/copper/>

10. Time period

 1700-2012

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

British Geological Survey (BGS)

Metallgesellschaft

[U.S.](http://www.doi.gov/) Bureau of Mines, [U.S. Geological Survey](http://www.usgs.gov/) (USGS)

16. Sources

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