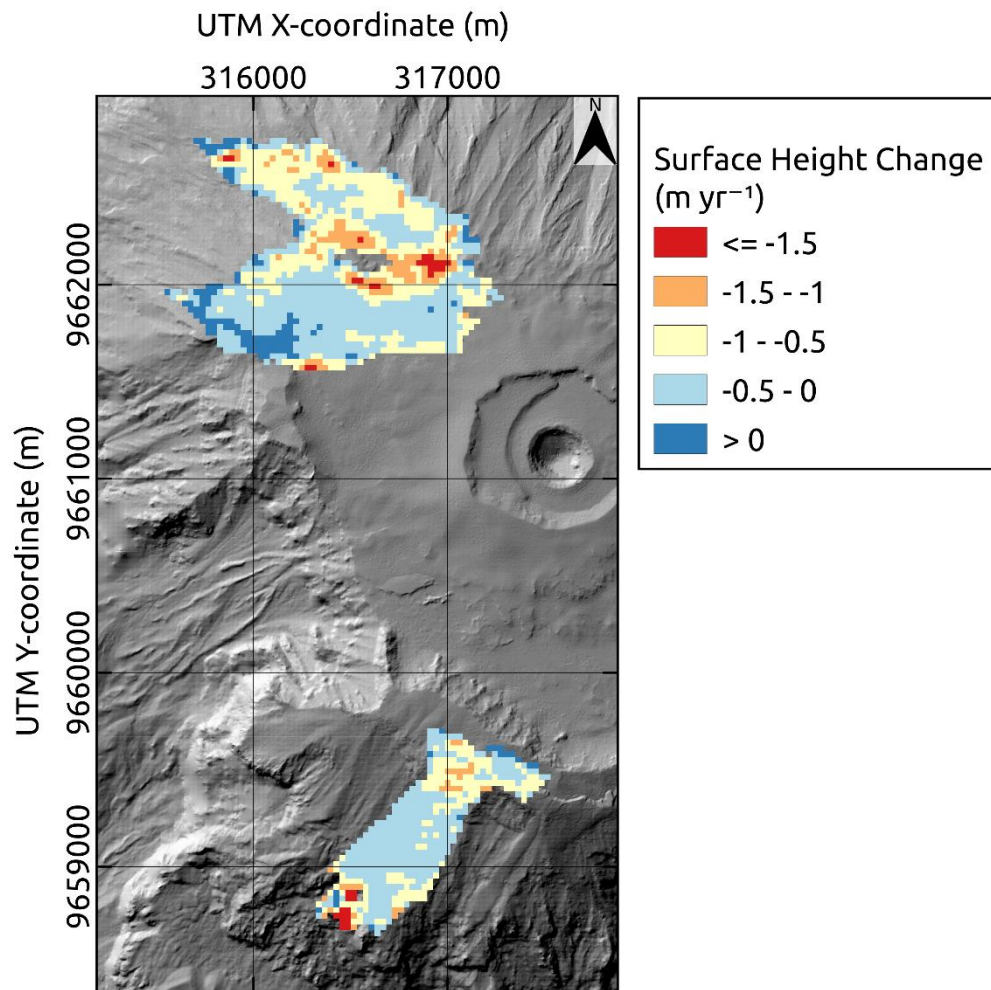
Supplementary Figure 1: Spatial distribution of the mean annual surface mass balance (kg m^{-2}) from 2005-2013 generated with the distributed, physically-based MB model by Mölg et al. (2008, 2009a). Background: hillshade of the KILISoSDEM (Sirguey and Cullen 2013).

Supplementary Figure 2: Spatial distribution of mean annual surface height change (m) from 2000-2011. The mean annual surface height change was generated from the difference between the SRTM DEM (2000) and the TanDEM-X DEM (2011). Background: hillshade of the KILISoSDEM (Sirguey and Cullen 2013).