

Accounting for low carbon development in Africa: Standardized baselines as a tool for supporting mitigation actions

UNFCCC Regional Collaboration Centres

Lome and Kampala, 13 April 2015, Africa Carbon Forum



The big picture

World Trends 2030

Demographic patterns will shift	Some “ageing” societies will experience a decline in economic growth however need for health care and other services increase. Some “youthful” societies will experience a rise in economic growth increasing need to provide services and infrastructure for young people.
Inter-dependency will increase	Networks and coalitions will become increasingly important amongst countries to leverage natural resources.
Food, water and energy resource needs will increase	As population size increases, consumption increases demand for use of natural resources
Rising middle class	Improved lifestyles bring demand for technology; infrastructure development, health and sanitation; energy etc.

Source: ISBN 978-1-929667-21-5

www.dni.gov/nic/globaltrends



The big question

What can we do now to constructively prepare for these future trends at national and international level?

- **Develop a low carbon economy**
- **Increase international cooperation on food, water and energy issues**
- **Create work opportunities for the population**
- **Create more opportunities for individuals to participate in the economy**

All these can be sustainably achieved through active participation in climate change mitigation and adaptation measures



It starts here – knowing where you are now

STANDARDIZED BASELINES

The mandate
The concept



What is a SB?

What it is:

Defines a “standardized baseline” as a **baseline established for a Party or a group of Parties**

What it is for:

to **facilitate** the calculation of ER and removals and/or the determination of additionality for CDM project activities, while providing assistance for assuring environmental integrity;



The concept: zoom in

CDM Methodologies/ tools

- Specific project boundary
- **Project-specific** baseline to be determined
- **Project-specific** demonstration of additionality

Standardized Baselines

- Sector-specific standards (regional, national, or international)
- **Sectoral** baseline (pre-determined)
- Pre-determined additionality using positive list

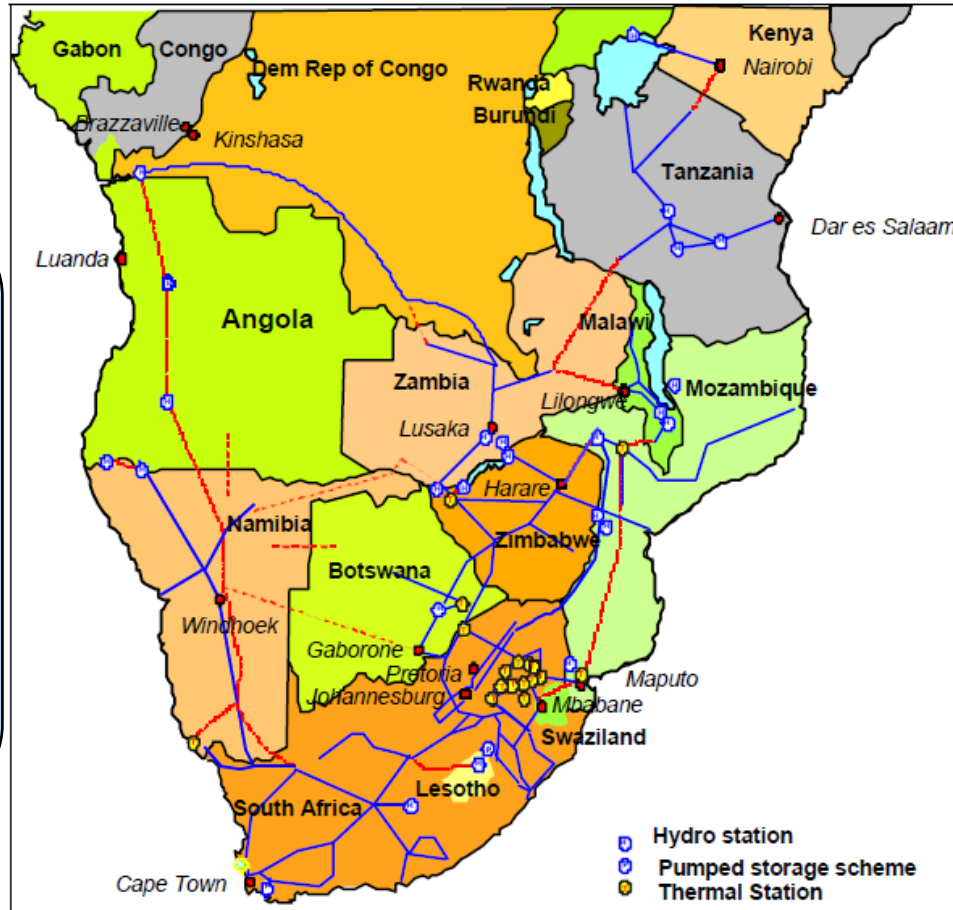


The concept: Southern African Power Pool

METHODOLOGY APPROACH

9 countries
sharing 1
interconnected
grid

9 national grid
emission factors
to calculate



SB APPROACH

1 grid

1 grid emission
factor to
calculate

The concept: Rice mills in Cambodia

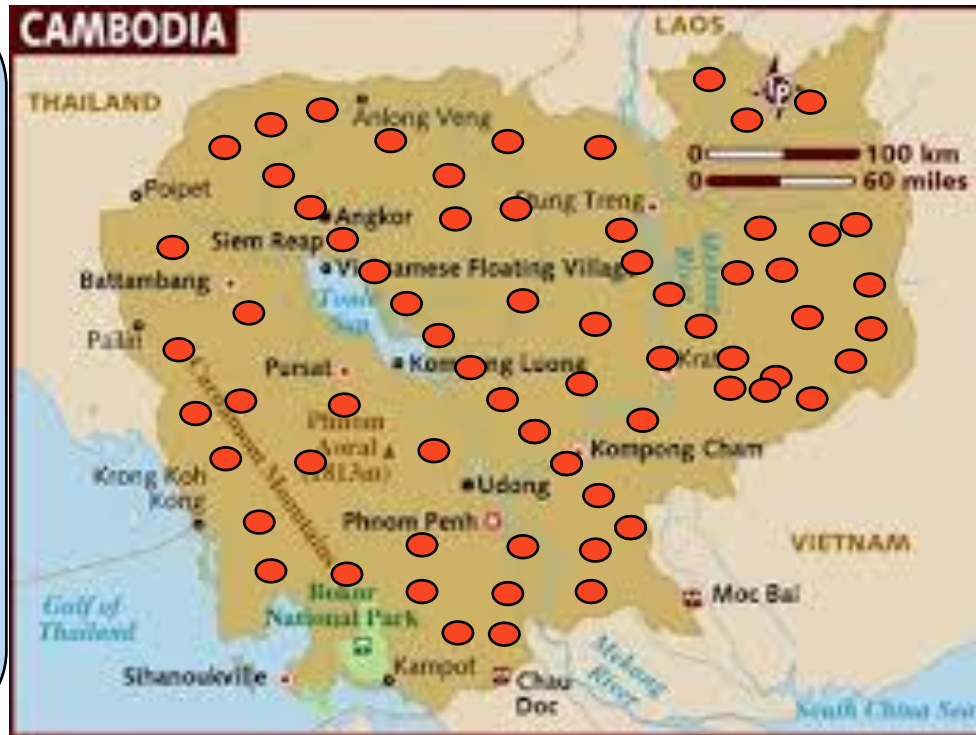
METHODOLOGY APPROACH

Around 22,000
small rice mills
using diesel
engines

So potentially:

22,000 emission
factors

22,000 pages
demonstrating
additionality !!



SB APPROACH

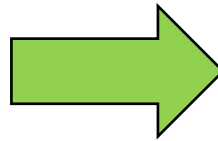
Pre-calculated
baseline for any
small rice mill:

**0.0542 t-CO₂
per tonne of rice**

Alternative
technologies to
diesel engines
deemed
additional !!

The concept: Moving complexity towards the regulator

“..Baseline established ...to facilitate the calculation of emission reductions and removal and/or the determination of additionality”



SB facts: Funding opportunities

SB Procedure describes two funding opportunities:

- A Party with 10 or fewer registered CDM project activities as of 31 December 2010, for the first three submissions may request the Secretariat to prepare the assessment report.
- A Party or group of Parties, each with 10 or fewer registered CDM project activities as of 31 December 2010, may request funding from the Secretariat for the DOE's preparation of the assessment report.

Green Climate Fund (GCF) Readiness Support: SB development proposals highly relevant for all countries



SB Benefit: CDM itself

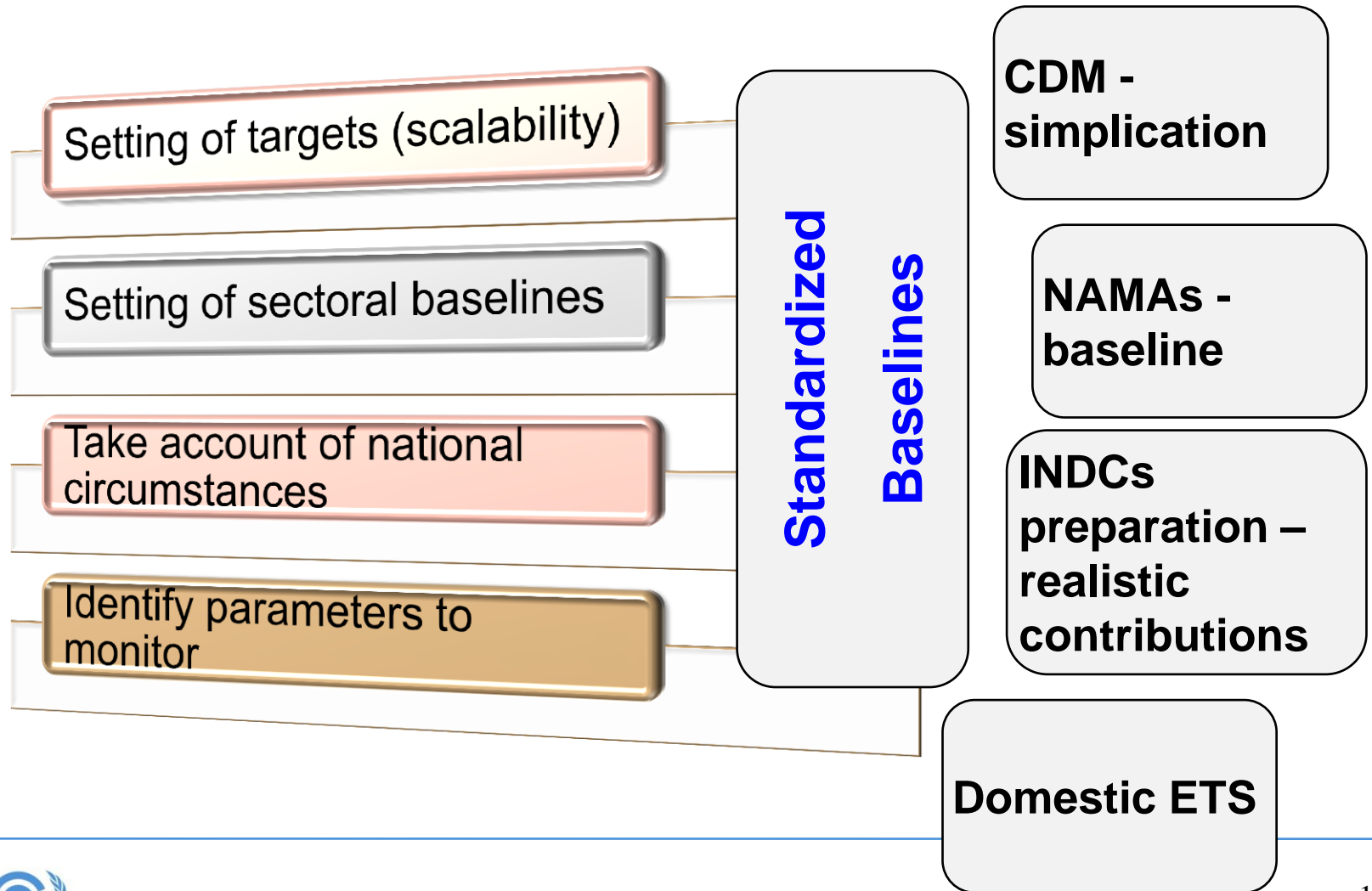
- ❖ Provides
 - ✓ Standardizes baseline scenario (e.g., baseline fuel type is firewood)
 - ✓ Default value as baseline emission factor (e.g., xx tCO₂ per stove)
 - ✓ Additionality (e.g., switch from NRB to RB is additional)
- ❖ Once developed, all projects in the sector will benefit;
- ❖ Much less time required for 3rd party validation;
- ❖ Higher objectivity and environmental integrity

All of the above reduces transaction costs.



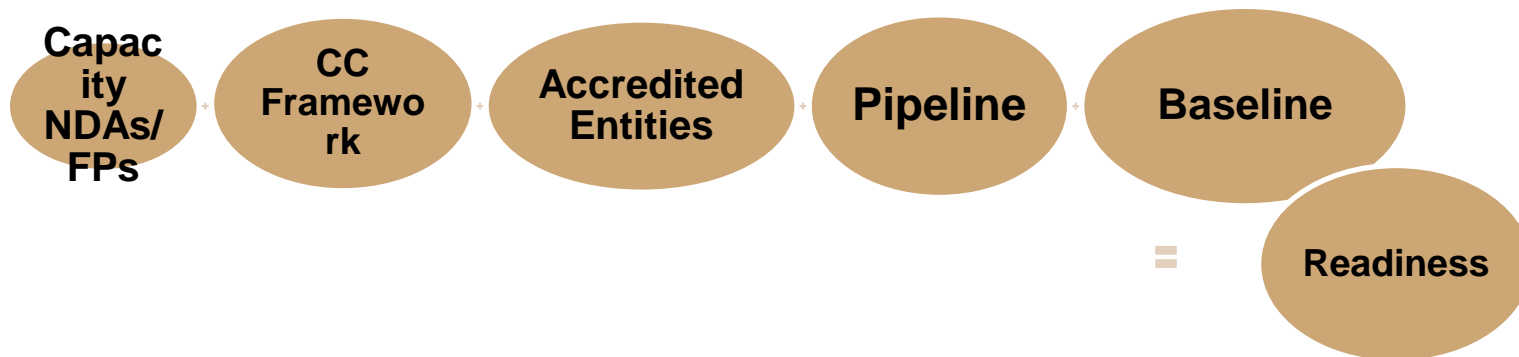
SB benefit: looking forward

Link to current and future mechanisms/facilities



Your GCF readiness request should include SB

What does readiness mean?



Include in your readiness support request to GCF: a component to develop standardized baselines for your country.



This is a key time for Africa, with its rising economic potential and young, growing populations vulnerable to climate change to seize all the rising opportunities emerging in 2015. (Christiana Figueres, UNFCCC, 09 April 2015)

Source: <https://www.ghanabusinessnews.com/2015/04/09/a-paris-climate-agreement-africas-opportunity-for-a-sustainable-century/>



Are we ready?

Discussion



THANK YOU !

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