## **RESPONSE TO "REMARKS FROM THE PRECEDING REVIEW FILE VALIDATION"**

# **Comment:**

"I noticed that your figure 1 contains maps and aerials. For the next revision, I kindly ask you to clarify whether you have created the maps or were they created by a map provider? If the maps were not created by you, please provide in your revised file that the copyright is denoted in the figure itself. If this is not possible, please provide it in the caption. Please see the section "Manuscript composition" in our manuscript preparation guidelines: https://publications.copernicus.org/for authors/manuscript preparation.html"

#### **Response:**

In Figure 1, we used Open Street Map as base maps. Also, we used high resolution optical images from MAXAR in the insets (i) and (ii). In Figure 3 we used MAXAR imagery. As suggested, we included the credits in the updated version of the manuscript.

## Changes in manuscript:

Figure 1:

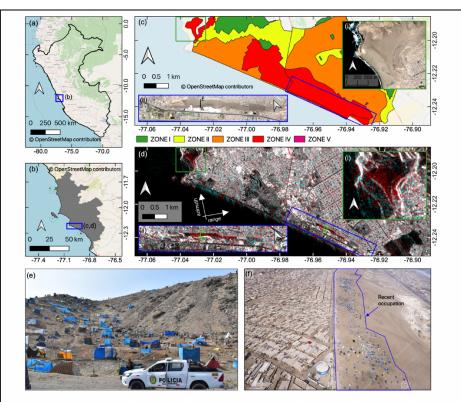


Figure 1. Location of the study area. (a) Location of Metropolitan Lima (blue rectangle) within Peru. (b) Location of the study area (blue rectangle) within Metropolitan Lima, which is partly located in the districts of Chorrillos and Villa el Salvador. (c) Seismic microzonation of the study area. The green rectangle denotes the location of inset (i), the Morro Solar. The blue rectangle denotes the location of the inset (ii), the Lomo de Corvina. Basemap of insets: MAXAR imagery. (d) Color composite of SAR backscattering intensity images. Red band: image recorded on April 14, 2021; Green and blue band: image recorded on December 03, 2020. (e) Photograph of the squatter settlement in Morro Solar recorded by Gestion (2021). (f) Photograph of the squatter settlement in Lomo de Corvina (modified from Inga (2021)).

# Figure 3:



Figure 3. Sentinel-1 SAR-based map of the recent informal settlement in Morro Solar (a), and Lomo de Corvina (b). Basemaps: MAXAR imagery