

of issues in the field of geoethics and climate engineering. More about IAPG affiliations and agreements: <http://www.geoethics.org/affiliations-agreements>.

More news on the IAPG: <http://www.geoethics.org>

## 10. “Anniversaries”: The geologist’s hammer: tool, instrument and badge — 180 years ago

By Marianne Klemun, Professor of History of Science, Department of History, University of Vienna, Austria; INHIGEO Secretary-General, 2016–2020 ([Marianne.klemun@univie.ac.at](mailto:Marianne.klemun@univie.ac.at))



Figure A: Austrian geologists (Hauer, Suess, Stache) with their hammers, by permission of the Geological Survey Vienna [Geologische Bundesanstalt].

Although the hammer has a long history in civilisation, the “geologist’s hammer” was only born when field science and geology came into being together, and this happened at the end of the 18th century. Manuals written by geologists appeared in which the ideal shape of the geologist’s hammer was explained. One of these instruction books was written by the German scholar Karl Cäsar von Leonhard (1779–1862) under the title *Agenda geognostica: Handbook for travelling mountain researchers and guidelines for lectures on applied geognosy*, which was printed in 1838 in German, 180 years ago.

Fuller details are available on:

[http://iugs.org/uploads/Reports/Anniversaries\\_INHIGEO\\_The\\_geologist\\_s\\_hammer.pdf](http://iugs.org/uploads/Reports/Anniversaries_INHIGEO_The_geologist_s_hammer.pdf)



Figure B: Eduard Suess (1831-1914) with his hammers in the Department of Geology (Vienna), by permission of the Geological Survey Vienna.