

## Exploration of land-cover changes using GlobeLand30 (2000-2010) at the national level in Mexico

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This study explored the Land Cover (LC) and LC transitions at national level in Mexico using the GlobeLand30 (GL30) land cover 30 meter resolution data sets for the years 2000 and 2010. This information was contrasted against the results of previous national level Land Cover (LC)/LC Change (LCC) studies and land cover/use digital data sets. According to GL30, wetlands and barelands have had the largest decreases in their areas during the 2000-2010 period (-13.33% and -9.26% respectively), while artificial surface and grasslands have had the largest increases (7.38% and 4.00%, respectively). Cultivated land (1.88%), forest (-0.47%), shrublands (-1.04%) and water bodies (-1.21%) show low changes during the 2000-2010 period. From the GL30 estimates of LC extent and percent change, those for the forest and cultivated classes were the most similar to those estimates reported in previous studies. The estimates for other LC classes show low agreement with previous studies and with