

Brazilian National Adaptation Plan

Secretary of Climate Change

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4th International Climate Change Adaptation Conference

Issue 8. Risk Assessment, Adaptation Planning and Evaluation

PR8. Reducing Risks and seizing opportunities: lessons from development and implementation of business adaptation strategies.

Brazilian Ministry of the Environment: Connecting Business Adaptation Strategy with the National Adaptation Plan

10 th May, Rotterdam



Connecting Business Adaptation Strategy with the National Adaptation Plan

- 1. Vulnerability in Brazil
- 2. The Context of the National Adaptation Plan
- 3. Private Sector Participation in NAP Process
- 4. Private Sector Role in the Adaptation Agenda
- 5. Private Sector Tool and the National Adaptation Plan

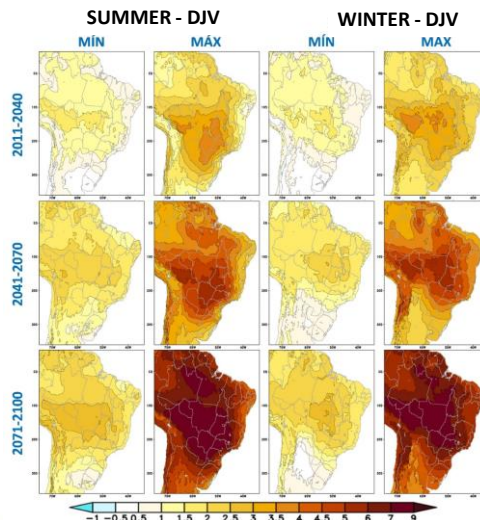


● 1. Vulnerability in Brazil

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Downscaled projections of the temperature in the future. Minimum and maximum limits are related to models Eta HadGEM2-ES e Eta Miroc, and RCP scenarios 4,5 and 8,5 to three time slices, 2011-2040, 2041-2070, 2071-2100. Grid 20X20Km (Chou et al, 2012)

Temperature is projected to increase from 2 to 8° C, with more severes increases in the central part of Brazil.

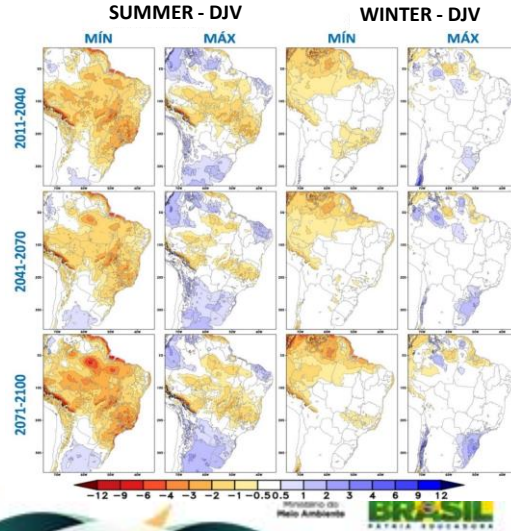


1. Vulnerability in Brazil

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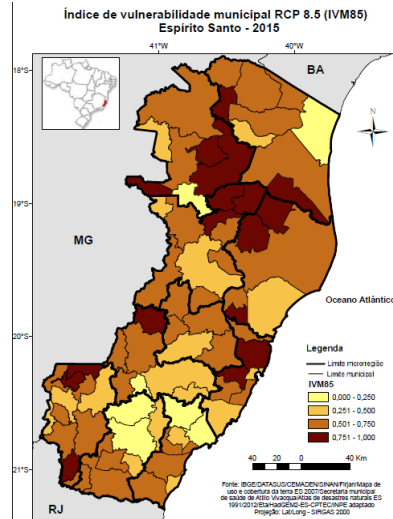
Pluvisity reduction is projected to be more severe on summer, and will affect more intensely the Midwest and Southeast Region.



1. Vulnerability in Brazil

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Population Vulnerability Index to Climate Change at Municipal Scale. Exposure + Sensibility + Adaptative Capacity = Vulnerability Emission Scenariy RCP 8,5. Grid 20X20 km. Espírito Santo State. (Confalonieri, 2015)



○ 2. Context of the National Adaptation Plan

● 3 years: 2013-2016

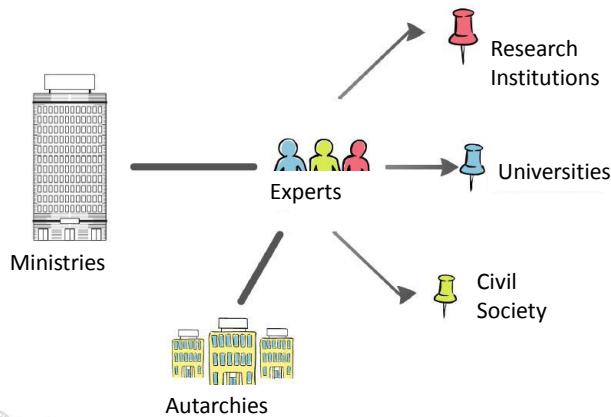
- ✓ Interministerial Working Group on Adaptation : 28 meetings
- ✓ 11 Sectors Involved/ 11 sectoral strategies.
- ✓ 13 Ministries/ 18 governmental institutions
- ✓ Brazilian Forum on Climate Change
- ✓ 6 Specialists Networks: Water, Biodiversity, Food Security, Coastal Zones, Vulnerable Population and Health
- ✓ 2 Public Consultations, 5 presencial meetings for public presentation
- ✓ 4 Expert Councils: Water, Biodiversity, Food Security, Industry,
- ✓ Scientific Community Consulted: Brazilian Panel on Climate Change, Rede Clima
- ✓ 197 Technical Meetings



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○ 2. Context of the National Adaptation Plan

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○ 2. Context of the National Adaptation Plan

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Framework

Volume I – General Approach

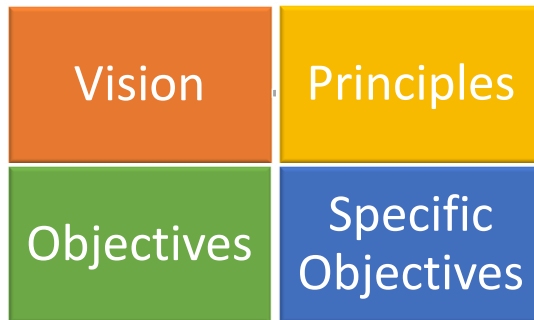
Volume II – Sectorial and Thematic Approach



○ 3. Context of the National Adaptation Plan

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Volume I – General Approach



3. Context of the National Adaptation Plan



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|---------------------|--|
| Vision | Next few years important sectors of Brazilian governmental framework develop structured vulnerability strategies – considering existing PP |
| Objectives | Management and reduction of the climate risk of the country, reduce lost and damages and seize the opportunities. |
| Principles | Vertical Coordination, horizontal coordination, Sectoral and territorial approach, most vulnerable population, mitigation and adaptation co-benefits, Scientific and traditional knowledge, Ecosystem based Adaptation, South America Cooperation. |
| Specific Objectives | Promotion and dissemination of scientific and traditional knowledge, necessary coordination between governmental institutions and its different levels and, structuring information on financing opportunities, development of a monitoring system of process and results. |



4. Private Sector Participation in NAP

Process

- Industry and Mining, Agriculture and Infra-Structure Strategies (Energy, Transport and Urban Mobility).
- Adaptation Chamber of the National Industry Confederation.
- Part of the Water Sector Network.
- UKCIP Tool for the Private Sector - MMA/FGV/UKCIP.





Agriculture

Analyze vulnerabilities; support actions to promote the resilience of agro-ecosystems; develop technology transfer; and support the revision of the Low Carbon Agriculture Plan, in particular its adaptation program, and the actions to be implemented.



Infra-structure

Present climate impacts, vulnerabilities and guidelines of the transport sectors, Urban Mobility and Energy.



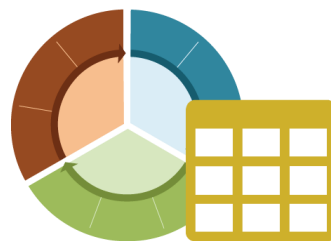
Industry and Mining

Present the basic concepts and guidelines to complement the Low Carbon Industry Mining Plan and highlight the crosscutting on necessary actions and the remaining gaps.



○ 5. Private Sector Tool and the NAP

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- GVCES/UKCIP Tool
- Offers a planning methodology to Adaptation Framework at the enterprise level,
- Encourages proactive solutions for the collection of climate change information , diagnosis of vulnerability, elaboration and prioritization of adaptation measures.



Thank you !!

Comme and visit us
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Annex of the Ministry
of the Environment

