Response to Reviewer 1 Comments

**Point 1:** This paper aims to present a detailed petro-architectonic survey and a minero petrographic characterization of the Chianocco Marble and to outline the causes of its degradation. Authors attempted to explain the provenance and conservation state of the Palazzo Madama’s façade in Turin through a minero-petrographic study. While the findings of their study highlight some interesting details concerning the Palazzo Madama as a UNESCO world heritage site, there is still room to discuss how these findings can contribute to the development of a geological approach for the conservation of cultural world heritage sites (considering the nature of selected case study). Furthermore, the credibility of such an approach may enhance by comparing the results of Palazzo Madama’s façade with other relevant cases in Italy, like Tivoli or Livorno.

**Response 1:** One of the purpose of this article consist in highlight that the peculiar vacuolar structure and local reddenings of Chianocco marble, usually absent in ornamental marbles, are primary features of the rock itself and are not due to degradation in an urban context (line 371).