

approximately -9 kg/ha. Moreover, this variation is expected to show significant geographic diversity: while most output density hotspots are expected to decrease by up to -200 kg/ha, an opposite trend is predicted in the Puebla region, with increases of up to +200 kg/ha in some areas. This exception in trends in Puebla serves as a critical differentiator between the two scenarios: it is more pronounced under the RCP2.6 scenario, driving the average output density upwards, whereas it is less pronounced under the RCP8.5 scenario, pushing the average output density towards a decrease.

Comparatively, in Mexico overall, the output density of coffee is expected to decrease under both scenarios, by approximately -6 kg/ha under RCP2.6 and -9 kg/ha under RCP8.5.

Figure 2 – Expected change in coffee output density in the BALSAS project area under the RCP2.6 scenario (2041-2070)

Data source: GAEZ Data Portal (FAO) (<https://gaez.fao.org/pages/data-viewer-theme-4>)

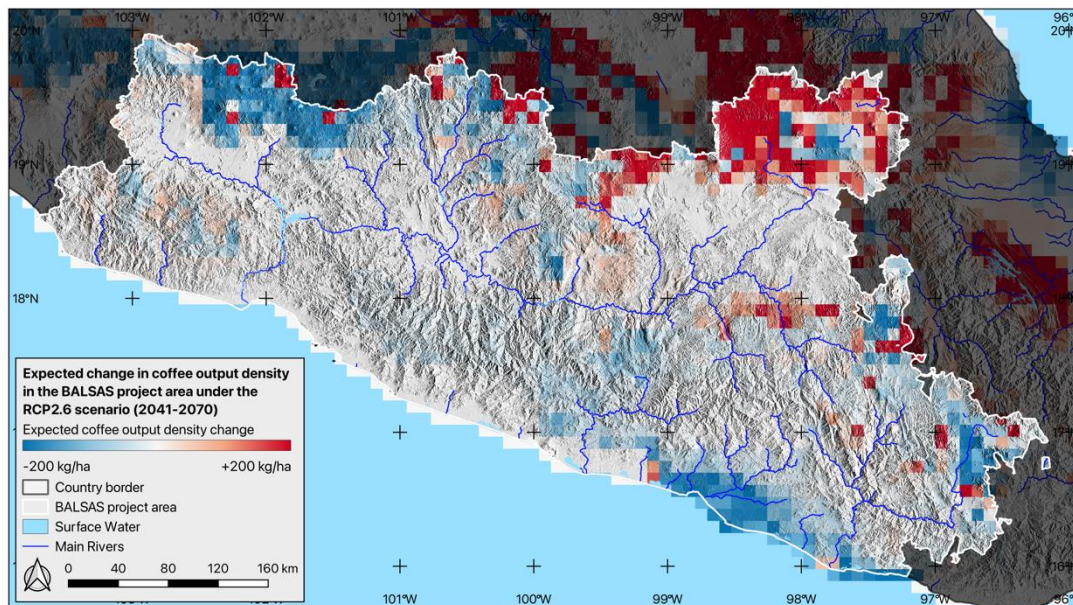


Figure 3 - Expected change in coffee output density in the BALSAS project area under the RCP8.5 scenario (2041-2070)

Data source: GAEZ Data Portal (FAO) (<https://gaez.fao.org/pages/data-viewer-theme-4>)

