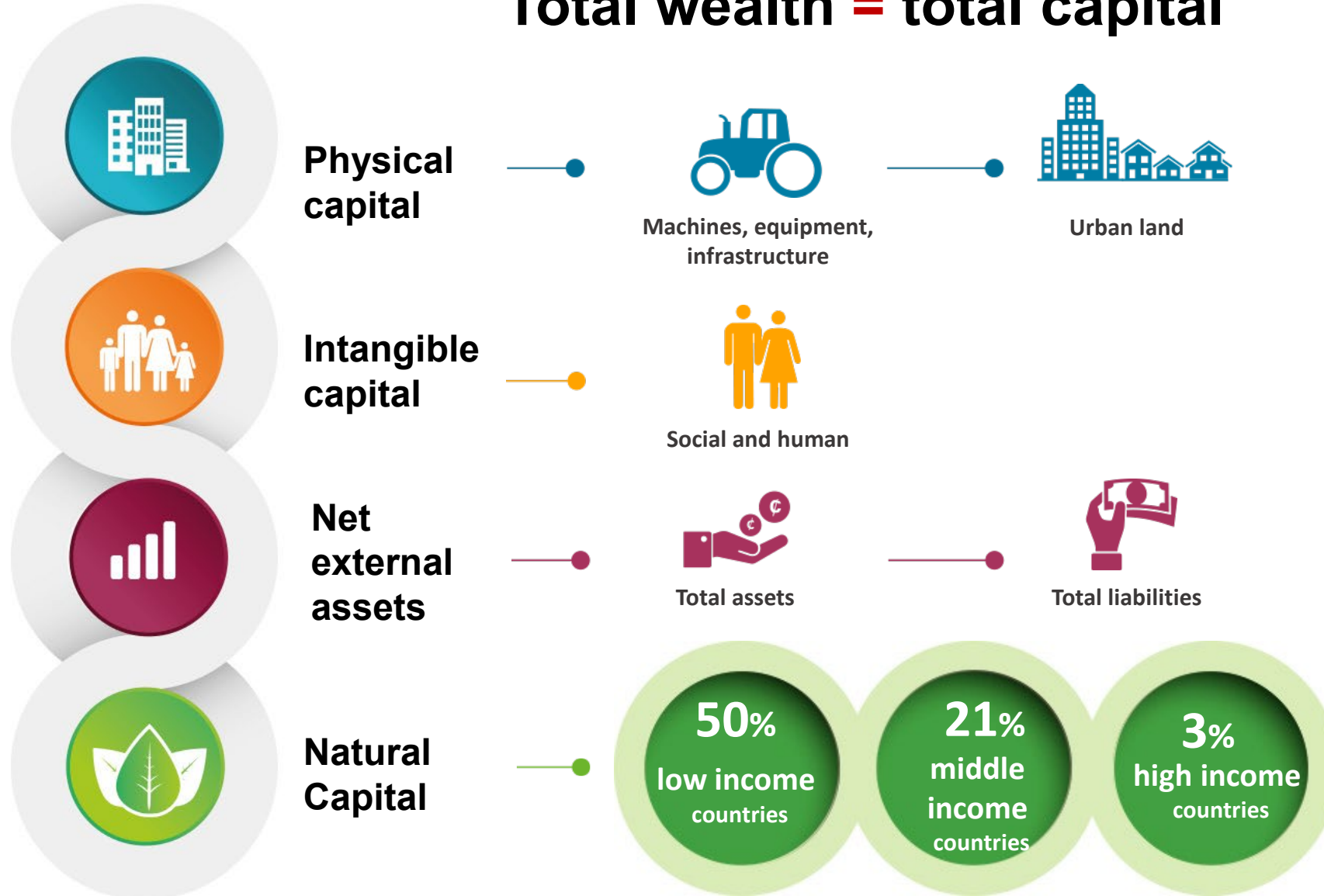


How the Environmental Accounts Can Be Used in the Decision-Making Process

Mónica Rodríguez Zúñiga
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Central Bank of Costa Rica

September 26, 2023

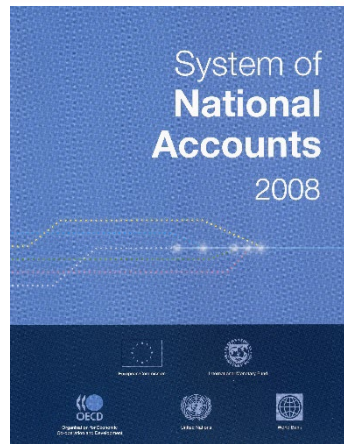
Total wealth = total capital



Development of the environmental accounts



Environmental accounting guidelines



SNA

Includes produced assets with market value.



SEEA Central Framework

Includes natural assets in physical and monetary terms, with market value.

Modular Approach



energy



soil



aquatic resources



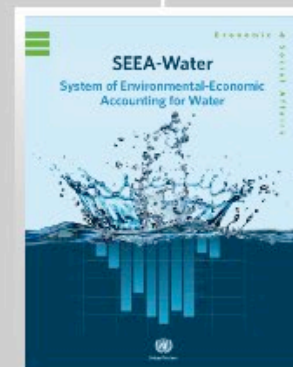
land and ecosystems



water



wood



SEEA-Water

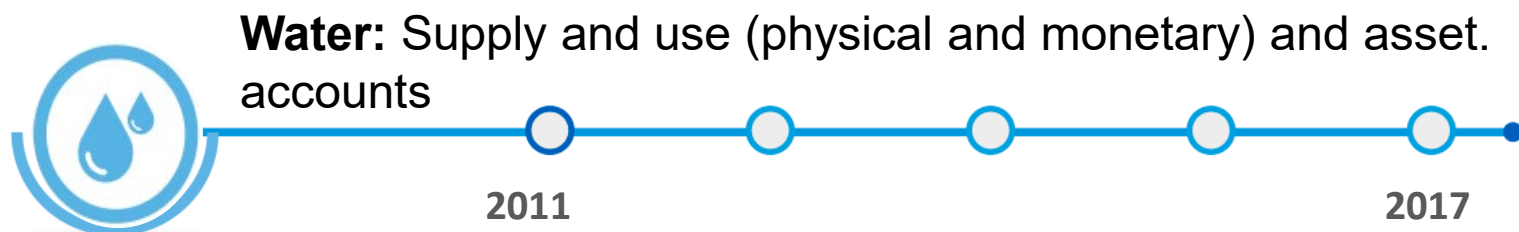
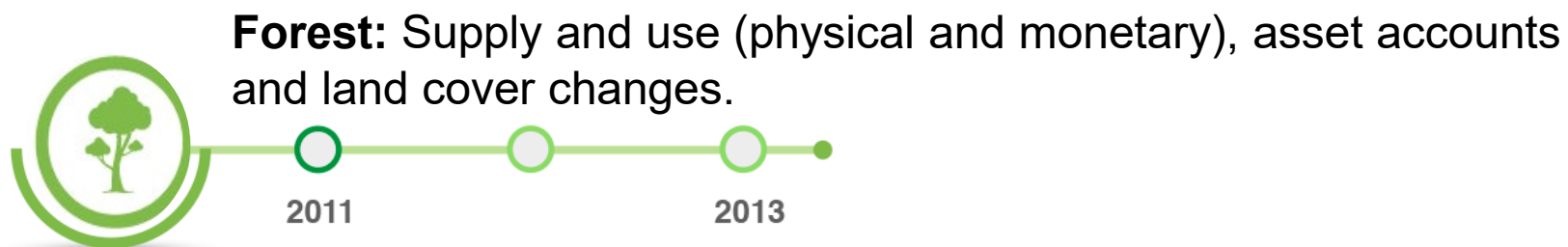


SEEA-EEA

Aims to account for and value assets with no market value, as an experimental approach.

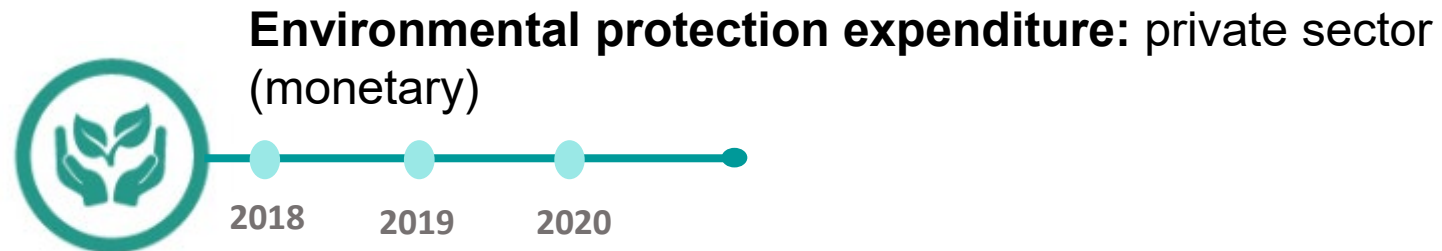
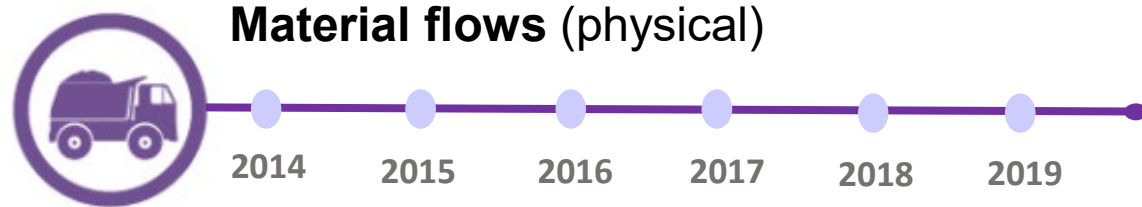
Costa Rica: environmental accounts

Published:



Costa Rica: environmental accounts

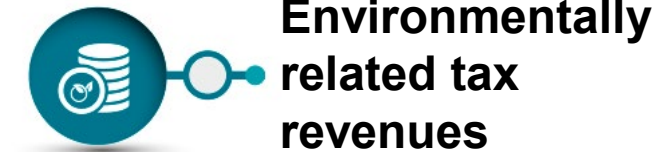
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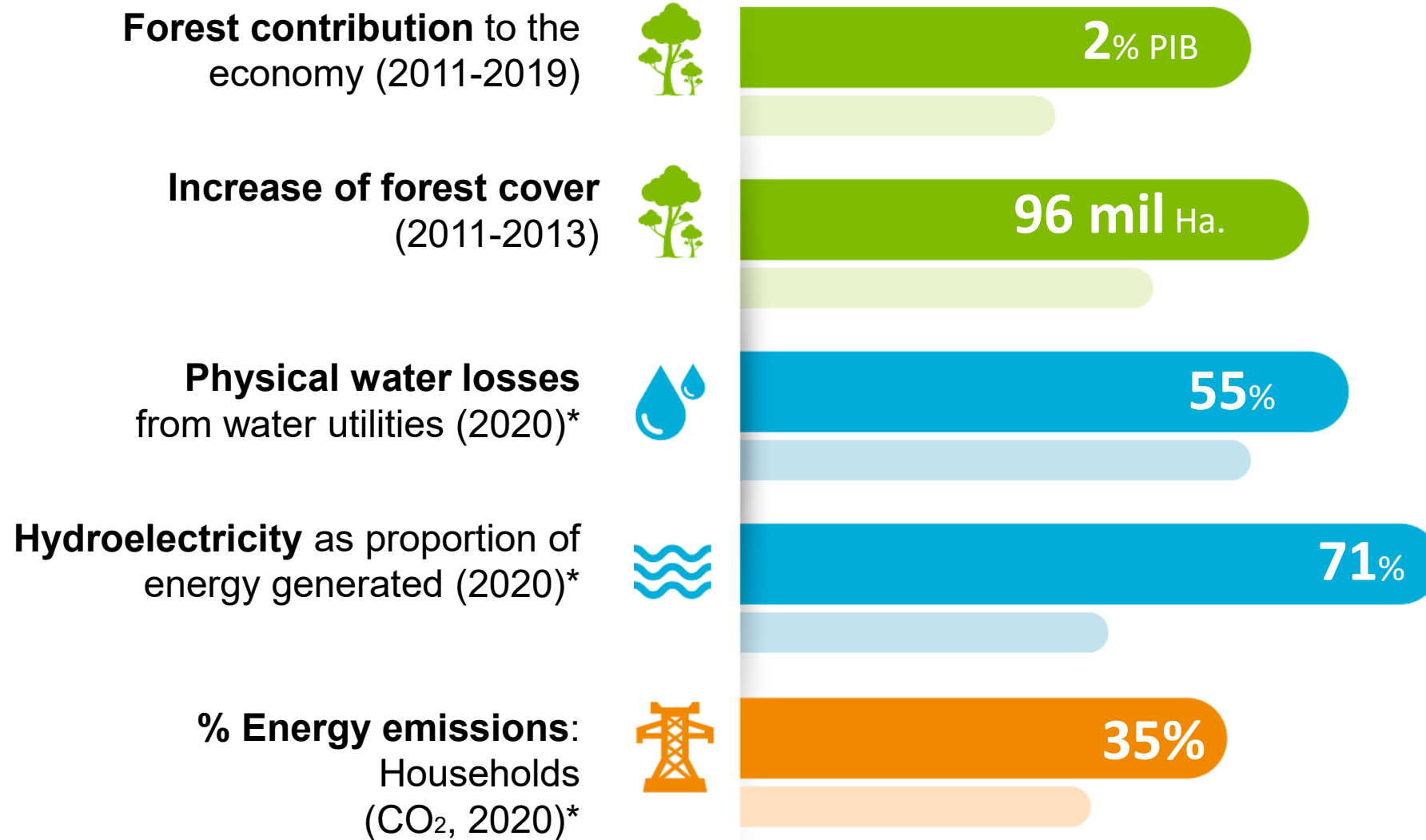
Under development:



(Carbon sequestration, Nature-based Tourism and Crop provision).



Examples of environmental accounts indicators



*Preliminary data

Contribution of environmental accounts

Information can be disaggregated by economic activity.

-Compatible with I-O analysis.

First hybrid indicators

-Physical and monetary value.

-Environmental and economic information.

Monitoring system of environmental data in the country.

-Trends and outliers.

Systematic, organized information to respond to international requests (OECD, UNSD-UNEP and SDGs).



Environmental
Accounts
Applications

Sustainable Development Goals



Monitoring and evaluation:
Sustainable Development
Agenda 2030.



Focus on the development
of national indicators for
three goals.



**Clean water and
sanitation**

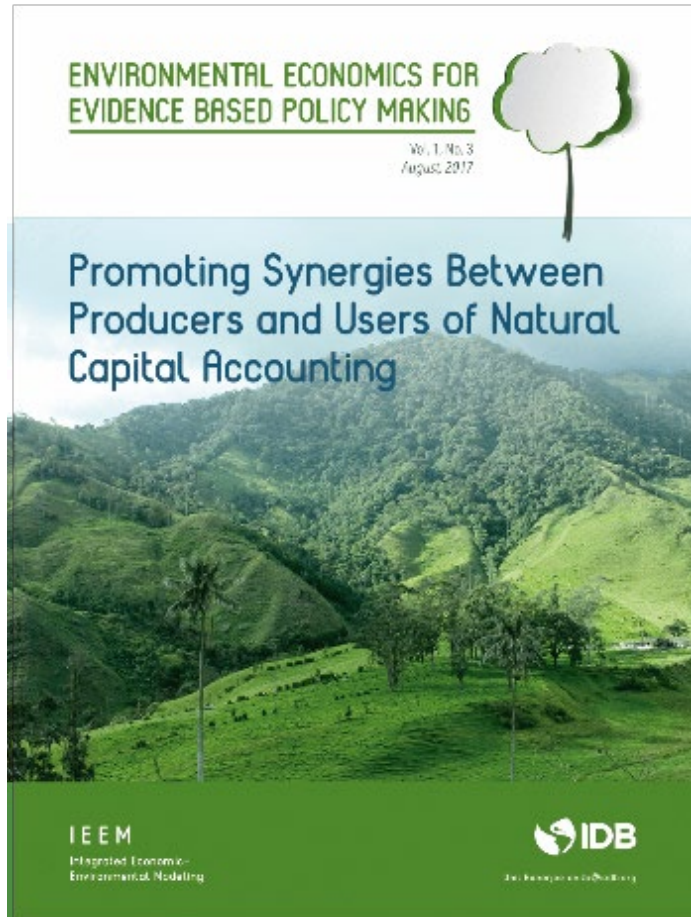


**Affordable and
clean energy**



Life on land

Integrated Environmental Economic Modeling for Costa Rica (IEEM-CR)



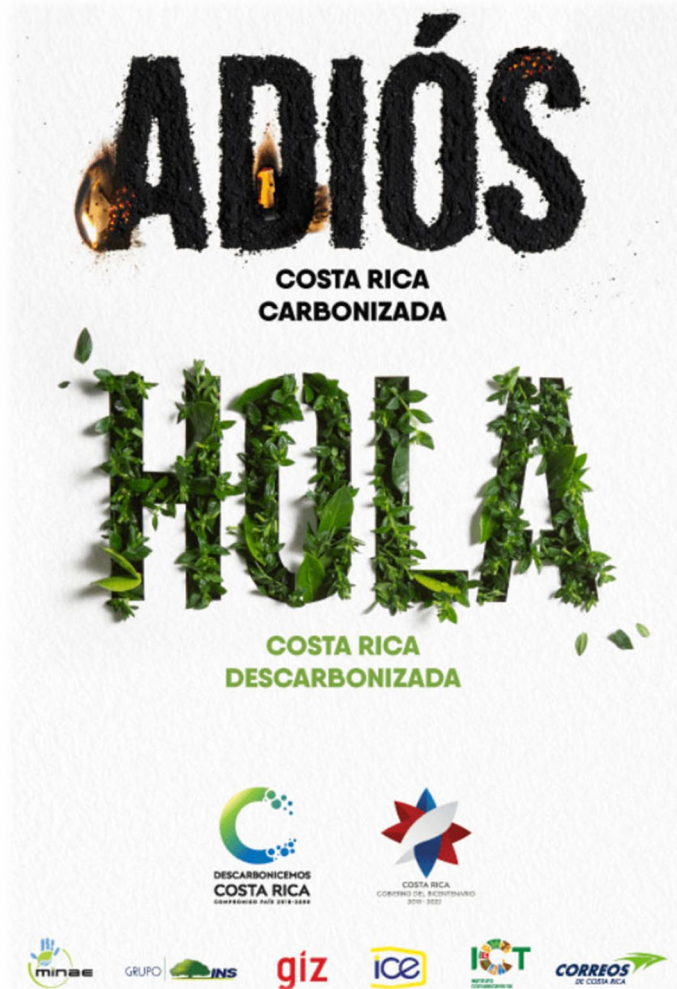
Dynamic recursive GEM that incorporates the environmental accounts.

Forward-looking analysis of public policies and understanding of the impact of decisions prior to their implementation.

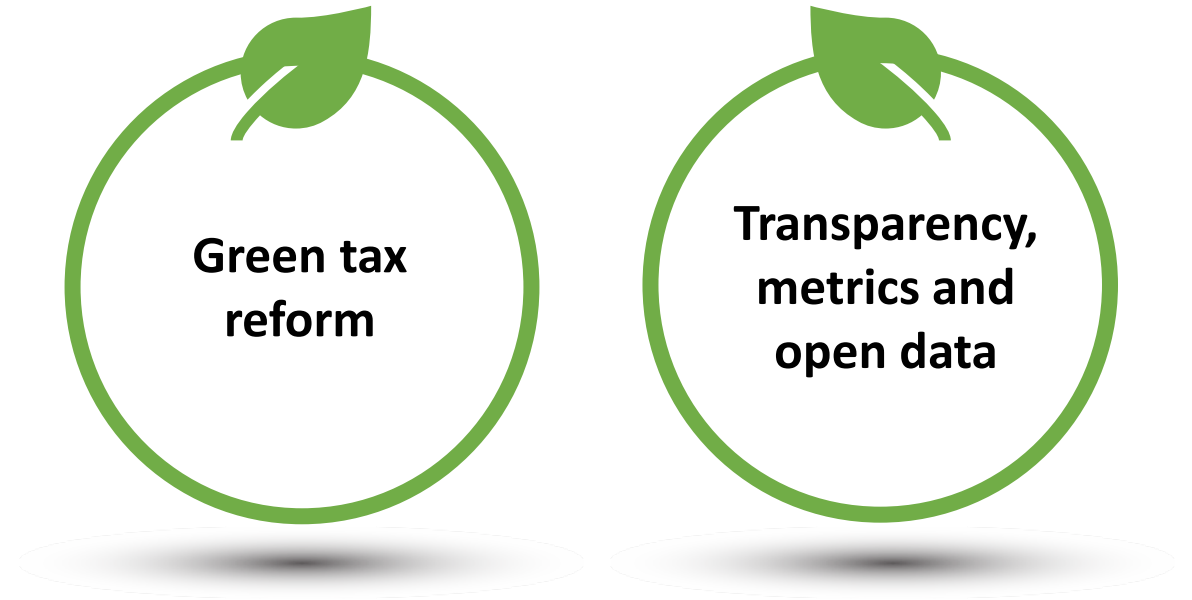
Risk scenarios that consider environmental factors for macroeconomic projections.

Use of the platform to link national and environmental accounts to analyze feasibility of achieving environmental commitments.

National Decarbonization Plan 2018-2050

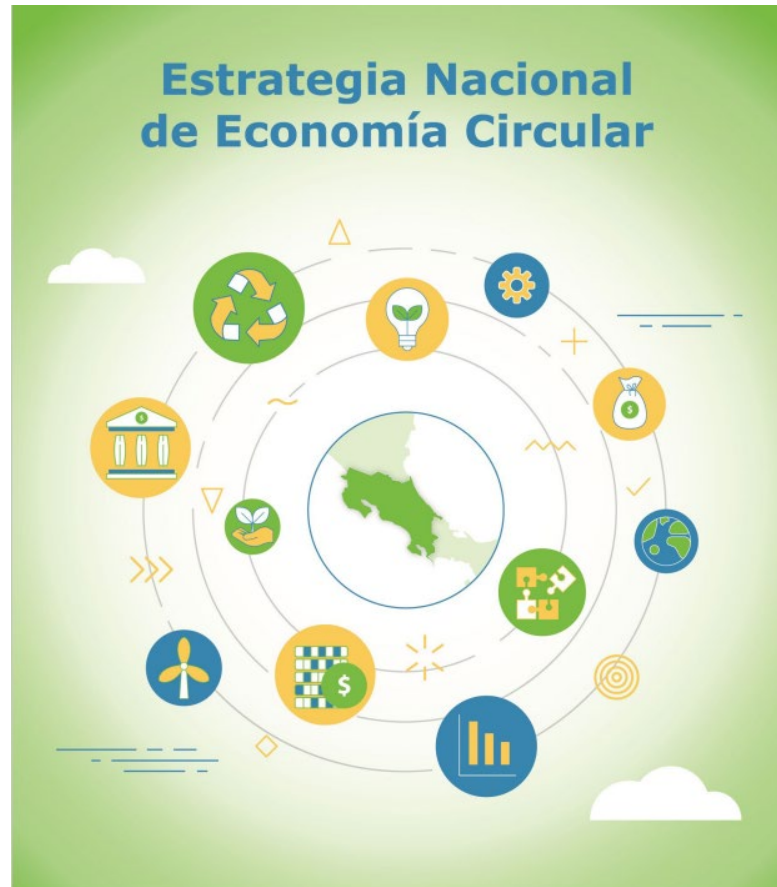


Linked with two strategies:



National Circular Economy Strategy

The conceptual framework for measuring the transition to a circular economy uses specific indicators from the Environmental Accounts.



Material flows



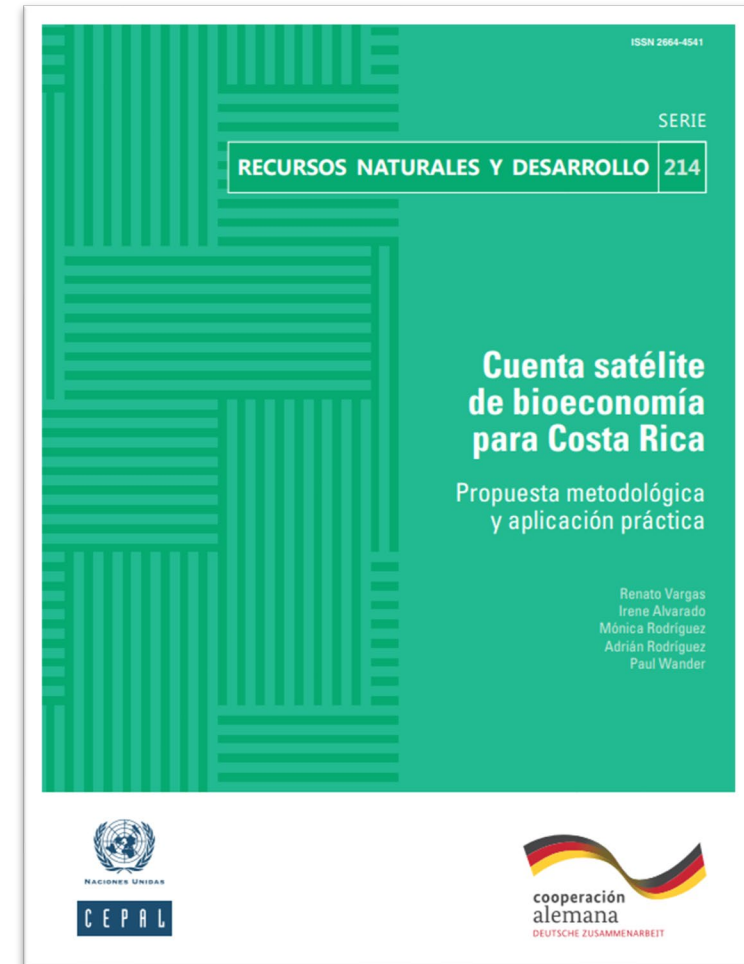
Water



Energy

Bioeconomy: Supply and Use Table

Pilot exercise



Disponible en: <https://repositorio.cepal.org/server/api/core/bitstreams/326d9cd4-6652-4353-8a9f-fe8e473a51db/content>

Público

Environmental accounts website



<https://www.bccr.fi.cr/seccion-cuentas-ambientales/cuentas-ambientales>

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