



Forest Accounts: Lessons in linking accounts to policy and decision-makers

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Wealth Accounting and the Valuation of Ecosystem Services
www.wavespartnership.org



Outline of the presentation

Presentation based on the forest accounting sourcebook

- 1) Why forests (accounts)?
- 2) Why WAVES?
- 3) What to measure and how?
- 4) What is the policy use of forest accounts? Case studies.
- 5) Key messages

- 6) **SHORT EXERCISE:**
Understanding the information
and building a narrative around
the accounts



Source: WAVES

<http://unstats.un.org/unsd/envaccounting/londongroup/meeting21/Forest%20sourcebook%20-%20LG%20version%203.3.pdf>



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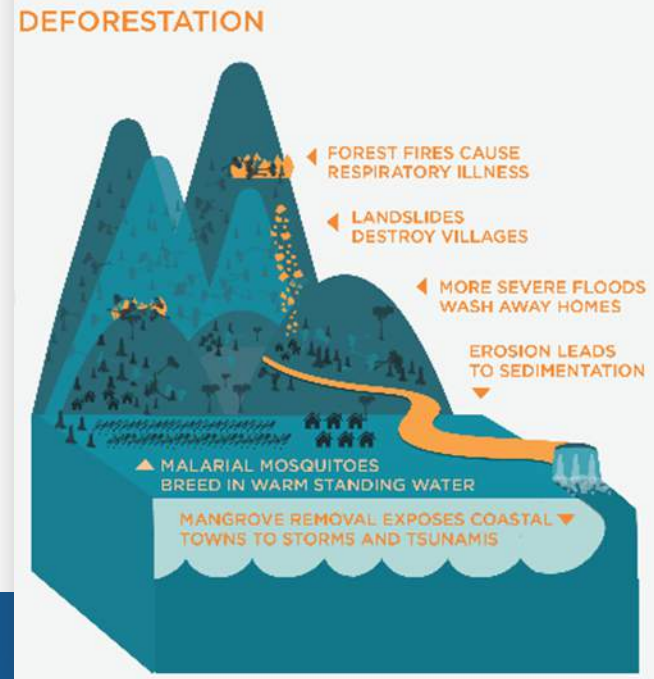
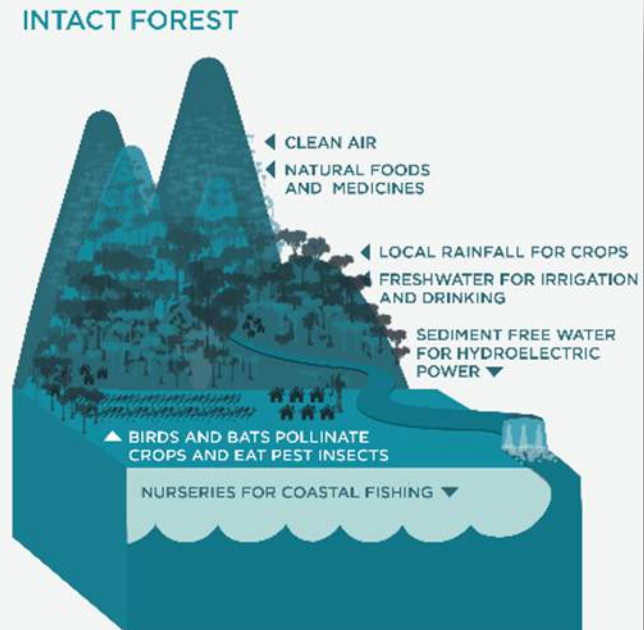
Why forests?

Global agendas

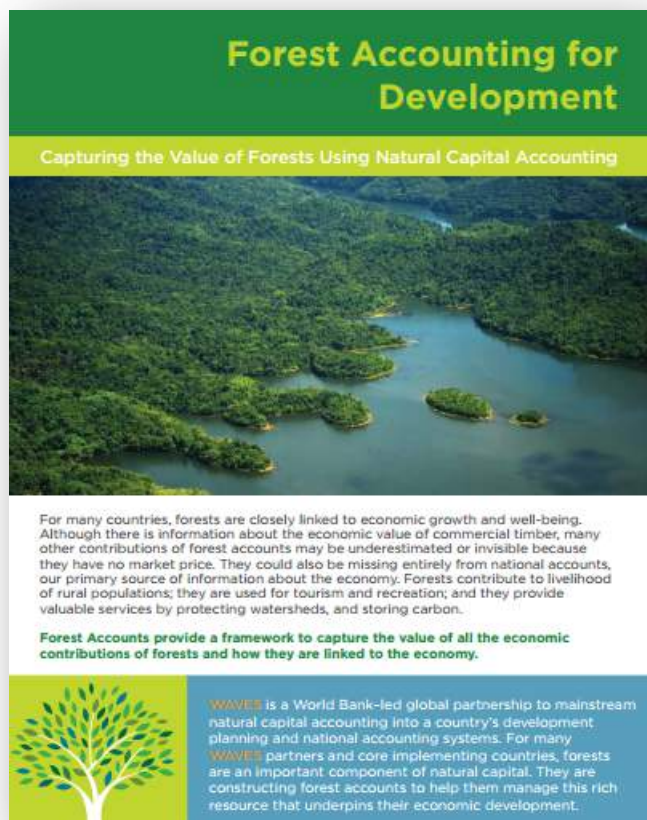
- Halting Deforestation is essential for climate stability
- Forests offer more, cheaper, faster emission reductions
- Development finance (>10 billion)

National development agendas

- Enhanced revenues from forests from TFP and NTFP
- Tourism - Ecotourism
- Food security - Agriculture
- Forests and other uses of land
- Community forest management
- Illegal logging and certification



Why WAVES?



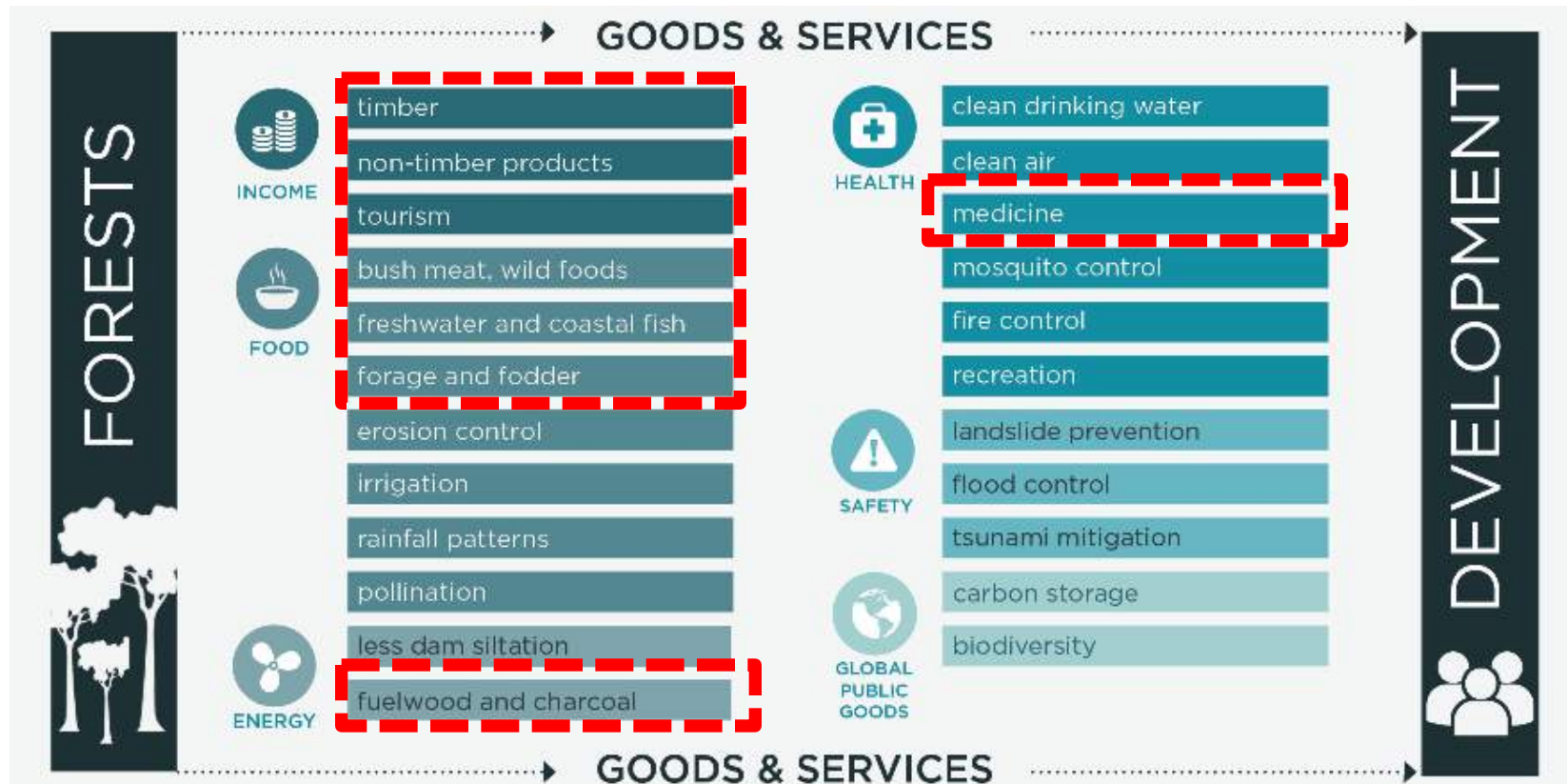
Source: WAVES

- A number of WAVES core implementing countries are constructing forest accounts at national and regional levels.
- A number of WAVES partner countries are/want to implement forest accounts.
- There is a high demand to provide guidance and training related to forests in the development context (forests as a source of income).
- Linking SEEA CF and SEEA EEA is a must in forest related policy analysis

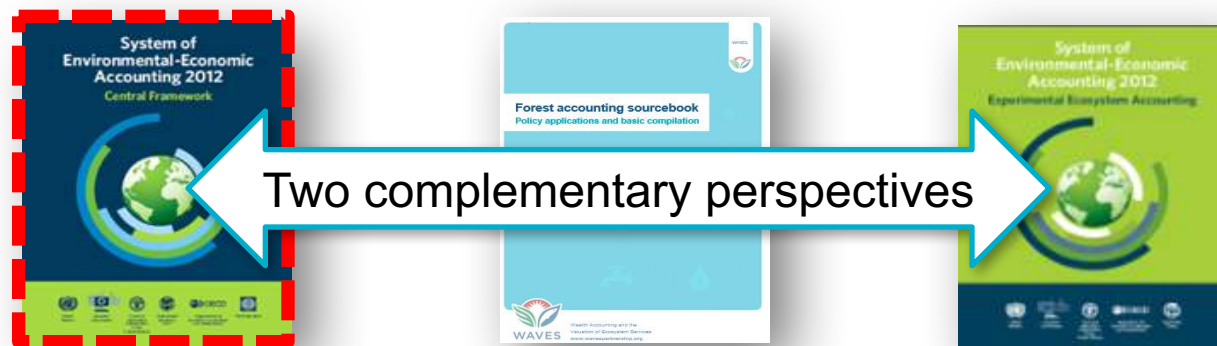


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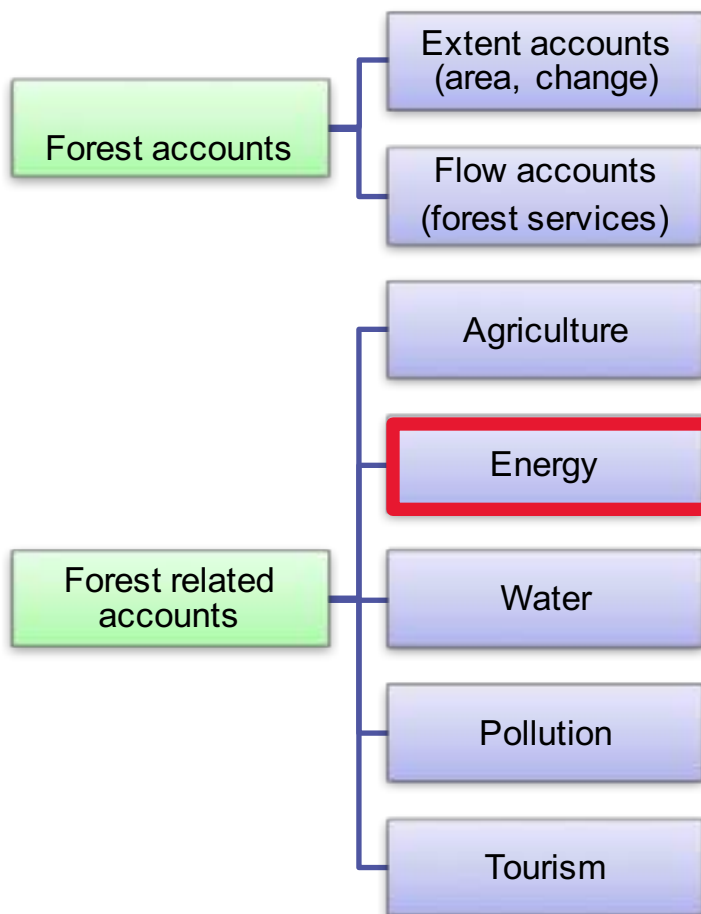
What to measure and how?



Source: CGDEV

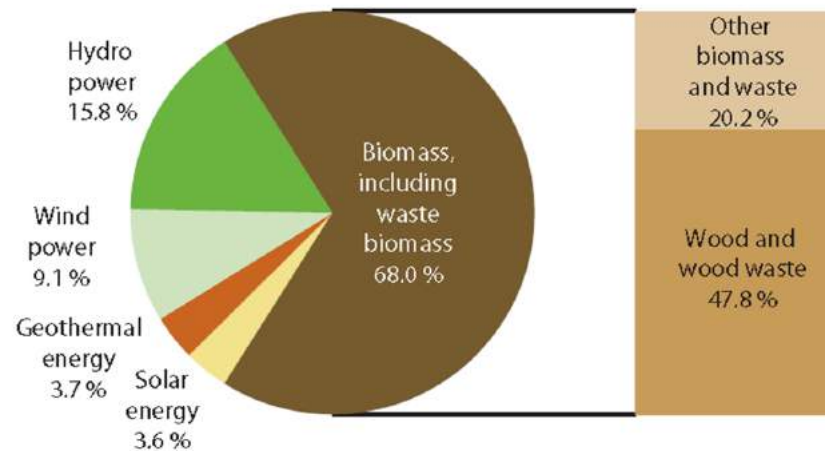


How does forest accounts relate to other accounts?



An example of energy-forest accounts links

Figure 7.2: Consumption of renewable energy, EU-28, 2011 (%)



Source: Eurostat (online data codes: nrg_1071a and nrg_1072a)

How have the accounts been used?



Madagascar

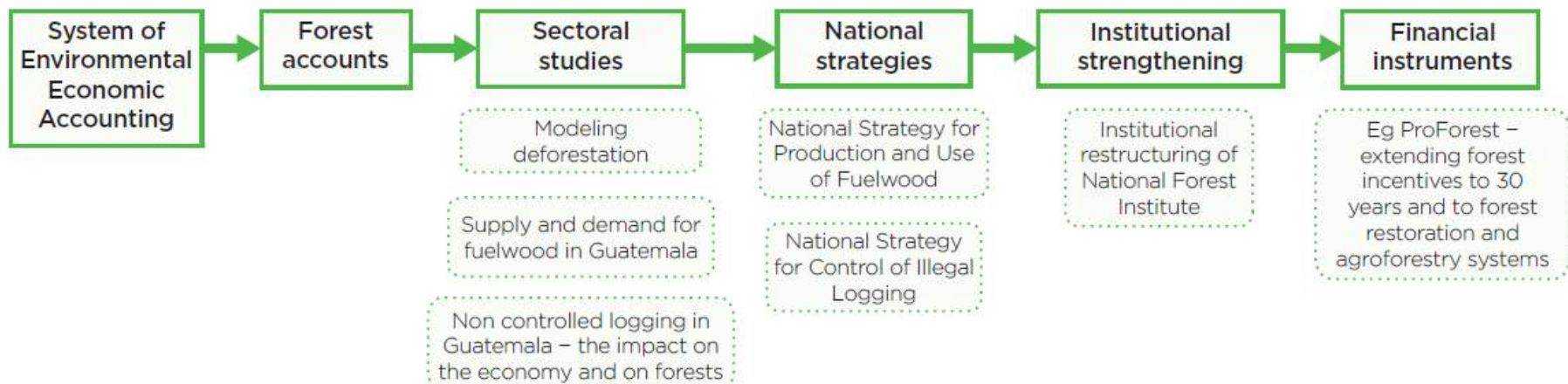


Timber volume per forest category, 2005, 2010, and 2013			
Timber volume	2005	2010	2013
(million cubic meters)			
Dense dry forests	465	425	342
Dense humid forests	2,250	1,754	1,444
Spiny forest	115.2	151.0	140
Woodland	1,700	1,794	1,972
Tapia	8.4	9.2	8.1
Pine plantation	3	2.6	2.1
Eucalyptus plantation	8.5	5.8	4.8
Other plantations	5.2	4.6	2.7
TOTAL	4,555	4,146	3,916



How have the accounts been used?

Guatemala



How have the accounts been used?

Colombia



IMPACTOS AMBIENTALES ACUMULADOS DEL CONFLICTO ENTRE 1990 Y 2013*



3 millones de hectáreas de bosque deforestadas

Equivalente al área de bosques de República Checa



1.300 millones de toneladas de CO2 emitidas por deforestación

Equivalentes al 13% de la emisiones de China en 2012



1,5 millones de ha. de suelo degradadas

Que tomarán al menos 20 años en recuperarse



60% de las fuentes hídricas del país **potencialmente afectadas** por extracción ilícita de minerales y derrames de petróleo

Equivalente a 10 veces el caudal del río Nilo



780 mil hectáreas deforestadas cuyo uso actual es diferente al de su vocación

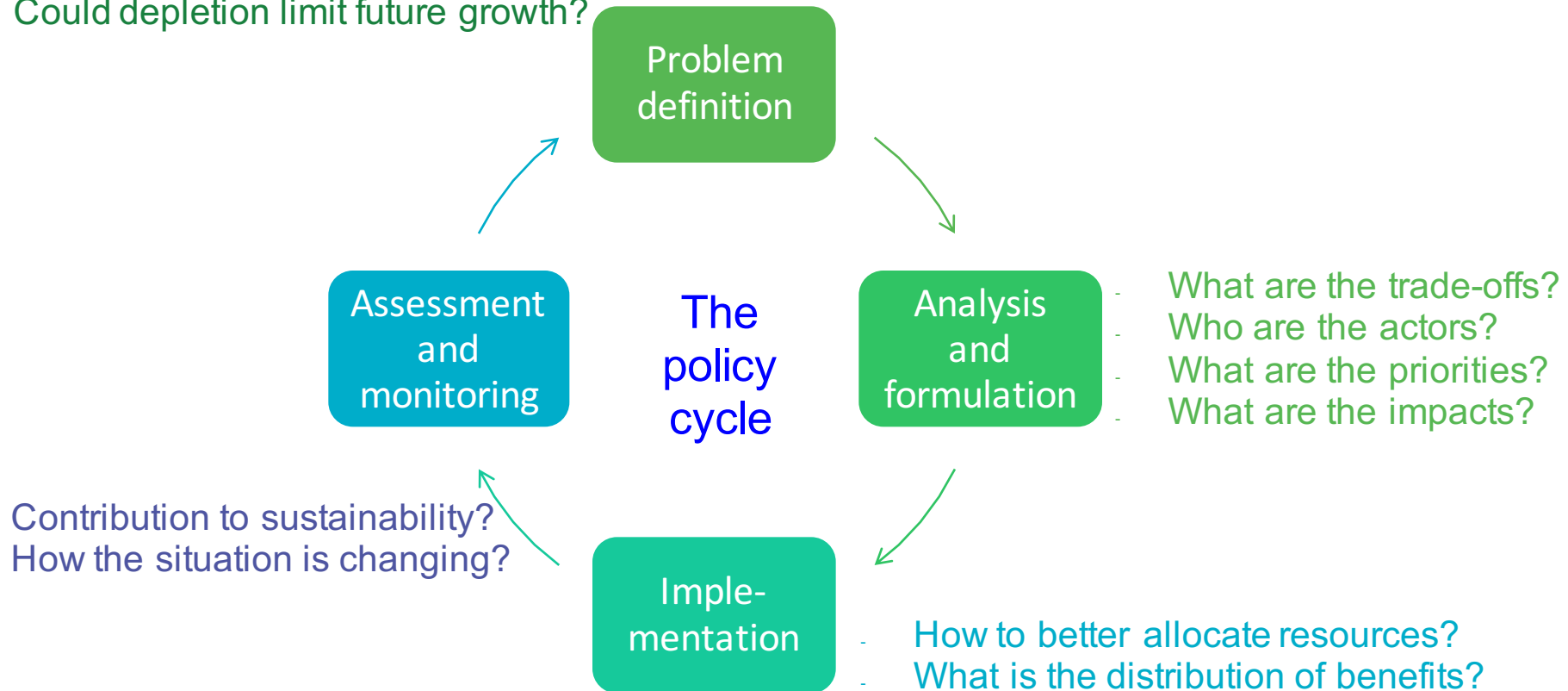
Equivalente a la mitad de Irlanda del Norte



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What is the policy relevance of forest accounts?

- What is the real contribution of forests to the economy?
- What are the linkages between forest and other sectors?
- Is economic growth causing degradation of the resource?
- Could depletion limit future growth?



Key messages

Forest Accounts (FA) are a useful tool for management decisions

Management of TFP and NTFP and other forest ecosystem services

FA are useful as an instrument to inform the broader development agenda

Understand the contribution of forests to growth and sustainable development and the impacts of sectoral policies in forests. Food security, energy and climate change issues are key in development agendas.

FA are feasible to compile even in countries with data constraints

Depending on the context, it might take 6-12 months to compile a first iteration.

FA are related to other accounts

The obvious connection is land accounts, but other accounts like energy are deeply related.



Short exercise

Building a narrative

- 1) What problems do you identify?
- 2) What are the options for addressing the problem?
- 3) What other information/accounts and analytical tools could you use to assess the options?
- 4) What processes could the information feed into?
- 5) Who is the audience?
- 6) What are the key messages?



Thank you!

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MAKING WAVES

If you are interested in sharing your experience in natural capital accounting, or in learning more about how to implement it, we would love to hear from you. Please contact waves@worldbank.org

Find out more about WAVES at www.wavespartnership.org

Available in Spanish at www.wavespartnership.org/esp



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