

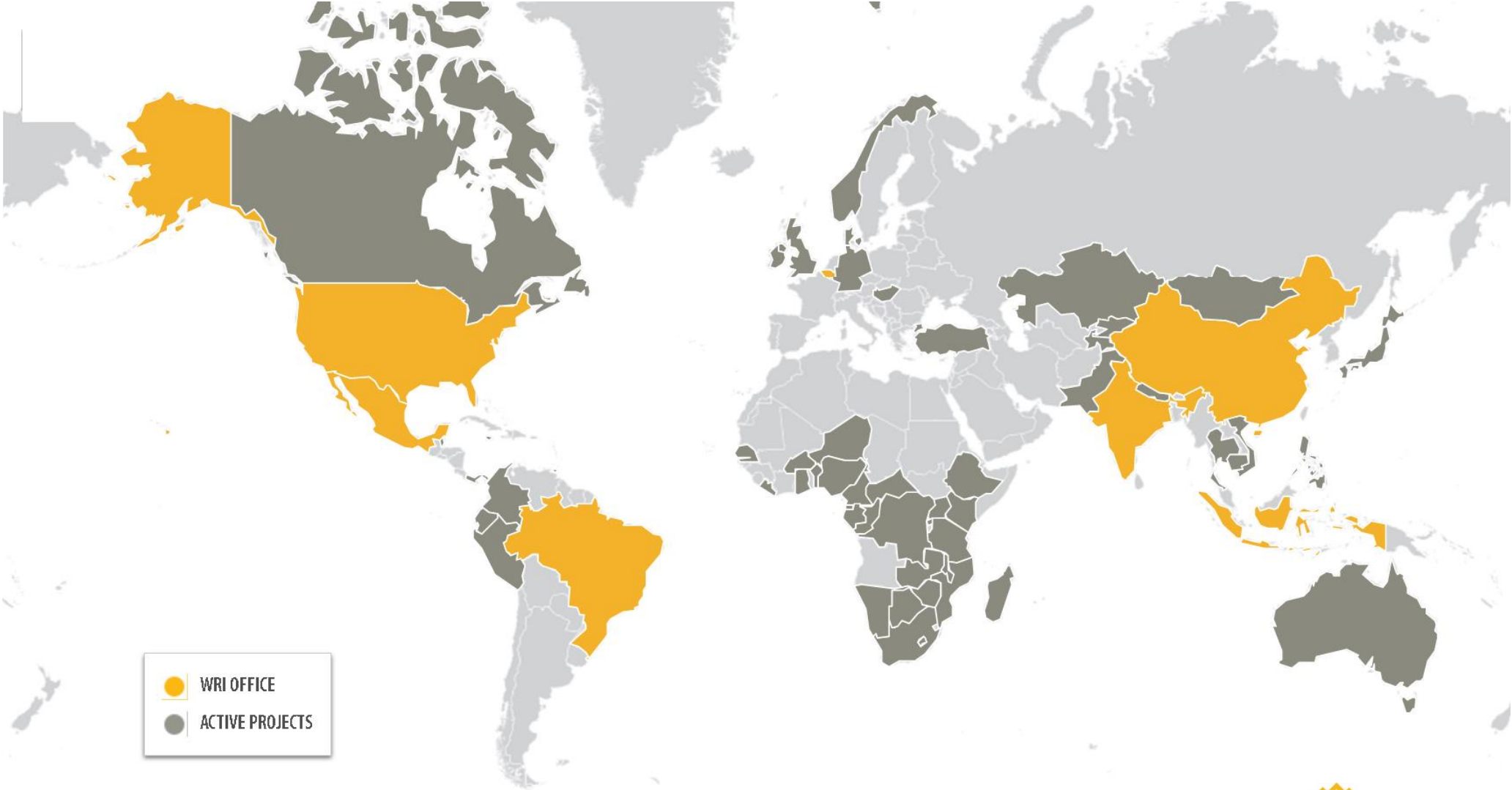


---- WORKSHOP ON ENERGY MODELS AND APPLICATIONS ----

NGOs on public discussion/participation

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Climate Policy Manager
World Resources Institute – WRI Brasil

WORLD RESOURCES INSTITUTE (WRI)





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Climate

Energy

Food

Forests

Water

Sustainable Cities



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Climate

Sustainable Cities

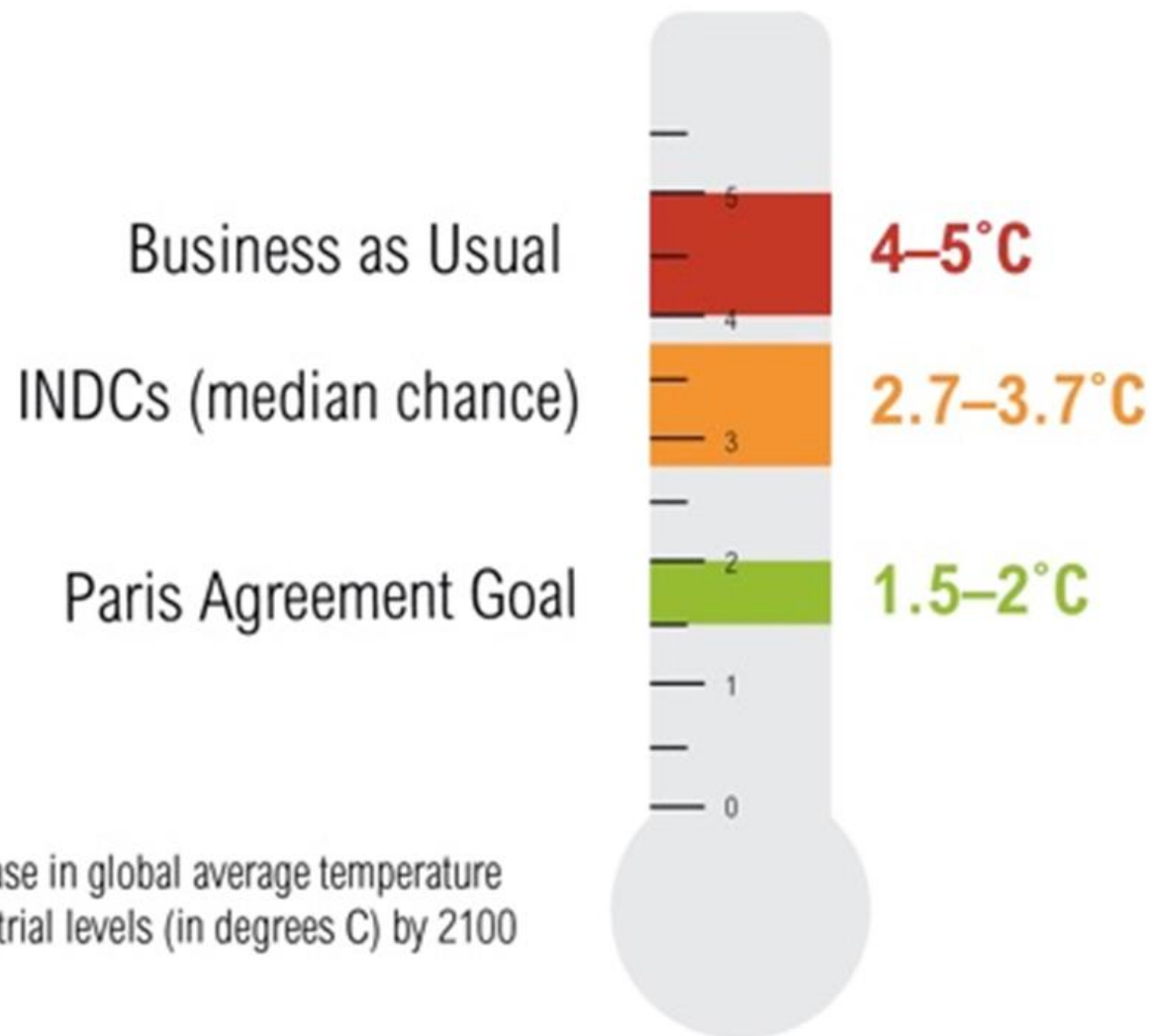
Forests



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PARIS AGREEMENT PROGRESS – BUT GREATER AMBITION NEEDED

Estimated increase in global average temperature
above pre-industrial levels (in degrees C) by 2100



PARIS AGREEMENT LOOKING AHEAD



Brazilian NDC

Absolute reduction emission target

37% by 2025 (2005 base year)	1.2 GtCO ₂ e by 2025
43% by 2030 (2005 base year)	1.3 GtCO ₂ e by 2030

Civil society's proposal

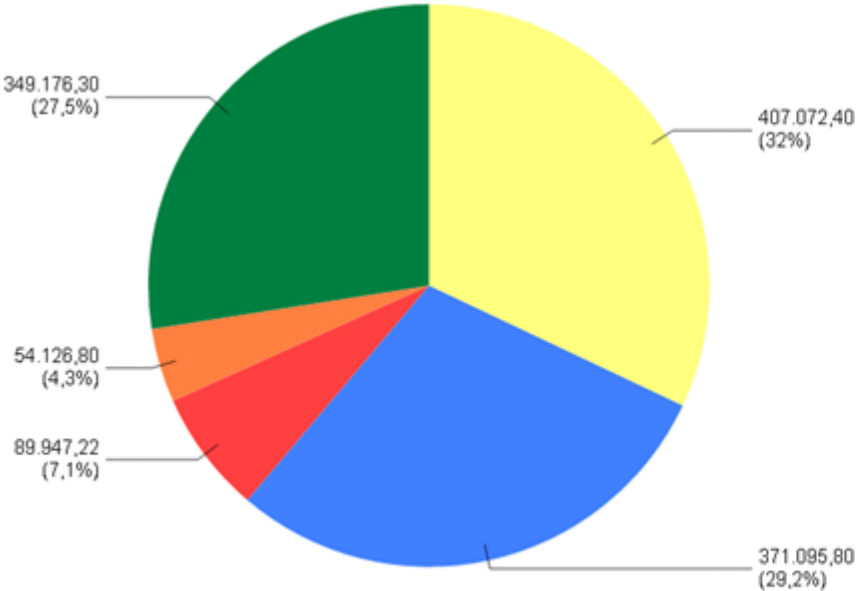
Below 1 GtCO₂e by 2030

Energy

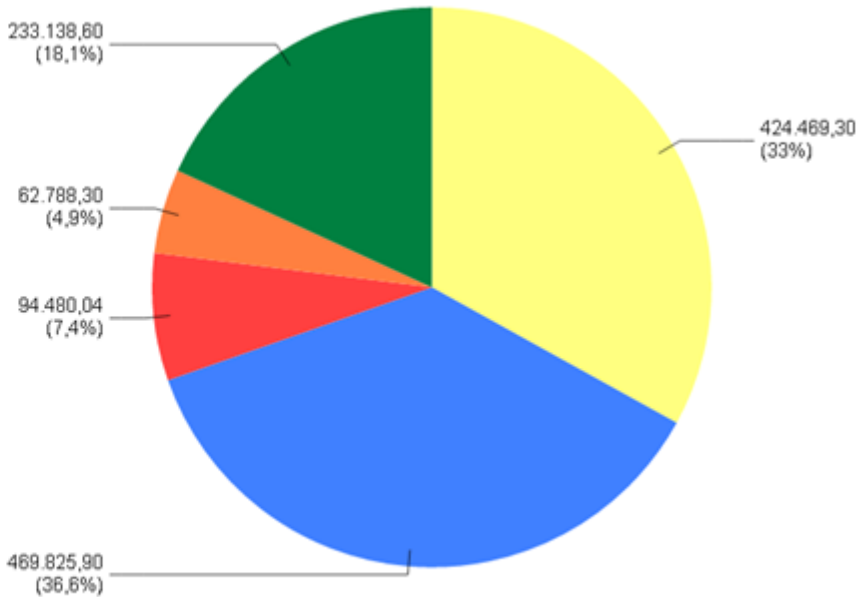
- 45% of renewables in the total energy consumption
- 19% of ethanol fuel and other sugarcane-derived biomass sources
- 89% renewables for power generation (66% hydro+23% Solar, wind, biomass)
- 10% energy efficiency

GHG Emissions in Brazil

2010



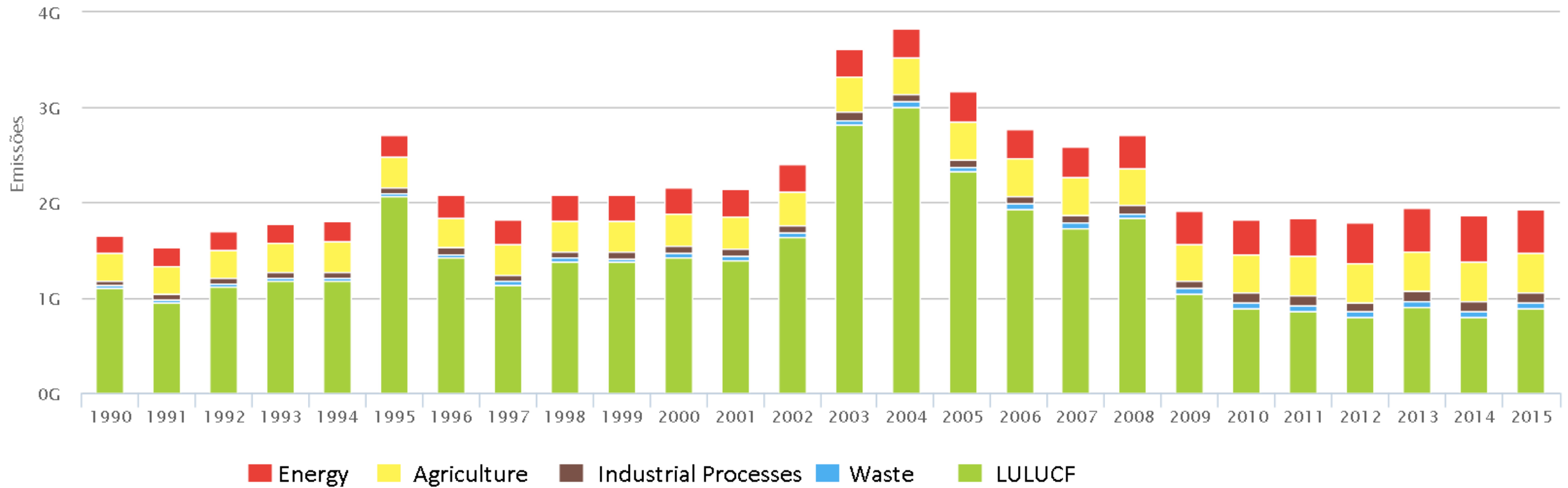
2014



Energy Agriculture Industrial Processes Waste LULUCF

Source: MCTi, 2016.

GHG Emissions in Brazil 1990-2015



Source: SEEG, 2016

WRI Energy Report



INSTITUTO DE ENERGIA E AMBIENTE
UNIVERSIDADE DE SÃO PAULO

USP
NUPPREC

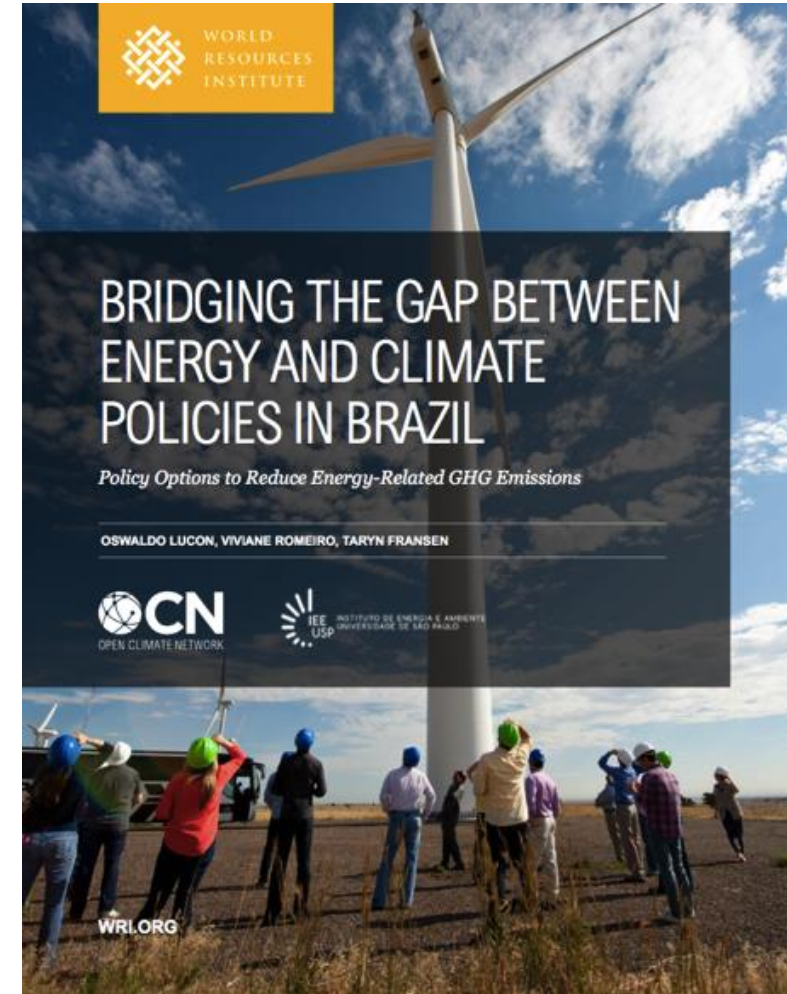
The current trajectory of Brazil's energy-related GHG emissions is not consistent with least-cost pathways to avoiding dangerous levels of climate change;

The report offers policy implementation options to reduce GHG emissions from 3 key sectors:

- Transportation
- Industry
- Power generation

It also provides recommendations to improve integration between climate and energy policies in Brazil.

http://www.wri.org/sites/default/files/bridging-the-gap-energy-climate-brazil_1.pdf

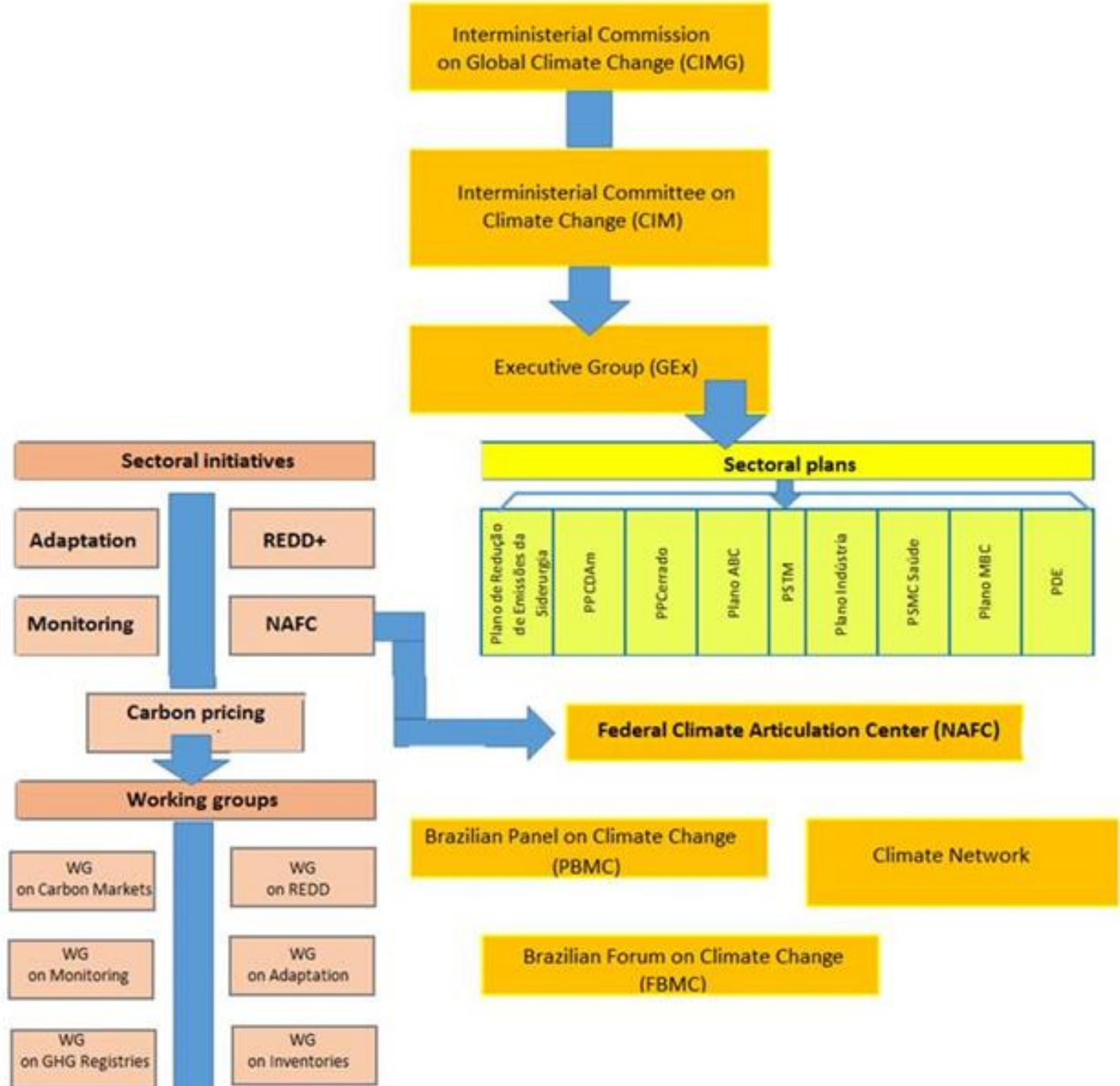


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WRI Working Paper

Tracking Climate Policy Implementation: Implications for the Brazilian NDC

Release date: March, 2017





Climate Observatory initiative



Vision: Achieve a carbon free energy matrix in Brazil by 2050.

Strategic Objective: To build a dynamic roadmap for de-carbonization of the energy sector

Specific Objectives:

To develop skills, produce and publish alternative PDEs and PNE 2050 (Shadow)

Promote an inclusive debate in Brazilian society about the directions in the energy sector

Promote the commitment of Brazil with a carbon free energy sector by 2050

Strategies to implement the Brazilian NDC

The Ministry of the Environment (MMA) just published a 275-page document that comprises key sectoral areas such as, forests, agriculture, industry, transport and the power sector, detailing strategies to reach the goals and commitments.

<http://www.mma.gov.br/images/arquivos/clima/ndc/NDCDocBase.pdf>

Deadline: March, 2017

ndcdobrasil@mma.gov.br

Thank you!

Obrigada!

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