

*STEPPING UP TO THE CHALLENGE:  
DOMESTIC CLIMATE ACTION AND CARBON PRICING INSTRUMENTS*

***Brazil's Domestic Mitigation Actions  
Before 2020***

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Ministry of Environment***



MITIGATION PLANS <sup>4</sup>	ACTIONS INFORMED TO PARTIES TO THE UNFCCC AFTER COP 15
Action Plan for the Prevention and Control of Deforestation in the Legal Amazon (PPCDAm) – Ministry of Environment	80% reduction in annual deforestation rates in the Amazon in comparison to the average of 1996-2005
Action Plan for the Prevention and Control of Deforestation in the <i>Cerrado</i> (PPCerrado) – Ministry of Environment	40% reduction in annual deforestation rates in the <i>Cerrado</i> biome in comparison to the average of 1999-2008
Decennial Energy Plan (PDE) – Ministry of Mines and Energy	Supply expansion of hydroelectric and alternative renewable sources, especially wind power, small hydro and bio-electricity, biofuels, and increase in energy efficiency
Low Carbon Agriculture Plan (ABC Plan) – Ministry of Agriculture, Livestock and Food Supply; and Ministry of Agrarian Development	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 m <sup>3</sup> of animal waste.
Steel Mill Plan – Ministry of Development, Industry, and Foreign Trade	Increase in the use of charcoal in iron and steel production originated from planted forests, and improve the efficiency of the carbonization process

ADDITIONAL MITIGATION PLANS <sup>5</sup>	ADDITIONAL DOMESTIC ACTIONS UNDER THE NATIONAL CLIMATE CHANGE LAW
Industry Plan (Aluminum, Lime, Cement, Iron and Steel, Chemical, Pulp and Paper, and Glass) – Ministry of Development, Industry, and Foreign Trade	5% reduction regarding the projected GHG emissions by 2020 Gradual establishment of a MRV system
Low Carbon Mining Plan – Ministry of Mines and Energy	Energy source shift Use of new technologies
Transportation and Urban Mobility Plan – Ministry of Transport; and Ministry of Cities	Cargo modal shift Growth of public transportation systems

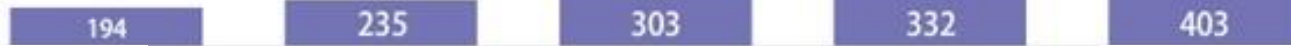
(CGEE, 2013)

# National Results

## (MtCO<sub>2</sub>e/ GWP 100 - AR5)

Total GHG emissions in 2010 is  
60,6%  
 below to the projected emissions by 2020

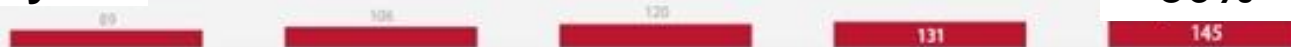
Energy



54%



Industry and waste



36%

Agriculture



40%



LULUCF



80%



1990

1995

2000

2005

2010

2020 (Decreto 7390)

(Mendes, 2014)  
 Data: (MCTI, 2013)  
 and (IPCC, 2013)

# National Results

## (MtCO<sub>2</sub>e/ GTP 100 - AR5)

Total GHG emissions in 2010 is  
65,1% below to the projected  
emissions by 2020

Energy

184

226

294

319

389

842

54%

Industry and waste

70

80

87

45%

170

Agriculture

119

133

138

166

178

292

39%

LULUCF

779

1 876

1 272

1 120

262

1 346

81%

1990

1995

2000

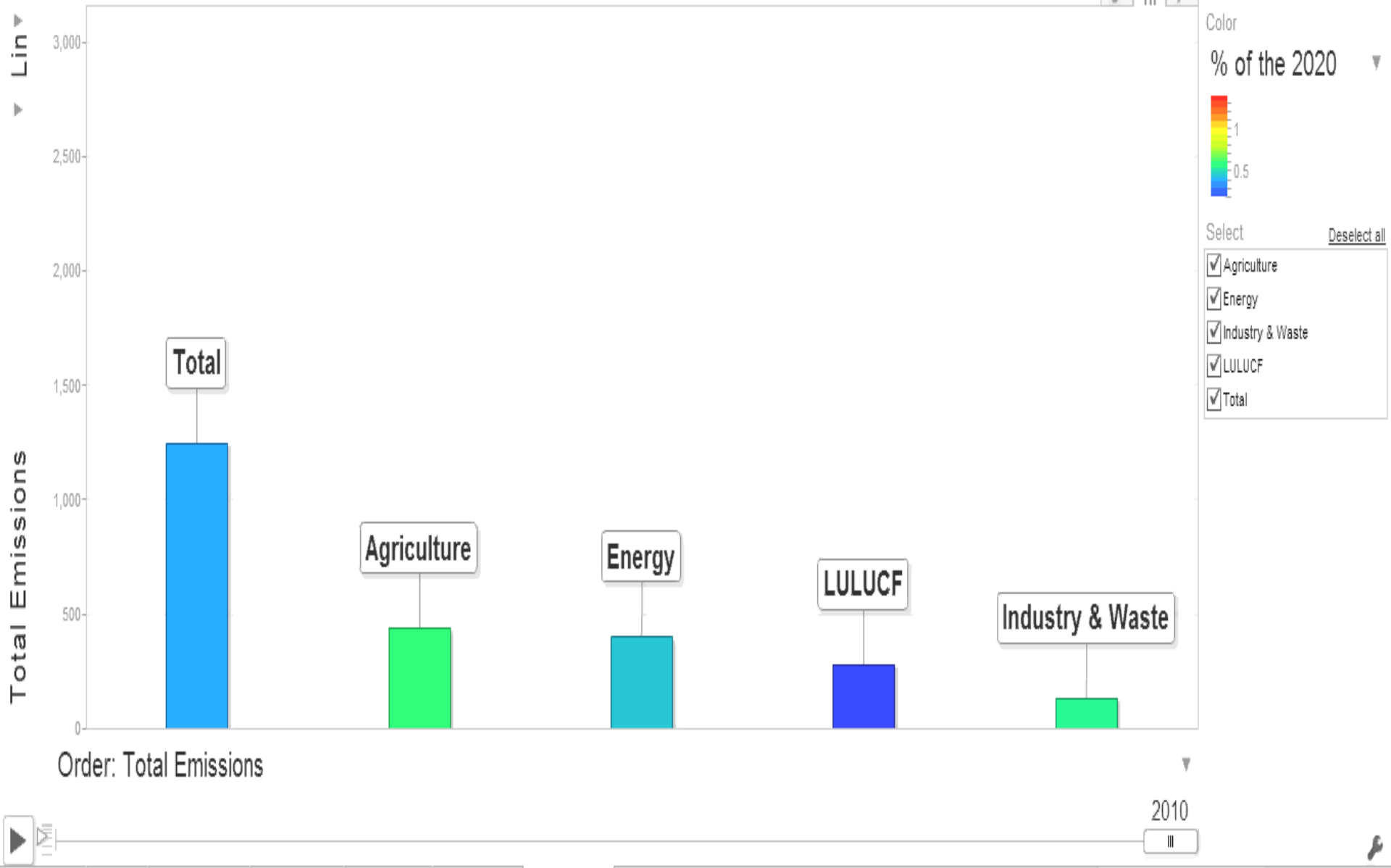
2005

2010

2020 (Decreto 7390)

(Mendes, 2014)  
Data: (MCTI, 2013)  
and (IPCC, 2013)

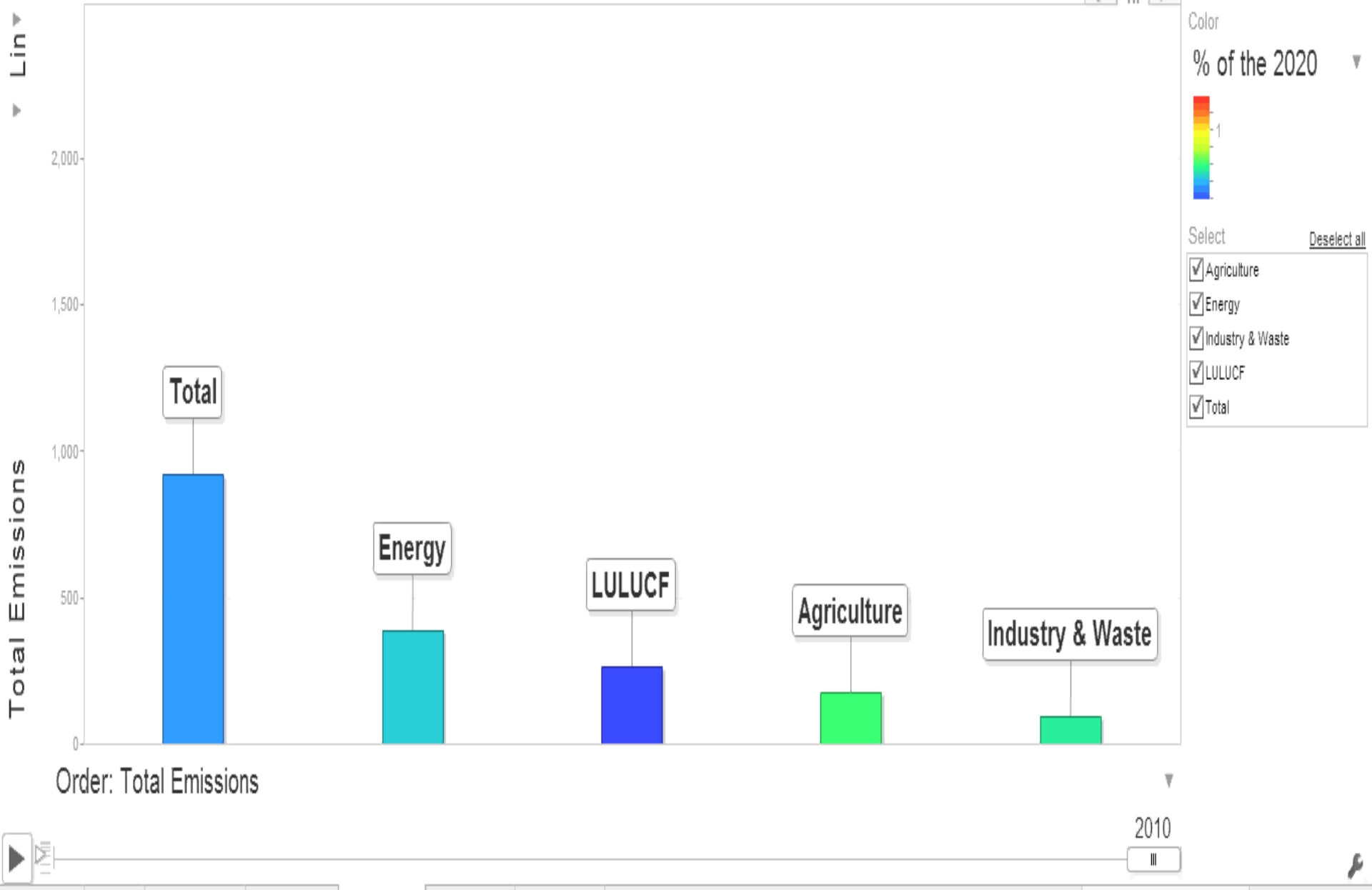




(Mendes, 2014)  
Data: (MCTI, 2013)  
and (IPCC, 2013)

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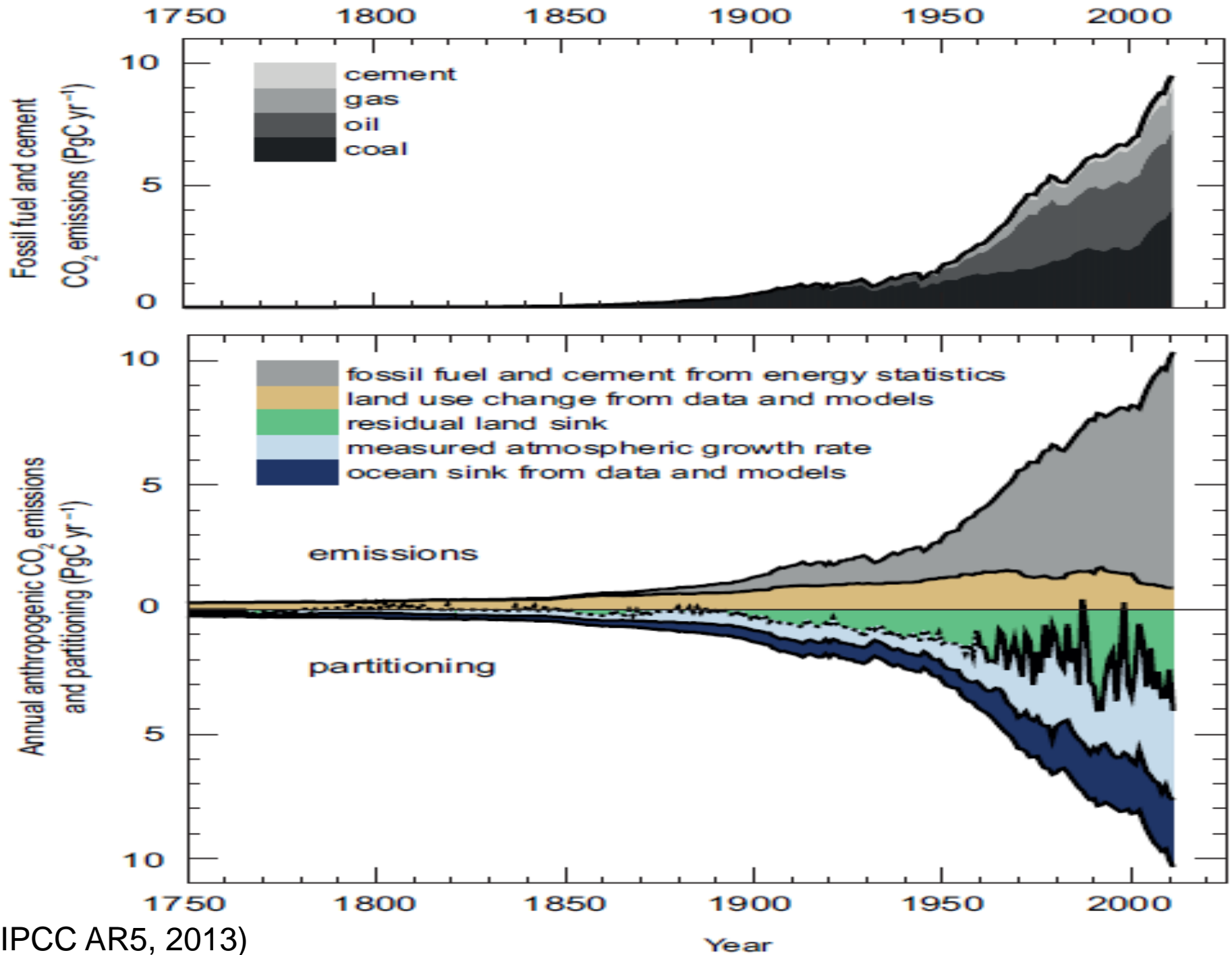
GOVERNO FEDERAL  
**BRASIL**  
PAÍS RICO É PAÍS SEM POBREZA



(Mendes, 2014)  
Data: (MCTI, 2013)  
and (IPCC, 2013)

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(IPCC AR5, 2013)

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