

***Taller Regional sobre
Contabilidad del Capital
Natural com Énfasis em las
Cuentas del Agua***

Natural Capital: some
information about Brazil

17 to 19 December, 2014

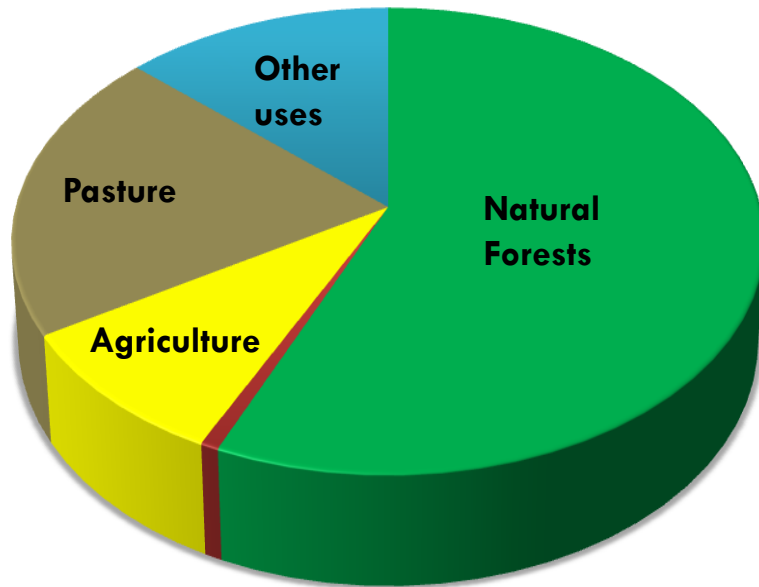
San José / Costa Rica



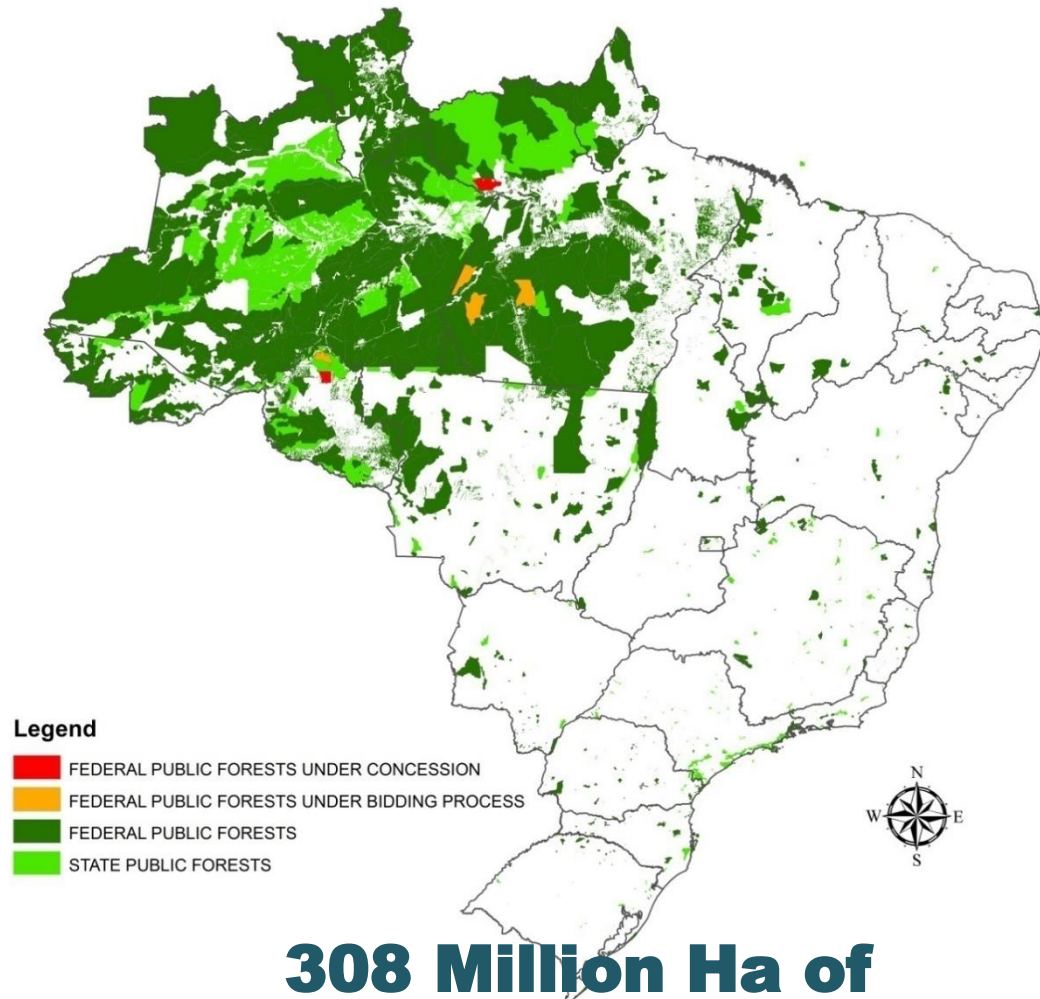
- Introduction on Natural Capital Accounts (NCA)
 - Relevant issues and specifics
- Policy questions
 - Relevant policy questions; have the accounts been used in policy?
- Key findings from the accounts and how the accounts can help
 - Key findings or future plans and how the accounts can provide relevant information; The accounts as a tool to link to macroeconomic policies, PES schemes, etc.
- Challenges for institutionalization and producing accounts
 - Discuss various policies in the past and how the accounts could have helped; If accounts are institutionalized, what was that process? If not, what do you see as steps towards institutionalization.
- Next steps
 - What are the plans for NCA in the future?
 - What are the key accounts to be developed or improved?

LAND USE IN BRAZIL

Forests occupy more than
54% of the total area of the
country.

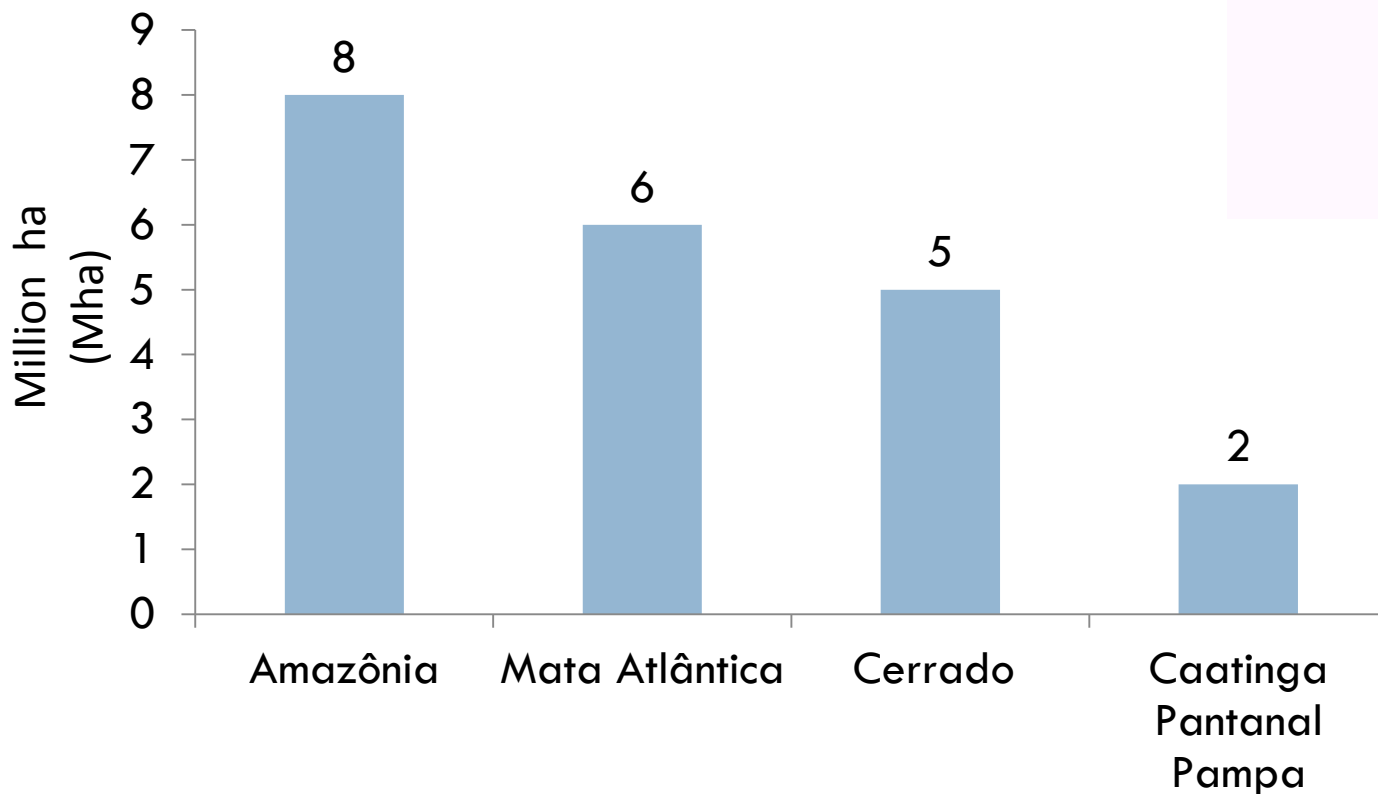


Plantation forests



**308 Million Ha of
Public Forests**

Restore demand in each biome (applying Forest Code 2012)



Map: IBGE, 2004

Total = 21 Mha

adaptado de Soares-Filho, B. S., 2013.

CARACTERIZAÇÃO E DESAFIOS REGIONAIS

- Vazão de retirada total: 64.560 hm³/ano
 - 54% Irrigação
 - 23% Humano
 - 17% Indústrias
 - 6% Animal
- Área Irrigada: 6,05 milhões de ha
- Geração por hidrelétricas: 415.342 GWh/ano
- População urbana atendida por sistema de abastecimento de água: 93,20%
- População atendida por sistema de coleta de esgoto: 58,80%
- Índice tratamento esgoto coletado: 69,40%
- Índice tratamento esgoto gerado: 40,80%
- Qualidade das águas (IQA):
 - 82% ótima ou boa
 - 18% regular, ruim ou péssima



Policymix: economic instruments in Brazil

IN PLACE / ONGOING

Environmental compensation schemes (infrastructure projects)

Environmental funds (Fundo Amazônia & FUNBIO)

State and Municipal PES Laws and schemes

Green procurement

Forest allowance programs (Bolsa Floresta and Bolsa Verde)

Payment for water resources use (US\$154 mi / year)

National Accountability of Natural Capital (SEEA-Water)

PERSPECTIVES / ON STUDY

Federal PES Law

Green Infrastructure Bonds

Tradable conservation certificates (Native Veg Protection Law)

Paying for ES of Protected Areas for providing hydroenergy and water supply.

Amazon Ecosystem Services Valuation Study – World Bank



System of Environmental Economic Accounting (UN)

- **SEEA-Water Project**
(IBGE/MMA/ANA): consolidation of first water statistics using UN method (stocks and flows)
- **SEEA-Forest:** first steps (National Forest Inventory)
- **SEEA-Energy:** first steps (Energetic National Balance)



Brazilian Natural Capital Initiative

The purpose of EEB Brazil is to identify and highlight the economic benefits derived from the conservation and sustainable use of biodiversity and ecosystem services in the country, as well as to evaluate the costs of their losses

- **Coordinating Comittee:** Articulation with National Biodiversity Strategy and Action Plan (NBSAP), the National Commission for Knowledge and Use of Biodiversity (CONABIO) and network researches
 - Working Group EEB for National Policy Makers (Ministries)
 - TEEB Regional and Local Project (Focused on small and medium-size companies)
 - TEEB for Business (Focused on large corporations)

□ Challenges for institutionalization and producing accounts

□ Steps towards institutionalization

- Sensibilization
- Coordination

□ Challenges for producing accounts

- System of Environmental/Water Statistics
- Data collection strategy
- Use for SDG and Pos2015 Agenda

□ Next steps

- What are the plans for NCA in the future?
- What are the key accounts to be developed or improved?
 - Water (ANA, IBGE, MMA)
 - Forest (SFB, SBF/MMA e IBGE)
 - Land use and land use change (IBGE)

Obrigado

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