

ESTIMATING EMISSIONS FROM AGRICULTURE AND NATURE

Summary

Base Year: 2008

Estimated and aggregated (at 1-km² spatial resolution) 2008 datasets for atmospheric emissions from agricultural and natural sources were obtained from the 2007 National Atmospheric Emissions Inventory data and then reclassified (as Agricultural and Natural Emissions sources) and integrated into the LAEI 2008.

Projection Years: 2011 and 2015

Because of the lack of representative and reliable projection factors, projection of atmospheric emissions from agricultural and natural sources to 2011 and 2015 were not undertaken; instead projections of atmospheric emissions from agricultural and natural sources to 2011 and 2015 were basically assumed to be the same as those in the LAEI 2008.

2008 emission estimation methodology: (Same as the LAEI 2006 methodology)

Estimated and aggregated (at 1-km² spatial resolution, covering the entire LAEI study area) 2008 datasets for atmospheric emissions from agricultural soils, agricultural livestock, agricultural power units, agricultural stationary, domestic-house gardens, incineration animals, wood impregnation, forests and landfill sources were obtained from the 2007 NAEI, which is maintained by AEA.

For the purpose of the LAEI 2008, the various agricultural and natural emission estimates obtained from the 2007 NAEI were then reclassified into two major categories: Agricultural (i.e., agricultural soils, agricultural livestock, agricultural power units, agricultural stationary, domestic-house gardens, incineration animals and wood impregnation) and Natural (i.e., forests and landfills). Atmospheric emissions of specific pollutants from each sector were then analysed, aggregated and integrated into the LAEI 2008.