THE GROUP OF GOVERNANCE OF CLIMATE CHANGE

QUANTIFIED PROPOSAL – BASED ON CRITERIA OF CLIMATE JUSTICE PER CAPITA - OF THE DISTRIBUTION AMONG THE UNFCCC STATE PARTIES OF THE EMISSIONS MITIGATION GLOBAL OBJECTIVE DEFINED BY SCENARIO RCP2.6 OF THE IPCC’S AR5

“THE CARBON BUDGETS THAT WILL PREVENT THE AVERAGE TEMPERATURE OF THE EARTH’S SURFACE FROM INCREASING BY MORE THAN 2°C WHEN COMPARED WITH THE TEMPERATURE OF THE PRE-INDUSTRIAL ERA”

ARMENIA, BOLIVIA, EL SALVADOR AND ETHIOPIA

...and you..., members of the “GROUP OF FRIENDS FOR STRONG MITIGATION, DISTRIBUTING GLOBAL CARBON BUDGET UNDER CLIMATE JUSTICE CRITERIA” FOR INFLUENCING THE PARIS TEXTS!

The Group of Governance of Climate Change, GGCC, of the UPC, is the secretariat of the Group of Friends!
“GLOBAL CARBON BUDGET DISTRIBUTION BASED ON CLIMATE JUSTICE”

THIS KEY IDEA HAS MADE ITS WAY INTO THE DRAFT AGREEMENT. NOW IT MUST BE INCLUDED IN THE FINAL PARIS AGREEMENT!

CSE INDIA SIDE EVENT
DECEMBER 4 – PARIS ADP2.12 - COP 21
CONTENTS

THE GLOBAL CARBON BUDGET FRAME
AND ITS DISTRIBUTION UNDER CLIMATE
JUSTICE CRITERIA...

MUST BE IN THE PARIS AGREEMENT
TEXT
CONTENTS

THE GLOBAL CARBON BUDGET FRAME AND ITS DISTRIBUTION UNDER CLIMATE JUSTICE CRITERIA...

MUST BE IN THE PARIS AGREEMENT TEXT
THE GLOBAL CARBON BUDGET FRAME

• In the “Cancun agreements” there is a political consensus:
  – *The average temperature of the Earth’s surface must not rise by more than 2°C, compared with the temperature of the pre-industrial era*

• And then, from the fifth Assessment Report, AR5, of the IPCC, we know that:
  – *From all the Representative Concentration Pathways (RCP’s) future scenarios considered, only one of them has a “likely” probability to achieve this objective: the RCP2.6 scenario.*
HOW TO DISTRIBUTE THE GLOBAL CARBON BUDGET WITH CLIMATE JUSTICE?

There are several manners to introduce an ethical concept like the “CLIMATE JUSTICE” in a computer with the aim to calculate a “fair” distribution of the “Global Carbon Budget” among the UNFCCC state parties. One of them is our Model of Climate Justice per capita (MCJ).

The MCJ has been produced with the aim of determining the total quantity of emissions, or “carbon budget”, which would be available to all the UNFCCC state parties from now until 2050 and 2100, distributing these carbon budgets according to the following criterion...
THE MODEL OF CLIMATE JUSTICE PER CAPITA (MCJ)

The MCJ treats all inhabitants of the planet equally, but taking into account the different historical responsibilities of each one of the UNFCCC state parties, insofar as emissions are concerned.

To the extent that emissions per capita of GHG are not the same, the model quantifies the historical responsibility per capita and takes it into account when determining the possible future emissions of each of the countries (less historical responsibility means more possible future emissions and vice versa).
Historical distribution of emissions

Future “Global Carbon Budget”
distribution according to our Model of Climate Justice

Carbon Budget distribution according to MCJ

- China
- United States
- EU 28
- India
- Russia
- Japan
- Iran
- Korea, Rep.
- Canada
- Saudi Arabia
- South Africa
- Mexico
- Indonesia
- Brazil
- Australia
- OA
- OLAC
- Rest of the World

• OA: Other African Countries
• OLAC: Other Latin American and Caribbean Countries
# India, case study

## Results for India of the MCJ

<table>
<thead>
<tr>
<th></th>
<th>WORLD</th>
<th>INDIA</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumulative emissions 1970-2010 (GtCO2eq)</td>
<td>1273.6</td>
<td>52.9</td>
<td></td>
</tr>
<tr>
<td>Cumulative emissions per capita (tCO2eq per capita)</td>
<td></td>
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</tr>
<tr>
<td>2010 emissions (MtCO2eq)</td>
<td>42968.1</td>
<td>2772.5</td>
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<tr>
<td>2010 emissions per capita (tCO2eq per capita)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Carbon budget 2011-2050 MCJ-RCP 2.6 (GtCO2eq)</td>
<td>1386.6</td>
<td>256.7</td>
<td></td>
</tr>
<tr>
<td>Carbon budget per capita (tCO2eq per capita)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Carbon budget 2011-2100 MCJ-RCP2.6 (GtCO2eq)</td>
<td>1831.1</td>
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<td>17.9</td>
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<tr>
<td>Carbon budget per capita (tCO2eq per capita)</td>
<td>2.2</td>
<td>2.4</td>
<td></td>
</tr>
</tbody>
</table>
India, case study
Mitigation pathway for India

![Graph showing carbon emissions trends for India, with a peak in 2050 and a reduction towards 2060, reaching a plateau around 327.6 GtCO2eq.]
The BASIC group vs ANNEX-I countries, case study

**Historical distribution of emissions**

GHG cumulative emissions 1970-2010

- **World**: 1273.6 GtCO2eq
  - **ANNEX-I**: 55.9%
  - **Rest of the World**: 24.3%
  - **BASIC**: 19.9%

**Future “Global Carbon Budget” distribution according MCJ**

Carbon Budget 2011-2050

- **World**: 1386.6 GtCO2eq
  - **ANNEX-I**: 12.5%
  - **Rest of the World**: 47.7%
  - **BASIC**: 39.8%
CONTENTS

THE GLOBAL CARBON BUDGET FRAME AND ITS DISTRIBUTION UNDER CLIMATE JUSTICE CRITERIA...

MUST BE IN THE PARIS AGREEMENT TEXT
INTRODUCTION

The GLOBAL CARBON BUDGET and the CLIMATE JUSTICE are, as concepts and proposals, in the GNT (Geneva Negotiation Text)!

Since last BONN meeting the concepts are in the current DRAFT AGREEMENT negotiations!

Mainly, thanks to Bolivia!

Today, the key point and the main goal of our presence in the COP 21 is to reinforce and empower these concepts in the PARIS negotiation and FINAL texts (AGREEMENT AND DECISIONS)!
The existent text on “Global Carbon Budget distribution based on Climate Justice”

Work of the ADP Contact Group incorporating bridging proposals by the Co-facilitators

Version of 4 December 2015@10.00

A. DRAFT AGREEMENT

Text introduced by Bolivia (with the support of the “G of F”)
Article 3 *(Mitigation)*

*Collective long-term goal*

1. **Option 1:** Parties aim [to achieve the global temperature goal], in accordance with the best available science [and the principles of the Convention], through [long-term global [low-[carbon][emission] transformation] [[climate][carbon] neutrality]], [and the peaking of their [net] emissions] [by 2030][by 20XX][as soon as possible], [with a [x]40–[y]70 per cent net emission reduction below the 2010 level by 2050][according to the global carbon budget distribution based on climate justice], and [overall reductions][[net] zero emissions] [over the course of the present century][by 2050][by 2100].]
Article 3 *(Mitigation)*

*Collective long-term goal*

1. [Parties [collectively][cooperatively] aim to reach the global temperature goal referred to in Article 2 through:

(a) [A peaking of global greenhouse gas emissions as soon as possible[, recognizing that peaking requires deeper cuts of emissions of developed countries and will be longer for developing countries]]

(b) [Rapid reductions thereafter [in accordance with best available science] to at least a X [-Y] per cent reduction in global [greenhouse gas emissions][CO2[e]] compared to 20XX levels by 2050];

(c) [Achieving zero global GHG emissions by 2060-2080]

(d) [A long-term low emissions transformation] [toward [climate neutrality][decarbonization] [over the course of this century] [as soon as possible after mid-century];

(e) [Equitable distribution of a global carbon budget based on historical responsibilities and [climate] justice]*
The existent text on “Global Carbon Budget distribution based on Climate Justice”

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B. DRAFT DECISION

Text introduced by Bolivia (with the support of the “G of F”)
III. DECISIONS TO GIVE EFFECT TO THE AGREEMENT

**Mitigation**

25. **Option 2:** [Develop modalities to implement the distribution of a global carbon budget based on climate justice, considering historical responsibilities, ecological footprint, capabilities, state of development and population;]
III. DECISIONS TO GIVE EFFECT TO THE AGREEMENT

**Mitigation**

*Collective long-term goal*

21. *Requests [X] to [Develop modalities to implement the distribution of a global carbon budget based on climate justice, considering historical responsibilities, ecological footprint, capabilities, state of development and population;]*
III. DECISIONS TO GIVE EFFECT TO THE AGREEMENT

**Mitigation**

25. **Option 2:** [Develop modalities to implement the distribution of a global carbon budget based on climate justice, considering historical responsibilities, ecological footprint, capabilities, state of development and population;]
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