

Using the System of Environmental-Economic Accounting (SEEA) in policymaking

Sofia Ahlroth

World Water Week 2018
August 26, 2018

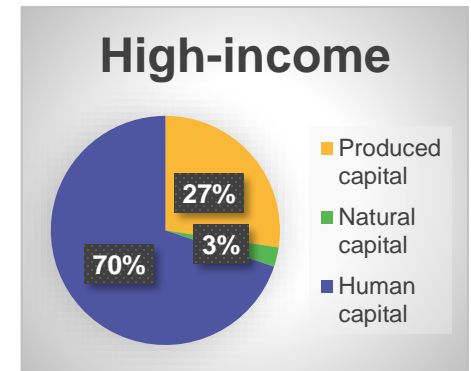
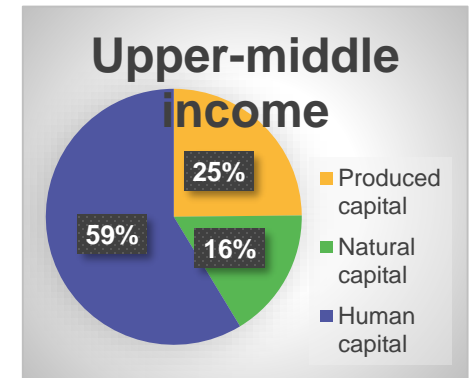
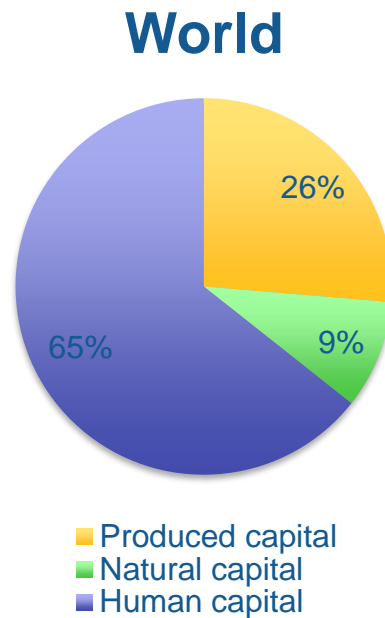
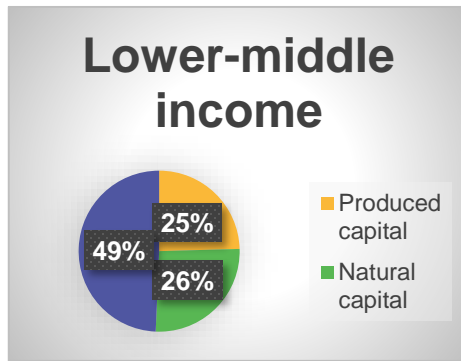
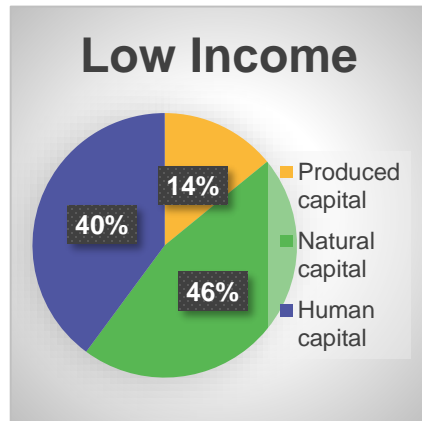
Photo Credit: Mark Anthony F. Salvador



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



Natural capital is the largest share of wealth in Low-income countries



What do decision-makers think about?



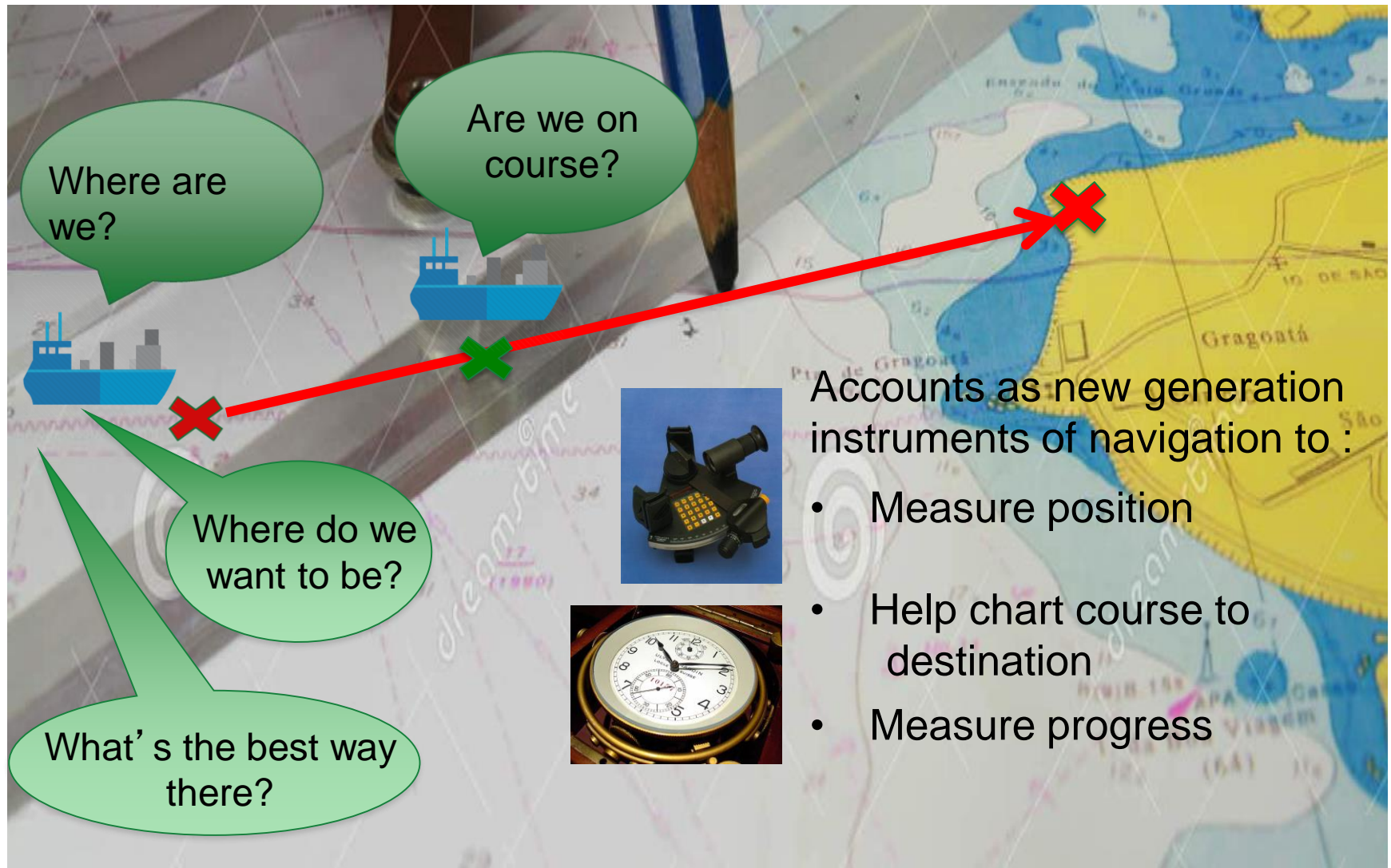
Botswana President Ian Khama said “We will put natural capital at the heart of government decision-making”.

- **What is the problem?**
- **What can I do about it?**
- **Who wins?**
- **Who loses?**
- **How much will it cost?**



The Hon. Barry Gardiner, Member of Parliament, United Kingdom, Formerly an Assistant Minister of Environment

Charting a course for ship of state with NCA



Where are we?

Are we on course?

Where do we want to be?

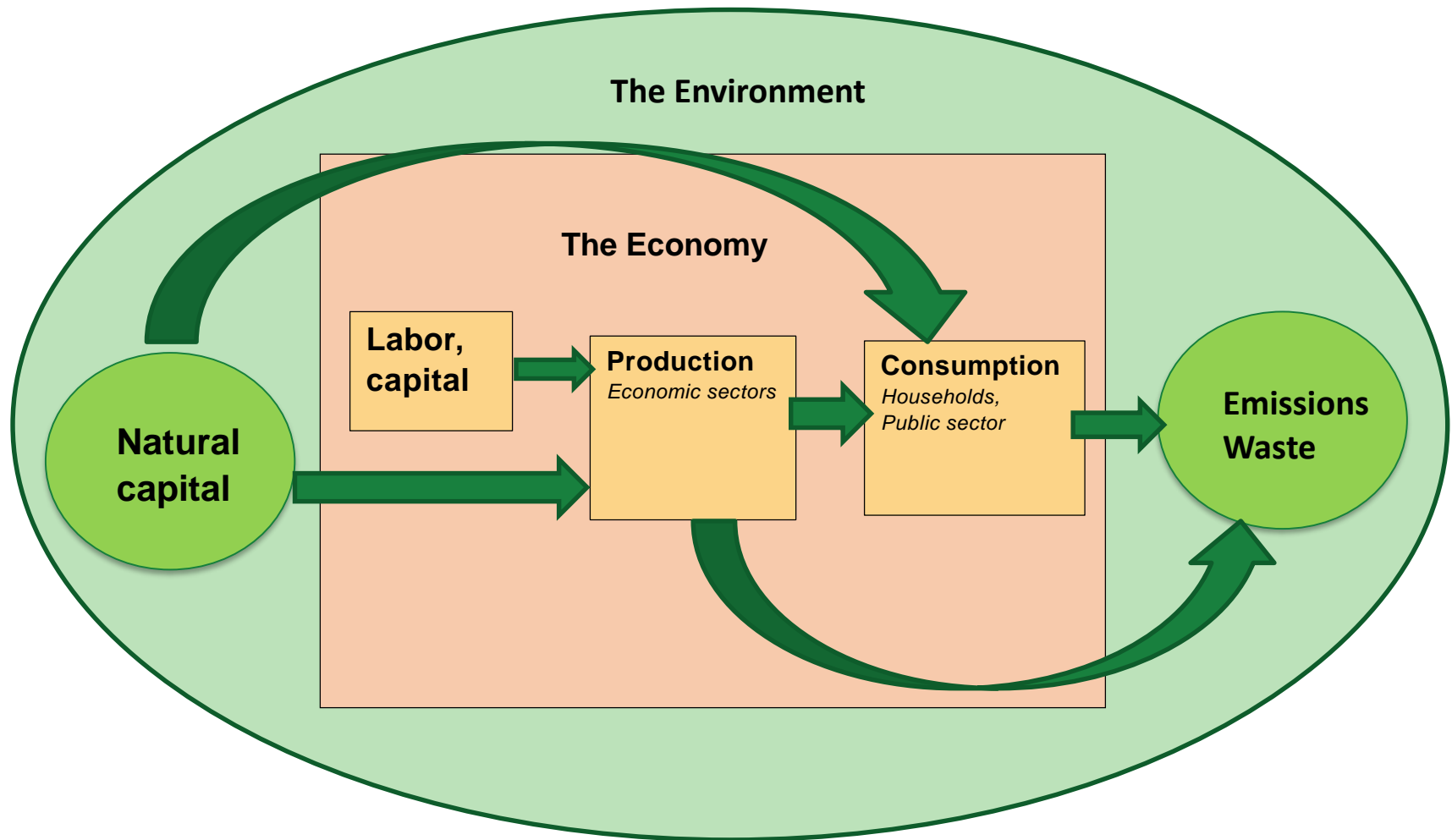
What's the best way there?

Accounts as new generation instruments of navigation to :

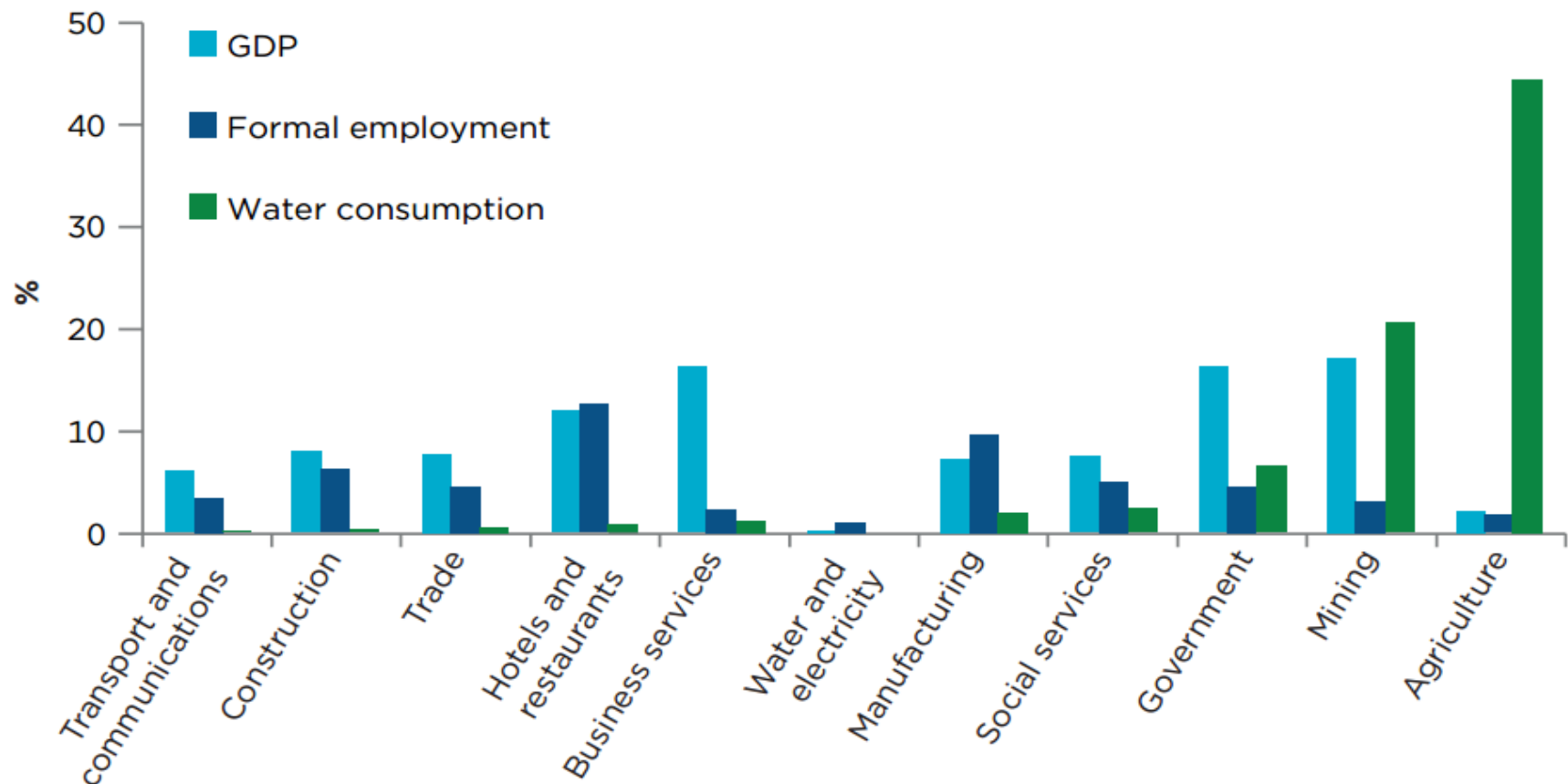
- Measure position
- Help chart course to destination
- Measure progress

Slide from Peter Burnett, ANU

Natural Capital Accounting: A common language and conversation

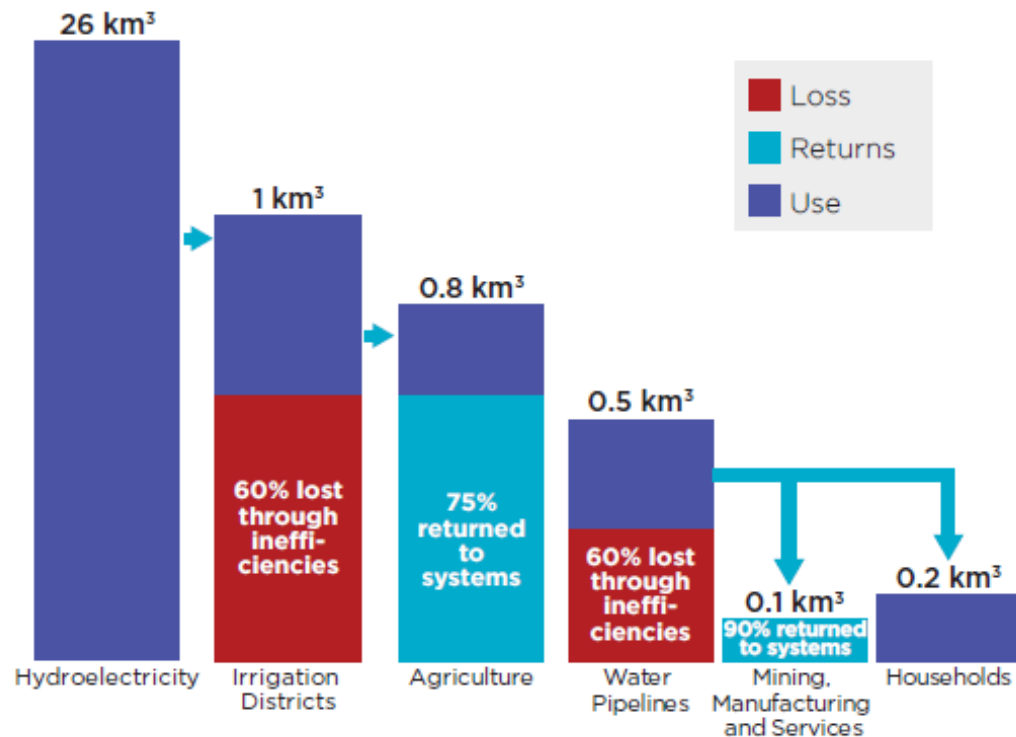


Botswana: are scarce water resources allocated efficiently?



Costa Rica: Water accounts showed inefficiencies in water management

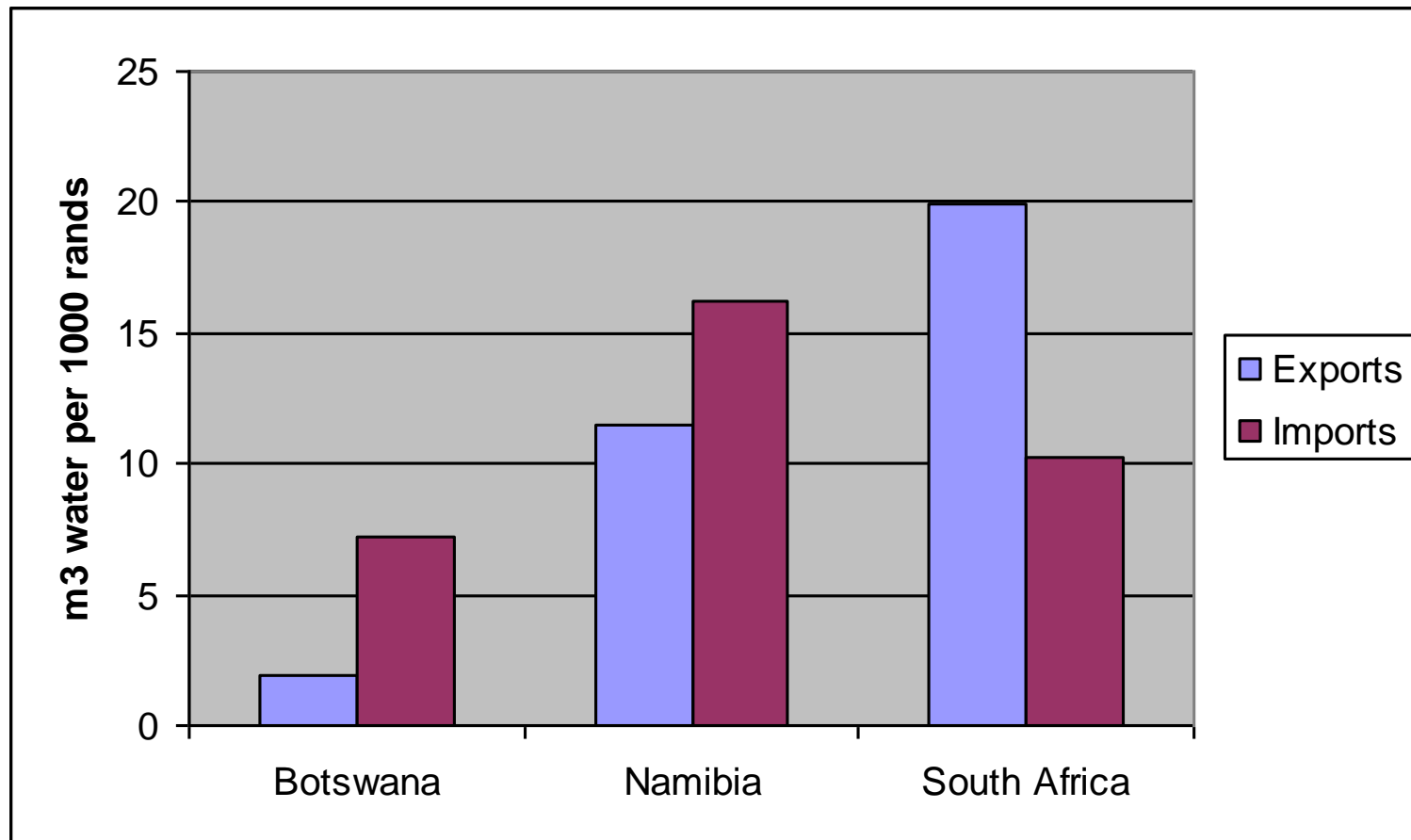
The Water Picture in Costa Rica: 2012
(in cubic kilometers, km³)



Sources: WAVES. 2016. *Preliminary Results from Costa Rica's Natural Capital Accounts*. World Bank: Washington, DC (www.wavespartnership.org/en/node/3233).



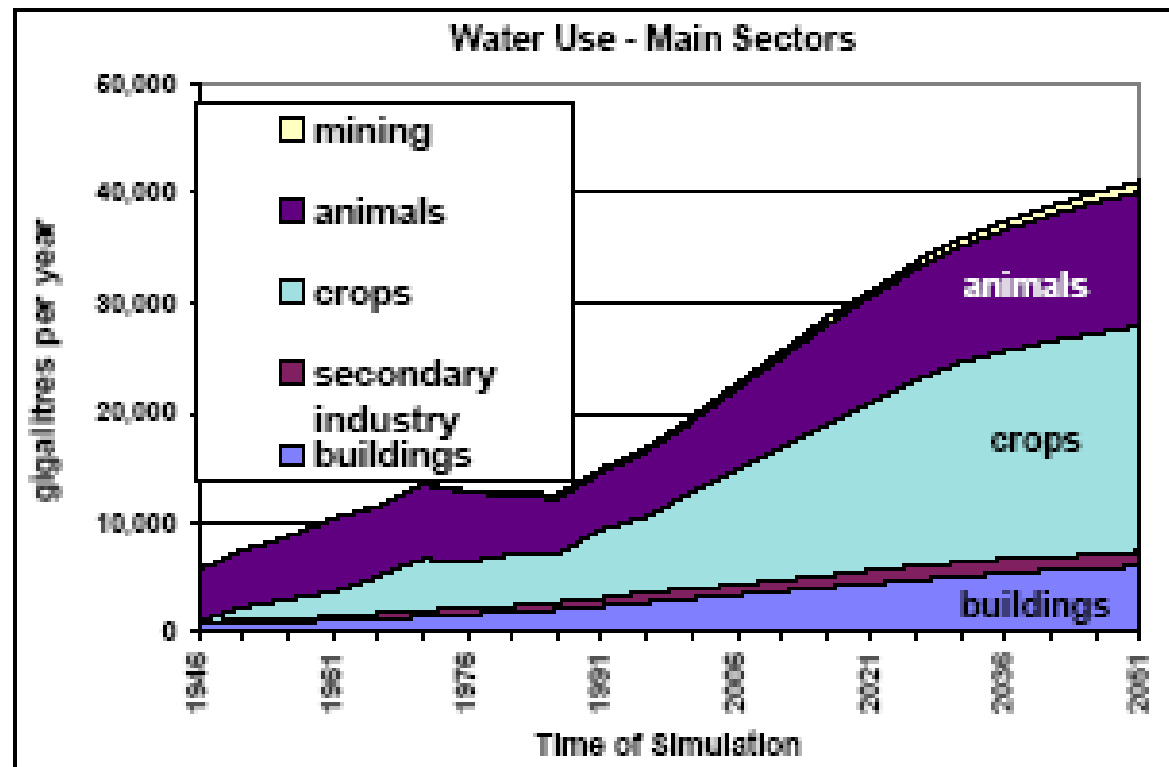
Water intensity of trade (m³ per 1000 rands of imports or exports)



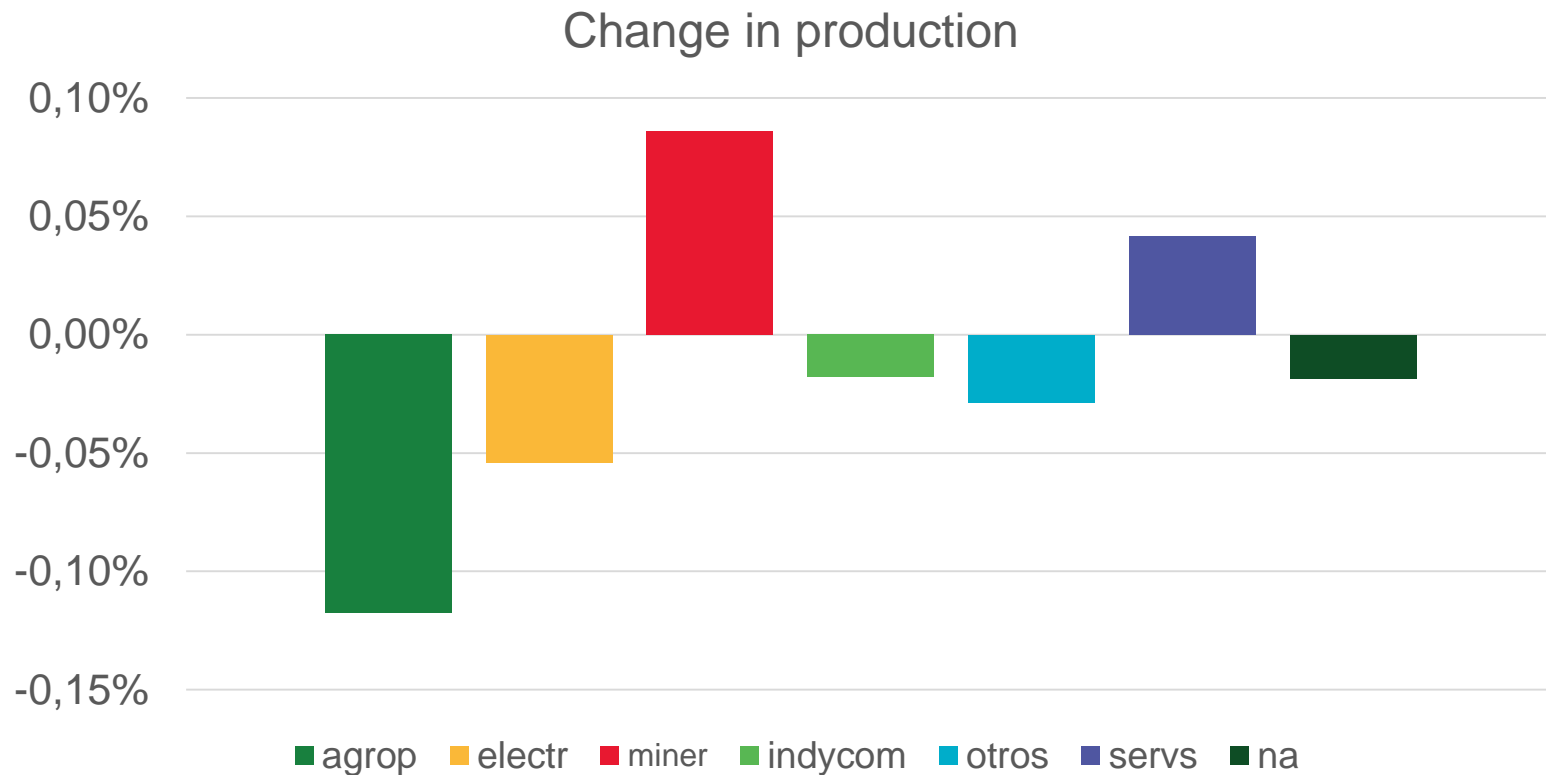
South Africa is net exporter of water not only because **volume** of exports > imports, but also because **water intensity** of exports > imports.

Projecting future water demands Australia, 2050

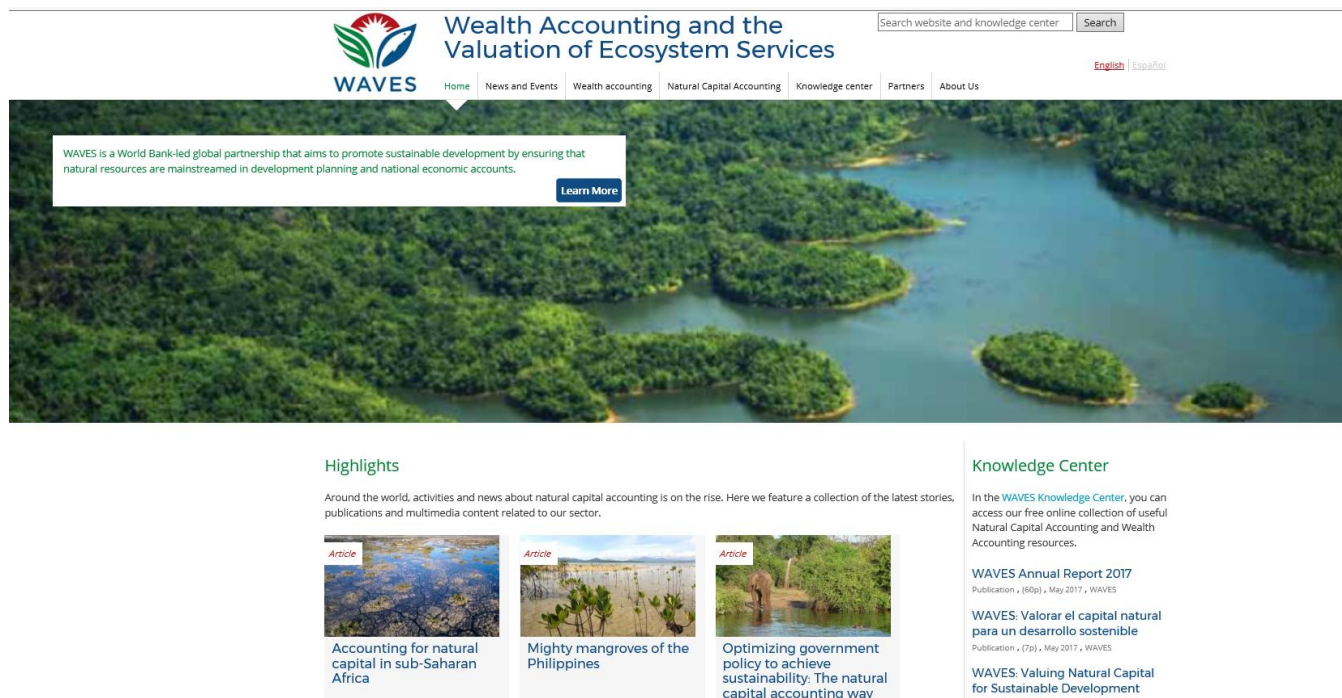
Using economic models that include water use accounts



Colombia – what would happen if charges rise?



Thank you!



The screenshot shows the WAVES website homepage. At the top, there is a navigation bar with the WAVES logo on the left, the title "Wealth Accounting and the Valuation of Ecosystem Services" in the center, and a search bar on the right. Below the title, there is a horizontal menu with links: Home, News and Events, Wealth accounting, Natural Capital Accounting, Knowledge center, Partners, and About Us. A large banner image of a river flowing through a lush green forest is the main visual. Overlaid on the left side of the banner is a text box stating: "WAVES is a World Bank-led global partnership that aims to promote sustainable development by ensuring that natural resources are mainstreamed in development planning and national economic accounts." with a "Learn More" button. Below the banner, the page is divided into two columns. The left column is titled "Highlights" and contains a paragraph about the global rise in natural capital accounting, followed by three article cards. Each card has a small "Article" label, a thumbnail image, and a title. The first card is "Accounting for natural capital in sub-Saharan Africa" with a thumbnail of a wetland. The second is "Mighty mangroves of the Philippines" with a thumbnail of mangrove trees. The third is "Optimizing government policy to achieve sustainability: The natural capital accounting way" with a thumbnail of an elephant. The right column is titled "Knowledge Center" and contains a paragraph about the online collection of resources, followed by three publication entries: "WAVES Annual Report 2017", "WAVES: Valorar el capital natural para un desarrollo sostenible", and "WAVES: Valuing Natural Capital for Sustainable Development".

WAVES Wealth Accounting and the Valuation of Ecosystem Services

Search website and knowledge center Search

English Español

Home News and Events Wealth accounting Natural Capital Accounting Knowledge center Partners About Us

WAVES is a World Bank-led global partnership that aims to promote sustainable development by ensuring that natural resources are mainstreamed in development planning and national economic accounts. [Learn More](#)

Highlights

Around the world, activities and news about natural capital accounting is on the rise. Here we feature a collection of the latest stories, publications and multimedia content related to our sector.

Article
Accounting for natural capital in sub-Saharan Africa

Article
Mighty mangroves of the Philippines

Article
Optimizing government policy to achieve sustainability: The natural capital accounting way

Knowledge Center

In the [WAVES Knowledge Center](#), you can access our free online collection of useful Natural Capital Accounting and Wealth Accounting resources.

WAVES Annual Report 2017
Publication • (80p) • May 2017 • WAVES

WAVES: Valorar el capital natural para un desarrollo sostenible
Publication • (7p) • May 2017 • WAVES

WAVES: Valuing Natural Capital for Sustainable Development

[www. wavespartnership.org](http://www.wavespartnership.org)



WAVES © 2015