

Brazil: National Initiatives and the SEEA

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Way out of the crisis: Natural capitalism?

The sixth wave of innovation (biomimetics, green nanotechnology, industrial ecology, embedded system design, etc..) should generate a **new dynamic of the market economy**, which has been called natural capitalism. From the historical point of view, the new configuration of capitalism assumes that you are creating a new industrial revolution that will bring great benefits to society: the **decline of natural resource depletion** at one end of the value chain, the **reduction of pollution levels** in the other tip, and the formation of a base to expand **quality jobs** worldwide. "(Prof. Paul Haddad, O Estado de São Paulo, Sep 2011)

Why Environmental Accounting?

- Brazil seeks Sustainable Development in its three dimensions: economic, social, and environmental
- You cannot manage what you cannot measure
- Relationship between the environment and well-being is not revealed through traditional measures of economic activity such as GDP and national income
- Policy demand for information on ecosystem accounting, natural resources, environmental capital

Brazil - Environmental policies (1) (already in place)

- National Policy for the Environment (PNMA)
- Solid Waste National Policy (PNRS)
- Forest Law
- Sustainable Public Procurement - Federal Law No. 12,349/10, Normative Instruction No. 1 of 2010

Brazil - Environmental policies (2) (already in place)

- National Policy for Climate Change (PNMC)
 - Energy plan (renewable, energy efficiency),
Control of Deforestation (Amazon and Cerrado),
Low Carbon Agriculture (ABC)
- Bolsa Verde
 - CCT for population in protected areas
- Price guarantees for biodiversity products
 - (açaí, Brazil nuts, umbu, mangaba, babaçu,
rubber, pequi, etc.)
- Sustainable Production and Consumption Plan

Brazil – Environmental Policies (in process)

- Reform of the legislation for access to genetic resources and associated traditional knowledge (in discussion)
- National Policy for Planting Forests (in elaboration, SAE and interm. Working group)
- Payment for Environmental Services (in discussion, Congress)
- Ecological Tax on Circulation of Goods and Services (ICMS) (local and regional initiatives)
- National Climate Adaptation Plan (governmental working group)

New Policies in elaboration (under PNMC)

- Mitigation Plan for Industrial Sector
- Transportation Plan
 - Urban transportation
 - Freight transport
- Mitigation Plan for Mining Sector
- Adaptation Plan for Health Sector

Linkages between national programs and plans and SEEA accounting standard

- IBGE is starting environmental accounting with water. Then the plan is to continue with forests.
- Brazilian government - broader assessments and policy decision on the basis of IBGE's information
 - TEEB Brazil (private sector, local and regional, national policy making)
 - Energy policy – dependence of hydropower generation on forests in the Amazon basin?
 - Water resources
 - Forests

Other specific issues

- Water resources – information for PSA pilot projects, National Water Regulation Agency (ANA)
- National System of Protected Areas – environmental compensation of benefits to energy generation (Art 48, SNUC Law)
- Aichi targets 2020, CBD

Final remarks

- If our view for the future includes poverty eradication, quality jobs, decline in natural resource depletion, and pollution reduction...

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- We cannot manage what we cannot measure



- Environmental Economic Accounting is needed  SEEA