

- **What is WAVES?**

- 'Wealth Accounting and Valuation of Ecosystem Services'.
- Global partnership of UN agencies (UNDP, UNEP, UNSC), govts, international institutions, academics, NGOs. >> internationally agreed standards for NCA.
- Funding: European Commission, Denmark, France, Germany, Japan, the Netherlands, Norway, Switzerland, and the United Kingdom.

- **Why?**

- **Main goal:** ` to promote sustainable development by ensuring that natural capital is mainstreamed in development planning and national economic accounts'.
- *WAVES pushes for implementation of Natural Capital Accounting to integrate natural resources in development planning in order to foster informed decision making for inclusive development.*

- Implementing countries; Botswana, Madagascar, Colombia, Costa Rica, and the Philippines.(recently joined Guatemala, Indonesia and Rwanda).
- System for Environmental-Economic Accounts (SEEA) used to account for natural capital, including the regulating ecosystem services which are not easily accounted for.

- **Botswana case study**

- Early Natural Resource Accounting undertaken in the 1990s >> mineral and water accounts; USAID. [DEA & Central Statistics Office]
- More work in the 2000's; update of the mineral and water accounts, new livestock accounts.[DEA]
- A great failure; line ministries/ depts did not properly institutionalize the NRAs, hence could not properly inform decision making as expected.!!

- 2011:

- Botswana becomes one of the WAVES partner countries, upon request by Ministry of Finance and Development Planning.
- Botswana scoping study done by Centre for Applied Research & E-consult; broad stakeholder consultations.
- Botswana WAVES programme: 2011/2 - 2015/6.
- WAVES taken on board to assist to inform policy that will optimize natural capital use to stimulate economic growth, diversify the economy and eradicate poverty.

- 2012:

- President of Botswana requests World Bank to give presentation on Natural Capital Accounting to the Botswana Economic Advisory Council (BEAC), ahead of the African Sustainability Summit hosted by BW in May.
- Gaborone Declaration; signed by Heads of State or senior ministers from 10 African states; endorses NCA in May; NCA also strongly endorsed at Rio+20 Summit.
- BEAC expresses great support for WAVES and wishes to

• **BW WAVES Workplan**

- Four main areas of focus

1. *Macro-economic indicators of sustainable development: Is Botswana on a growth path that is sustainable? [develop indicators for natural capital and its changes]*
2. *Mineral and Energy accounts: diversification through coal development [2nd draft of mineral accounts]*
3. *Managing water resources to support long term growth, diversification and poverty eradication. [first phase of water accounts presented in 2012]*
4. *Ecosystem/land accounts--how can proper management of ecosystems contribute to long term growth, diversification and poverty alleviation? Role of Tourism in Botswana's development*

- cross cutting activity- building capacities of line ministries on development and maintenance of accounts, and how to interpret and use WAVES outcomes.

- **Lessons thus far:**

- Broad policy support in Botswana for NCA.
- BEAC has shown particular interest in the Water accounts, and have thus been prioritised in the WAVES Workplan. Led to full institutionalisation of accounts at DWA.
- Line ministries (e.g. DWA/ MMEWR) cannot do it alone; support needed from Statistics Botswana, leading economic sectors (agriculture, mining & industry) and from MEWT. Role of MFDP is also vital for the use of the results in Mid Term Review and NDP11.
- Appropriate institutional framework for WAVES essential for the success of the components. [Ministry of Finance and Development Planning]