

Presentation given at the Katoomba XV Meeting entitled

## **Integrated Solutions: Water, Biodiversity and Terrestrial Carbon in West Africa**

October 6-10, 2009

Accra, Ghana

Hosted by:

The Katoomba Group, Forest Trends,  
and the Nature Conservation Research Center



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# Forests, Climate and Carbon = UNFCCC REDD ?

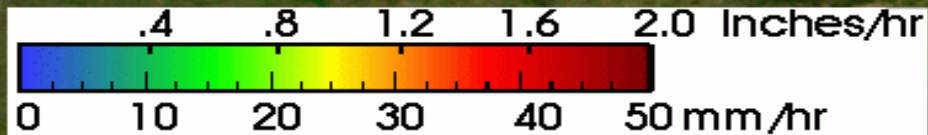
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Katoomba Meeting West Africa  
6-7 October 2009 - Accra, Ghana

the  
**katoomba**  
**group**



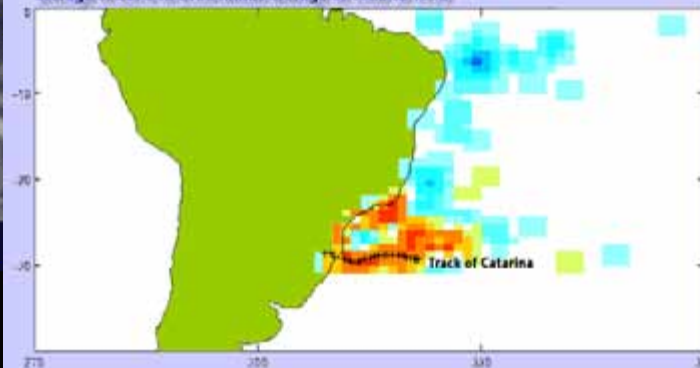


Furacão Catarina, 2005

# Brasil (2005)



Future change in tropical storm genesis,  
average of 2070 to 2100 minus average of 1960 to 1990





# Amazon (2005)

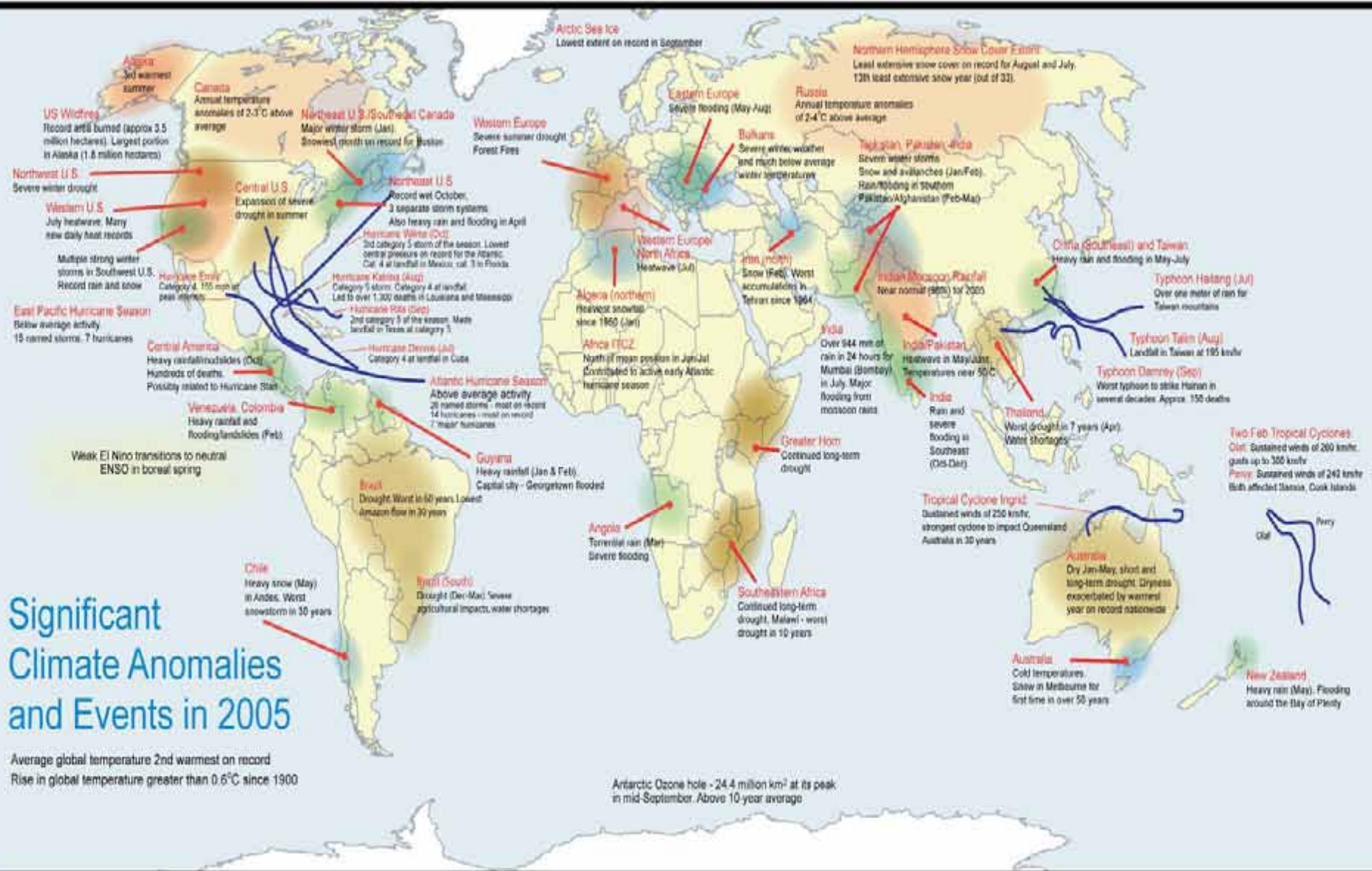




**Amazon (2005)**



# Worldwide (2005)



# In **Hot** Water





# New Orleans (2005)



Katrina



Houston(2008)



Furacão Ike (2008)

# Houston(2008)

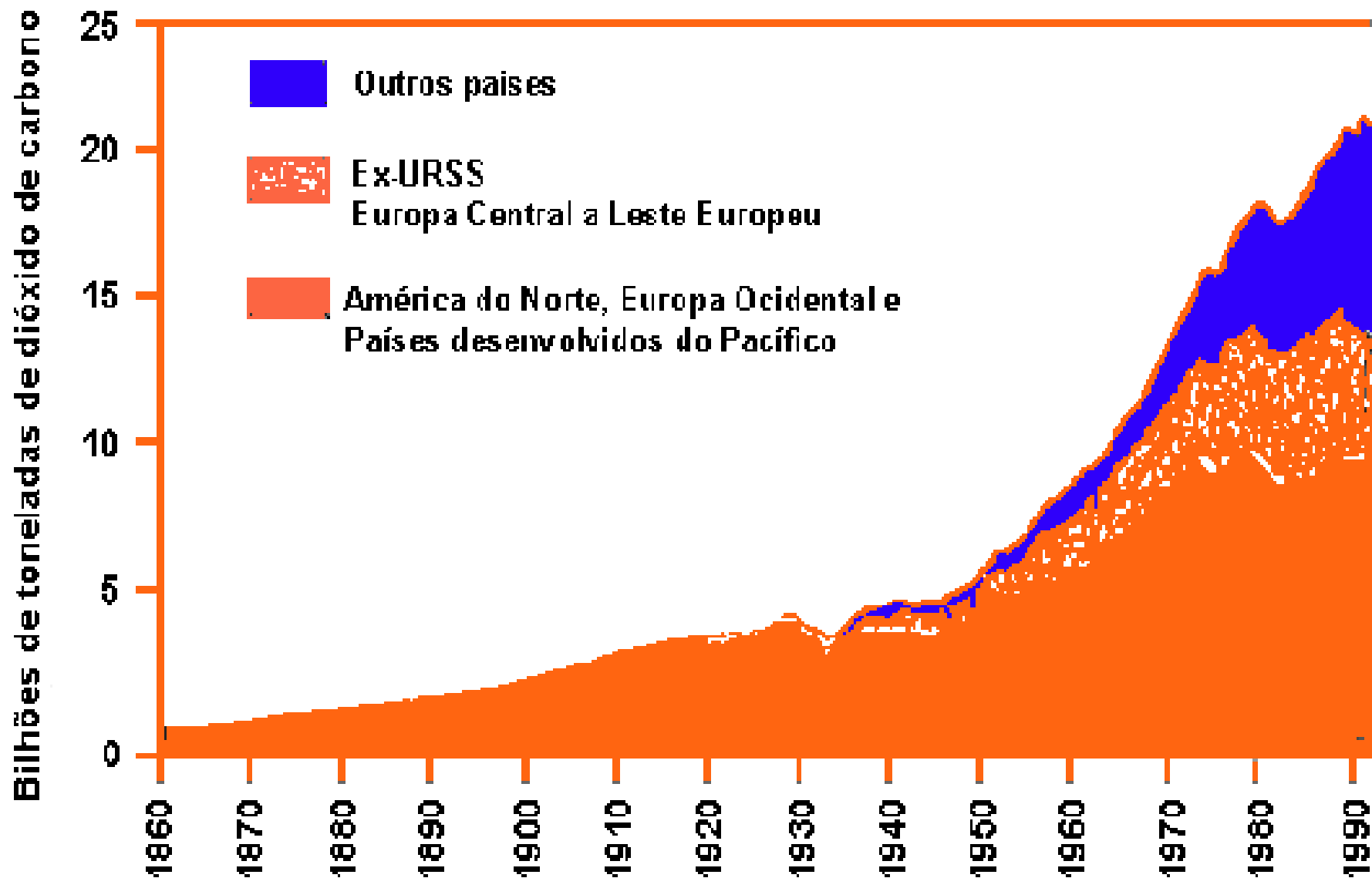


# Kenya (2009)



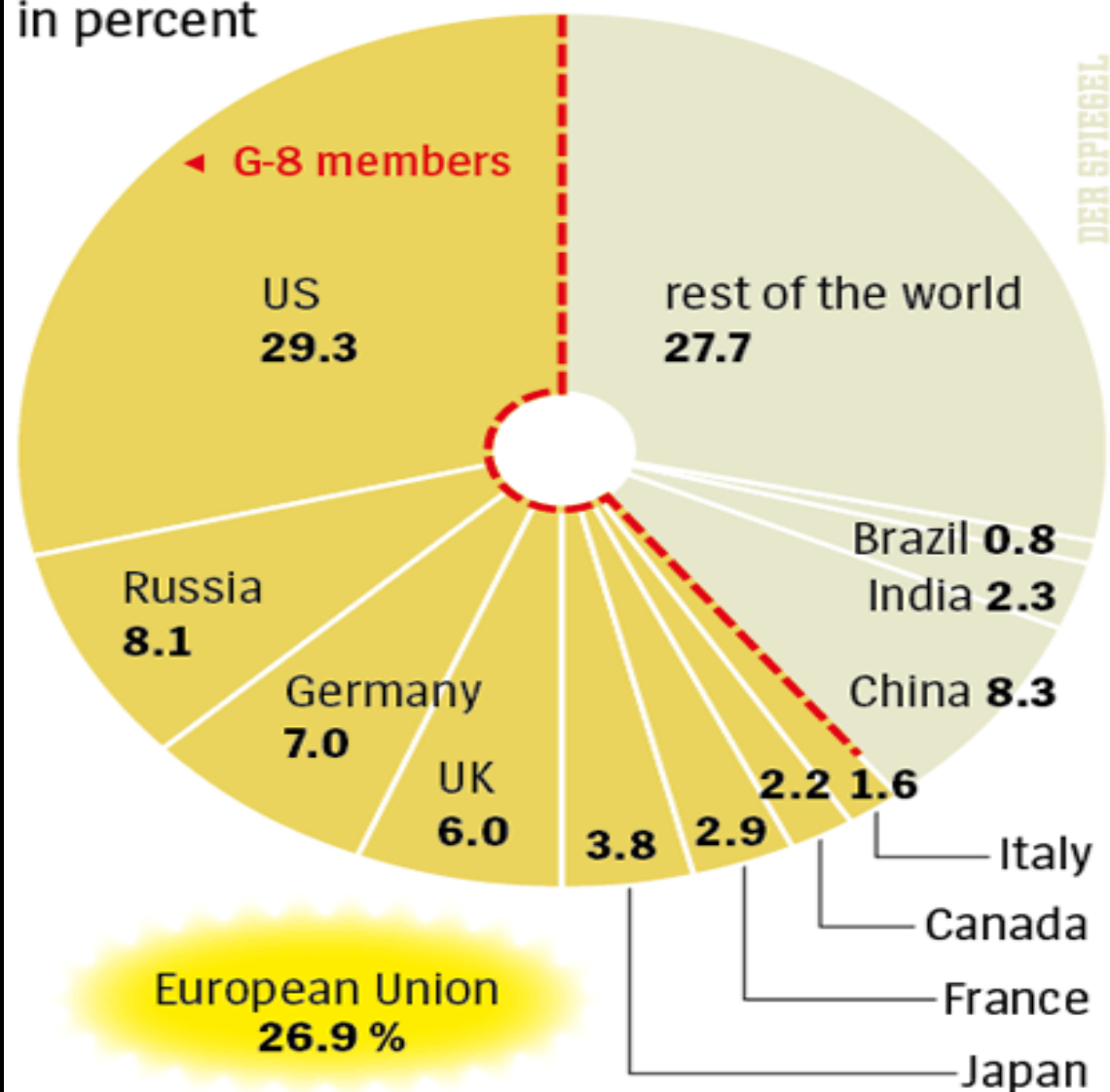


# 4 Fundamental Principles about REDD+



# The Biggest Offenders

Share of total CO2 emissions from energy consumption since 1850\*  
in percent



\* 2005 figures; Source: World Resources Institute

# South – South Cooperation



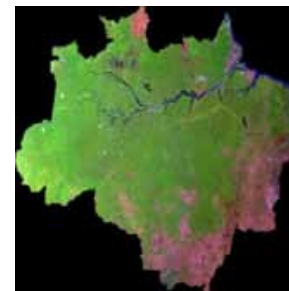


# South – South Cooperation



# Need for action!

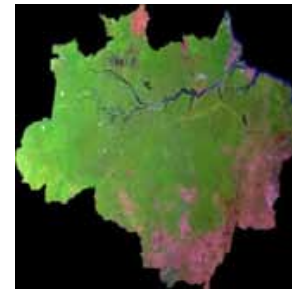
- **UNFCCC:**
  - 2005: forests included in the la agenda
  - 2008 (3 anos) – Bali Roadmap
  - 2009: SBSTA +LCA/AWG; technical workshops?
  - **Post 2012: ???**
- **Voluntary/demonstrative initiatives**
  - FCPF, BioCF, Norwegian Fund, Forum on Readiness for REDD, UN REDD, CCX, Governors Forum, others...
- **Readiness: how to link and move forward?**



South-South Workshops – March, 2009

# Key challenges for REDD policy and implementation

1. Funding: Market x Non Market
2. Baselines and Additionality
3. Scale: National x Sub-national
4. Methodological questions... there are many good examples and solutions!





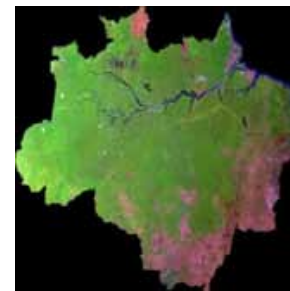
# ***PROBLEM: US\$ 15 – 27 Billion/year)***

## **Non Market (Fund) Approches:**

- Annex I contributions to a REDD fund under UNFCCC, GEF, Overseas Development Agencies (ODAs), others
- **Works? Long-term?**

## **Market Approaches**

- Fungibility with CDM, new REDD mechanism, link to Annex I targets, voluntary markets, etc
- **Works?**
  - Carbon Market ~ U\$120 Billion in 2008
  - FCPF: U\$ 300 M + BioCF
  - US Climate Bill(s): U\$???
  - Australian Scheme (CPRS): U\$???
  - Others OTC: Juma, Aceh, etc.



# Pros/cons

- **National level**

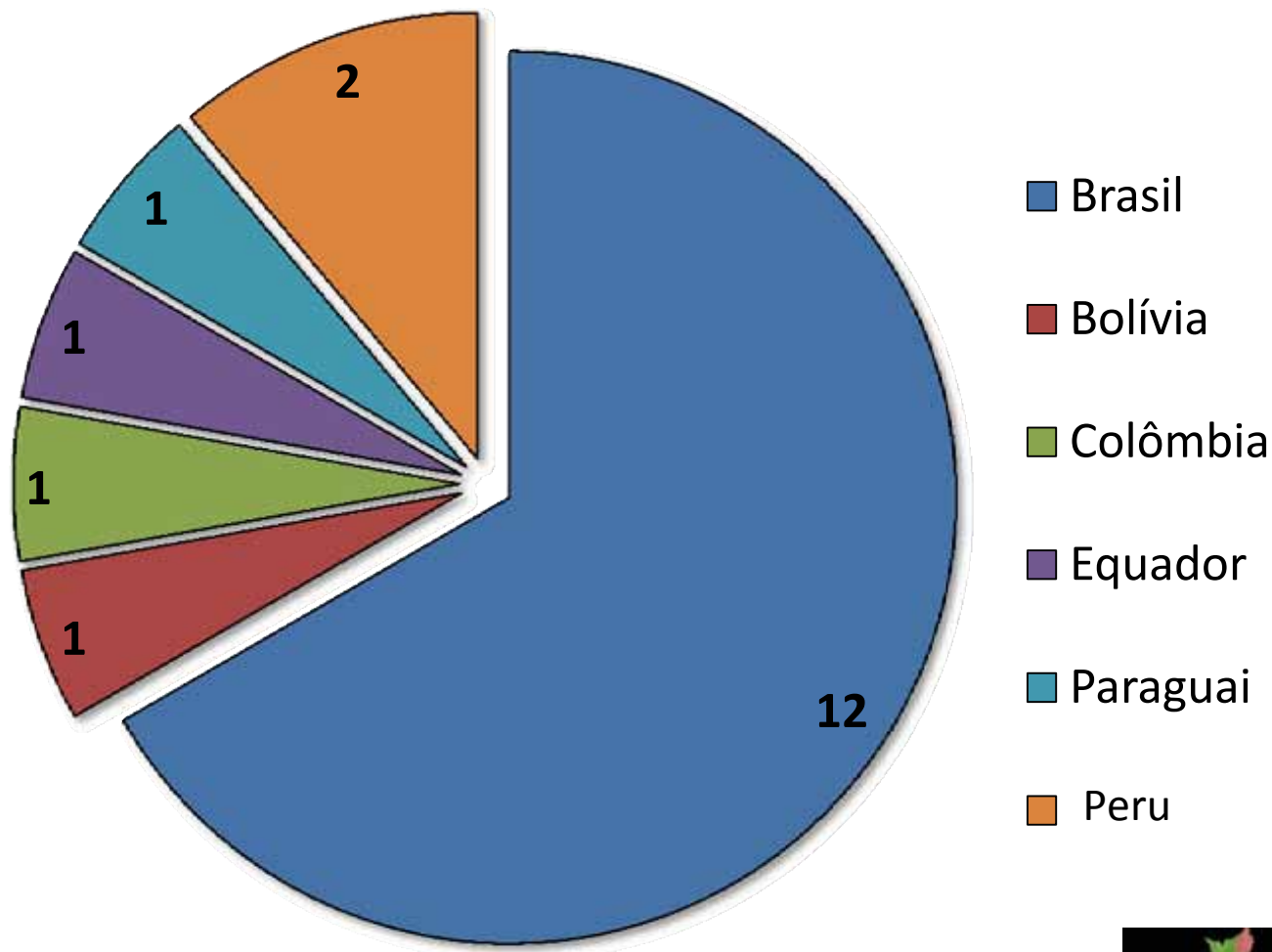
- Easier to deal with leakage at “national level”
  - Can represent a hard implementation problem in low governance countries (bureacracy, corruption, etc.)
  - Less attractive to market mechanisms and private sector

- **Sub-national level (regional, projects etc.)**

- Must approach leakage consistently
- More interest from the private sector
- Early implementation and boosts technology and methodological improvement



# Iniciativas Piloto en la Amazonia/América Latina



Fonte: Idesam/TNC, Julho de 2009

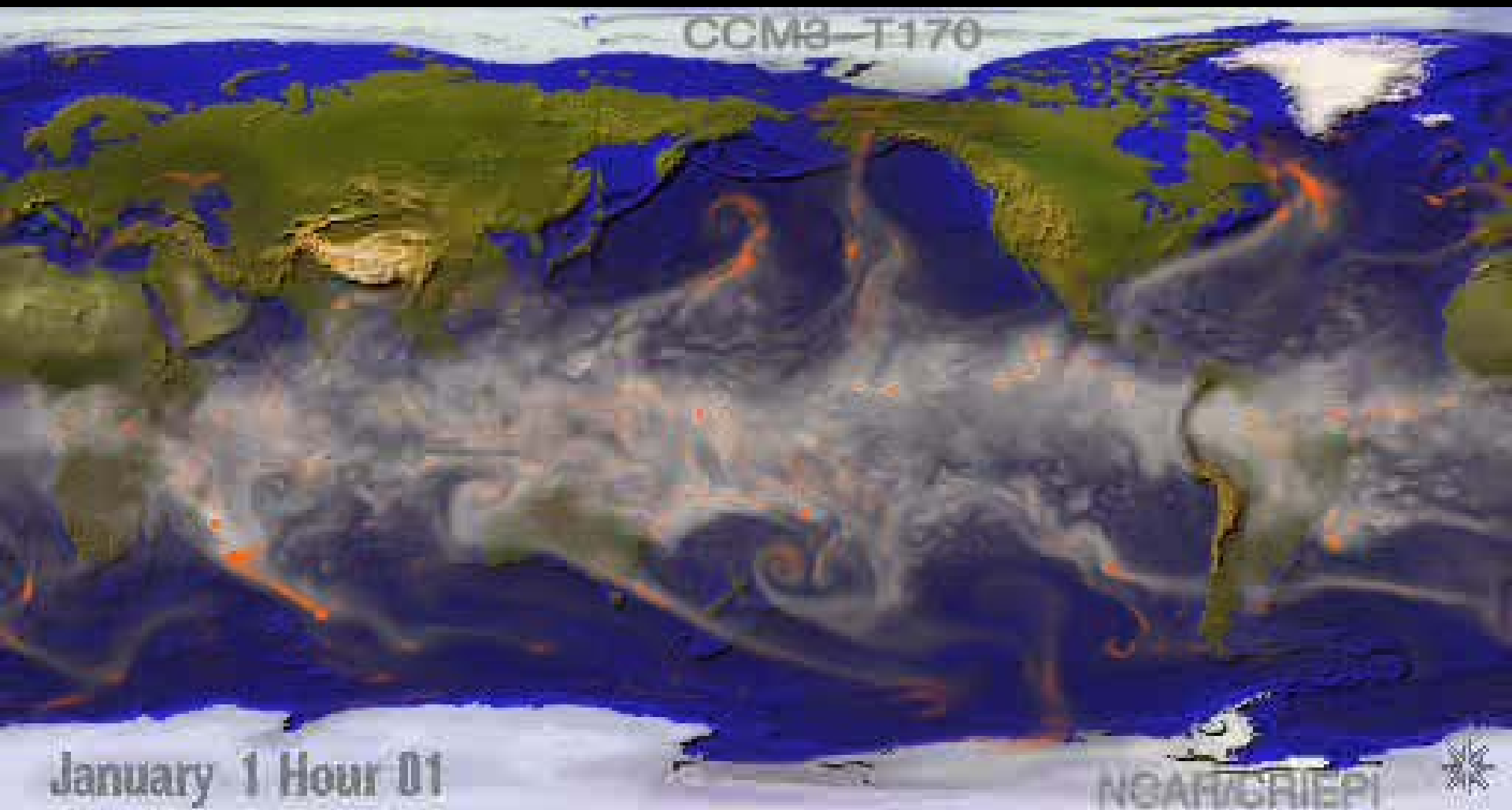




**More than just carbon...**



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January 1 Hour 01

NOAA/GRIPI

