Brazil’s Domestic Mitigation Actions
Before 2020

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Ministry of Environment
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<th>Mitigation Plans</th>
<th>Actions Informed to Parties to the UNFCCC after COP 15</th>
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<tr>
<td>Action Plan for the Prevention and Control of Deforestation in the Legal Amazon (PPCDAm) – Ministry of Environment</td>
<td>80% reduction in annual deforestation rates in the Amazon in comparison to the average of 1996-2005</td>
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<tr>
<td>Action Plan for the Prevention and Control of Deforestation in the Cerrado (PPCerrado) – Ministry of Environment</td>
<td>40% reduction in annual deforestation rates in the Cerrado biome in comparison to the average of 1999-2008</td>
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<tr>
<td>Decennial Energy Plan (PDE) – Ministry of Mines and Energy</td>
<td>Supply expansion of hydroelectric and alternative renewable sources, especially wind power, small hydro and bio-electricity, biofuels, and increase in energy efficiency</td>
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<td>Low Carbon Agriculture Plan (ABC Plan) – Ministry of Agriculture, Livestock and Food Supply; and Ministry of Agrarian Development</td>
<td>Recovery of 15 million hectares of degraded pastures; Expansion of integrated crop-livestock-forest systems in 4 million hectares; Expansion of direct seeding practice in 8 million hectares; Expansion of biological nitrogen fixation in 5.5 million hectares of farmland, replacing the use of nitrogen fertilizers; Expansion of plantation forests in 3 million hectares; Expansion of technologies for treating 4.4 million m³ of animal waste.</td>
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<td>Steel Mill Plan – Ministry of Development, Industry, and Foreign Trade</td>
<td>Increase in the use of charcoal in iron and steel production originated from planted forests, and improve the efficiency of the carbonization process</td>
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<th>Additional Mitigation Plans</th>
<th>Additional Domestic Actions under the National Climate Change Law</th>
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<td>Industry Plan (Aluminum, Lime, Cement, Iron and Steel, Chemical, Pulp and Paper, and Glass) – Ministry of Development, Industry, and Foreign Trade</td>
<td>5% reduction regarding the projected GHG emissions by 2020; Gradual establishment of a MRV system</td>
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<td>Low Carbon Mining Plan – Ministry of Mines and Energy</td>
<td>Energy source shift; Use of new technologies</td>
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<tr>
<td>Transportation and Urban Mobility Plan – Ministry of Transport; and Ministry of Cities</td>
<td>Cargo modal shift; Growth of public transportation systems</td>
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(CGEE, 2013)
National Results
(MtCO$_2$e/ GWP 100 - AR5)

Total GHG emissions in 2010 is **60.6%** below to the projected emissions by 2020.

**Energy**
- 194 MtCO$_2$e in 1990
- 235 MtCO$_2$e in 1995
- 303 MtCO$_2$e in 2000
- 332 MtCO$_2$e in 2005
- Projected 403 MtCO$_2$e in 2020

**Industry and waste**
- Projected 877 MtCO$_2$e in 2020

**Agriculture**
- Projected 1,427 MtCO$_2$e in 2020

**LULUCF**
- 830 MtCO$_2$e in 1990
- 1,979 MtCO$_2$e in 1995
- 1,345 MtCO$_2$e in 2000
- 1,187 MtCO$_2$e in 2005
- 286 MtCO$_2$e in 2010

(Mendes, 2014)
Data: (MCTI, 2013) and (IPCC, 2013)
Total GHG emissions in 2010 is **65.1%** below to the projected emissions by 2020

Energy: 54%

Agriculture: 39%

Industry and waste: 45%

LULUCF: 81%

(Mendes, 2014)

Data: (MCTI, 2013) and (IPCC, 2013)
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