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Cover Strombolian activity of the Voragine crater at Mt. Etna taken on June 26, 2024 (photo M. Viccaro) | *In copertina Attività stromboliana al cratere Voragine del Mt. Etna ripresa il 26 Giugno 2024 (foto M. Viccaro).*

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# Science and iconography in Der Aetna by Sartorius von Waltershausen

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Sartorius' work is the most important product of the geological studies (in particular the stratigraphic and mineralogical ones) on Etna in the 19th century, and all this is well demonstrated by the fact that these researches culminated in the first geological map of a volcano at world. Unfortunately, the sudden death of Sartorius prevented him from completing the work which represents the sum of forty years of research on Etna carried out during long stays in Sicily. The work of Der Aetna was published posthumously in 1880 based on the manuscripts of Sartorius, profoundly revised and integrated by Arnold von Lasaulx. Therefore, if it is true that Sartorius' Der Aetna represents a watershed compared to the scientific production that preceded it, it is equally true that its impact on the studies of the time was very limited by the language in which the work was written. Nonetheless, it fits fully into the great eighteenth-nineteenth century debate on the genesis of volcanoes which saw the contrast between the supporters of the theory of uplift craters and those of external accumulation and does so by examining one of the most active volcanoes in 'Europe. On the whole, the data presented in this work they were absolutely original for the time, as regards the complex structure of the volcanic edifice and its evolution, the development in time and space of the individual eruptive manifestations, the characterization of the various products, both on the basis of field observations and analytical data in the laboratory. This contribution, starting from the first Italian translation of the second volume of Der Aetna, therefore intends to analyze the most salient scientific aspects of the work, exposed above all in this part of the work, and its iconographic apparatus, starting from the Atlas des Aetna, 1845–1861, placing it in the context of the time and highlighting its innovative character compared to the previous iconography of earth sciences, as well as its contribution to the development of a new iconography dedicated to volcanology and, specifically, to the Sicilian volcano.