



CLIMATE CHANGE : COP21 to COP22

Main COP21 Outcomes

Heavy Floods



Drought



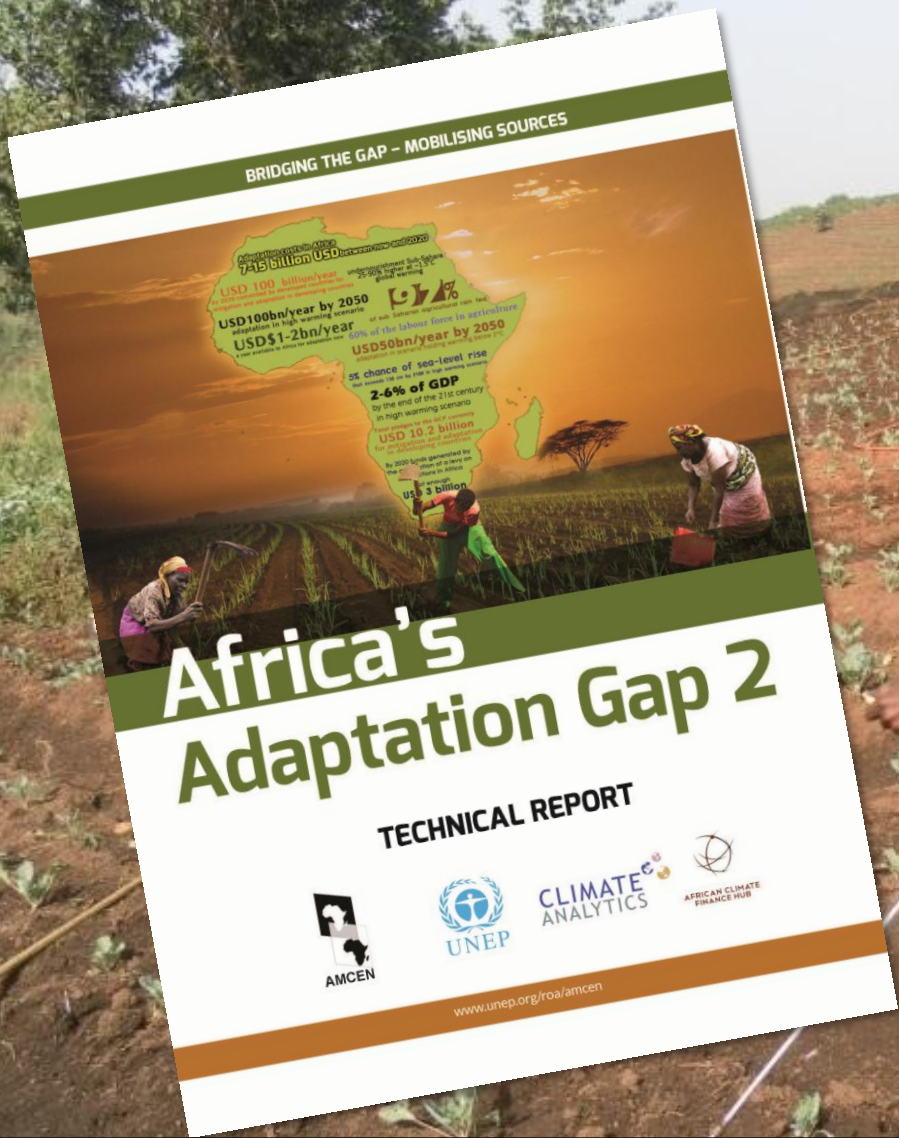
**African
challenges**

Food Insecurity



Climate Change





The 2015 Africa Adaptation Gap Report 2 (AAGR2) unequivocally pointed that Africa is the region that will experience climate deviation earlier than any other continent and this is already happening



40%

The 2015 UNEP Africa Adaptation Gap Report observes that for a below 2°C global warming scenario the agriculture sector will be hit by up to 40% yield declines



Decline in agriculture will lead to a 25 – 90% increase in incidences of undernourishment putting 50% of Africa's population under risk of undernourishment, and economic losses given that the sector employs up to 64% labor and contributes up to 34 % to GDP on average



Agriculture

25%

240 million people lack adequate food

200 million

Malnutrition is high affecting nearly **200 million people** and is the cause of death for over **50%** of children below 5 years



82%

Up to **82%** of child under-nutrition cases are not properly treated. This poses a huge threat to the future of Africa

1.9-16.5 %

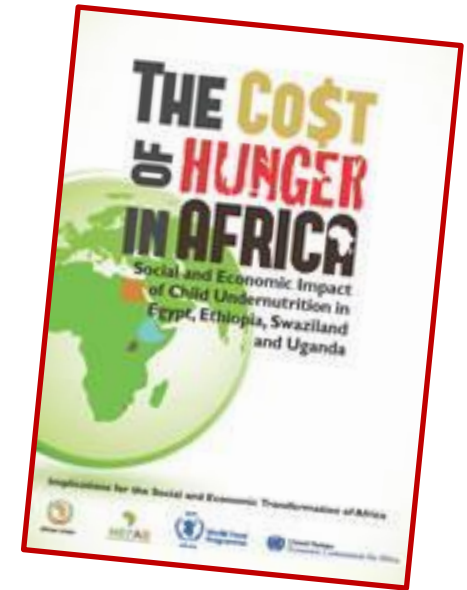
As a result of child under-nutrition Africa stands to lose the equivalent of **1.9 to 16.5 per cent of GDP annually.**



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GAPS MITIGATION IN VIEW OF THE COP21 PARIS AGREEMENT



In light of these risks of a 2°C warming scenario, Africa's desire going into Paris was expressed at the 15th AMCEN session and was for an ambitious global mitigation regime to keep average global temperature rise "below 1.5°C". A below 1.5°C warming scenario is the best insurance against soaring adaptation costs in Africa and unprecedented climate impacts

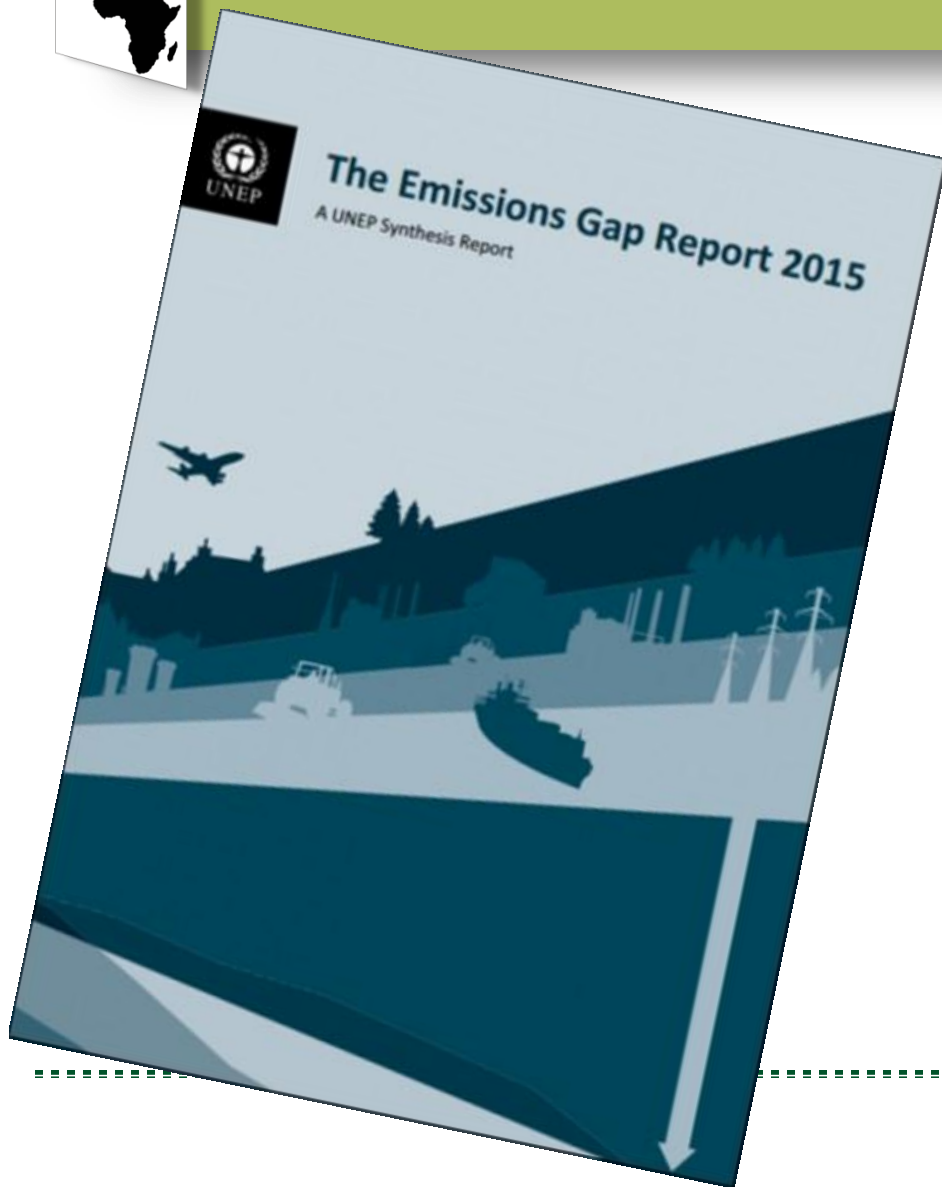
PARIS TAKE - ARTICLE 2



Article 2 of the Paris Agreement expresses an imperative for a “well below 2°C warming” while expressing a long-term intention to pursue efforts towards this lower increase of “1.5°C” in the average global temperature rise above pre-industrial levels.

Warming projections under medium scenarios indicate that extensive areas of Africa will exceed 2°C by the last two decades of this century relative to the late 20th century mean annual temperature

2015 EMISSIONS GAP REPORT



UNEP 2015 Emissions Gap Report, concludes that the full implementation of INDC pledges by countries going into Paris were far from enough and put the world on track for warming of around **3-3.5°C by 2100** with over 66 per cent chance.

*In Africa's context, this is well above the already **unsafe limit of a "well below 2°C"** scenario expressed in Paris*



**US\$ 50
Billion
by 2050**

2°C





US\$ 100
Billion by
2050

4°C





GAP IN ADAPTATION & FINANCE



In adaptation, in line with the 15th AMCEN's Cairo Declaration, going into Paris, the aim was to achieve parity between adaptation and mitigation, including in allocation of finances and urgency.



ARTICLE 9 ON FINANCE



Article 9 on finance captures obligations of developed countries to continue providing finance to developing countries for their mitigation and adaptation efforts, with developing countries encouraged to provide that support on a voluntary basis. Section III **paragraph 54** of the outcome document captures a re-commitment by developed country parties to continue with mobilization efforts of **the \$100 billion** annually Cancun commitment **by 2025 in line with Article 9(3)**.

THE GAP



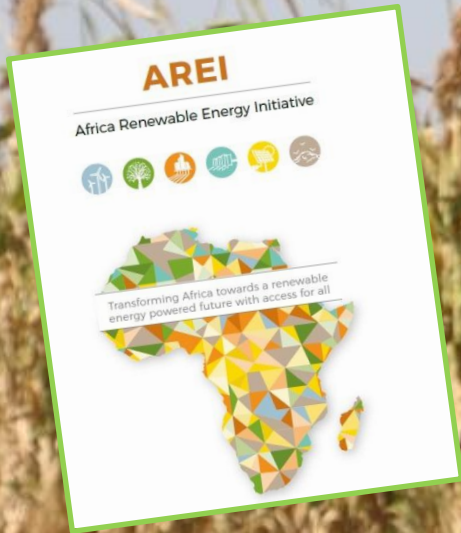
While developed countries pledged up to **\$100 billion** annually to the green climate fund (GCF) by 2020, and this pledge and the need to fast track its achievement was reiterated in Paris under **Article 9**, it's capitalization is only about **\$10 billion**





Addressing gaps through Strategic and Operational positioning- Post Paris Agreement

AAI



IMPLEMENTING COP21 & TAPPING OPPORTUNITIES TO OPTIMIZE PRODUCTIVITY OF AFRICA'S AGRICULTURE



Right approaches that work with nature, the agriculture sector can simultaneously contribute to socio-economic growth and ensuring Africa fulfils its climate obligation under the deal

LINKING ECOSYSTEMS BASED ADAPTATION APPROACHES (EBA) DRIVEN AGRICULTURE



Linking ecosystems based adaptation approaches (EBA) driven agriculture for on-farm production to clean energy and post farm gate commercial value chains especially efficient linkage to supply & demand markets and access to agro-value chain .

ARTICLE 7 ON ADAPTATION



EBA is an adaptation technique, which also enhances capacity of ecosystems to continue providing ecosystem goods & services that enable communities to adapt to climate change

MINIMIZING SOURCES



Post-farm gate value addition using renewable energy for processing will minimize emissions sources related with food proces

ICTS – ENHANCING AGRO-VALUE CHAIN EFFICIENCY BY IMPROVING MARKET ACCESS AND FINANCE



On-farm production - mechanization using technologies that ensure conservation practices e.g. modified tractor equipment to factor in conservation practices e.g. no-till, mulch-till

ENHANCING SINKS



Embracing EBA approaches such as farmer managed natural regeneration, agro-forestry to simultaneously improve yields while enhancing forest sinks and carbon sequestration

ARTICLE 3 ON INDCS: ACTUALIZING ADAPTATION & MITIGATION



Africa's industrial emissions are negligible as opposed to land-based emissions as a result of agricultural practices, land use change and deforestation. Degradation is prevalent and costing Africa up-to \$68bn annually



Investing in EBA provides practical strategy

Consequently, a majority 60% of Africa's INDCs are land based on reversing degradation and emissions from land degradation and on leveraging the continents significant renewable energy potential to bridge the energy divide and actualize clean inclusive development

OPTIMIZE AFRICA'S AGRO-VALUE CHAINS

Off-grid/mini grid clean energy



**EBA
Approaches**

PRIMARY INPUTS



Farmland



Greenhouse



Seed /



Equipment



Crop
Protection

PRODUCTION & PROCESSING



Food
Processing



Food
Packaging



Vegetable
Protein



Poultry



Dairy



Seafood



Produce
Processing



Sugar /
Ethanol



Corn
Processing



Oilseed
Processing



Beverage
Processing



Value-Added
Processing

TRANSPORTATION & INFRASTRUCTURE



Storage



Rail



Shipping



Cold
Storage



Distribution

ADAPTATION AND ECOSYSTEMS RESTORATION FARMER-MANAGED NATURAL REGENERATION (FMNR)



In Senegal, farmers using the FMNR technique have regenerated indigenous trees on 40 000 hectares of cropland. This ecological technique has increased tree density on cropland from an average of 4 to 33 trees per hectare and improved soil fertility.



In Niger, FMNR has populated over 5million hectares with trees, and in Mali, over 500,000 hectares.

ADAPTATION AND ENHANCING ECOSYSTEMS FARMER-MANAGED NATURAL REGENERATION (FMNR)



FMNR in Ethiopia has restored 2 700 hectares of barren mountain terrain. Reported benefits include increased food security and reduced poverty through increased income from forest products and livestock fodder.

NIGER REHABILITATED 300 000 HECTARES OF ITS CRUSTED AND BARREN, LANDS

Niger rehabilitated 300 000 hectares of its crusted and barren, lands by promoting simple soil and water conservation techniques – zai” traditional planting pits



TAPPING INTO COP21 OPPORTUNITIES



Linking EBA-driven agriculture to clean energy as a pathway to optimize productivity of Africa's agriculture and agro-industrialization will ensure Africa's agriculture has the *locus standi* within the Paris agreement to tap into opportunities in the deal.



working through framework initiatives like the EBAFOSA, that convene cross-cutting stakeholders – public/government, private, academia, individual professionals, other development partners for mutual partnerships that leverage their respective relative strengths towards actualizing sustainable agro-industrialization provides a practical means to this end. Through prioritizing the above, Africa can leverage implementation of the Paris deal for structural transformation and inclusive poverty reducing growth



EBAFOSA – THE DELIVERY PATHWAY



The innovativeness of EBAFOSA strengths to bridge gaps in policy processes, financing, technology, techniques, skills, markets, commercialization, and continental exchange of best-practice towards a common aim

EBAFOSA BENEFITS

GOVERNMENT

Enriching policy development and delivery in food security, climate adaptation, ecosystem productivity, environmental sustainability and job creation;

supporting governments to domesticate relevant continental and global development blue prints on leveraging ecosystems for food security, inclusive growth and sustainable industrial development so benefits accrue at country level;

job creation for youth through leveraging global, continental and country level supply and demand side agro-value chains;

facilitating partnerships including PPPs leading to increased investments through providing a networking platform;

country branding through leveraging the EBAFOSA continental and global appeal.



•EBAFOSA provides a continental platform for business to business and business to consumer networking and partnership,

•Business to government partnership, business to educational and research institution partnerships along areas of mutual interest- food security, climate change adaptation, job creation and employment.

EBAFOSA is a platform that brings together many complementary actors across the continent and globe in a mutual relation.

It provides an opportunity for national level businesses to network with contemporaries across the continent and the globe.

EBAFOSA facilitates creation of more income opportunities. By focusing on upscaling policy and practice that facilitates optimization of the entire EBA-value chain.

Facilitating the entire value chain holistically through appropriate policy means more opportunities are created for income generation.



PRIVATE SECTOR

EBAFOSA



INDIVIDUAL MEMBERS

Interaction across and within sectors to foster technical capacity building, opportunities to foster incubation of ideas, employment opportunities etc.

EBAFOSA provides a platform where continental institutions can build mutual partnerships between themselves and also across sectors with private sector, international organizations, NGOs across countries, at continental levels and global level.

EDUCATIONAL



INTERNATIONAL ORGANISATIONS

By focusing on leveraging Africa's natural capital and ecosystems to upscale EBA-driven agriculture

Beyond existing strategies, EBAFOSA also provides a platform for actualizing the SDGs for Africa.

EBAFOSA's mandate to leverage Africa's ecosystems and natural capital toward upscaling EBA-driven agriculture

EBAFOSA rollout will indirectly contribute toward achievement of the overarching

EBAFOSA provides these organizations with a platform through which their mandate can be delivered at a broader scale.

It also provides opportunity for technical capacity building and partnerships as interactions are fostered across diverse sectors.



NGOS CSOS CBOS EBOS ETC

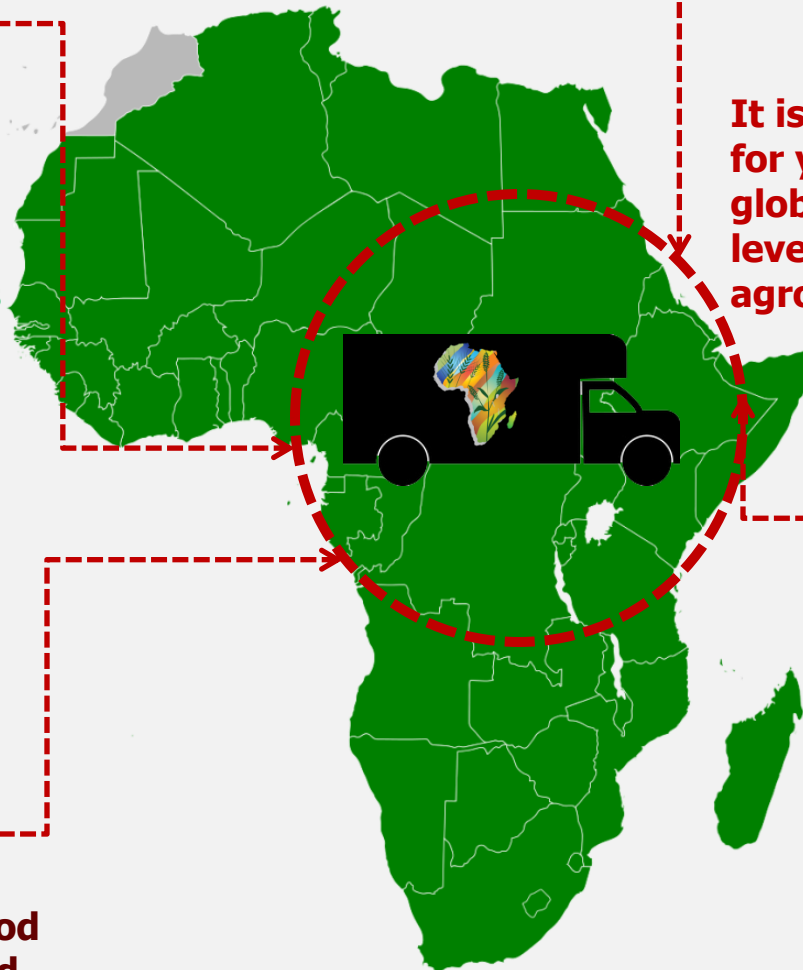
BENEFITS TO GOVERNMENTS



An engine for investments facilitating partnerships & networking leading to PPPs and other mutual interactions with the private sector for economic development



It is an engine of- job creation for youth through leveraging global, continental and country level supply and demand side agro-value chains;



Leveraging ecosystems for food security , inclusive growth and sustainable industrial development.



Leveraging country levels supply & demand side agro value chains

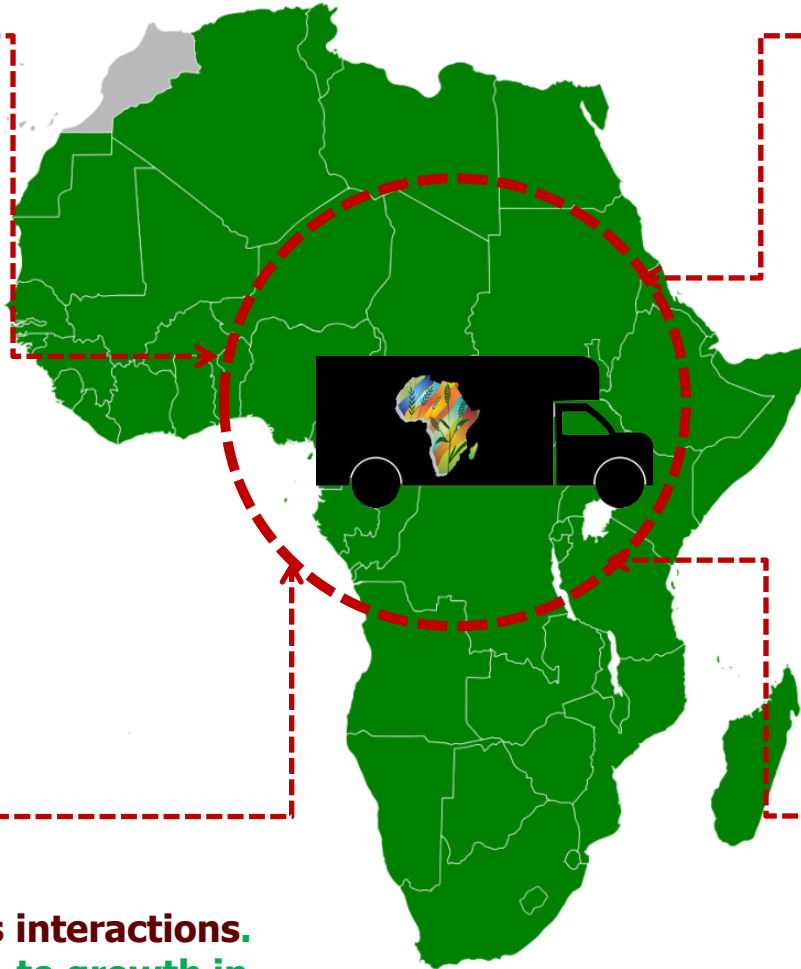
BENEFITS TO PRIVATE SECTOR



Linking business to government partnership along areas of mutual interest e.g. food security



Continental platform to link business to educational & research institutions.



Linking business to business interactions. fostering broad interactions, to growth in clientele, markets, influence and ultimately revenues



Linking business to consumer networking and partnerships

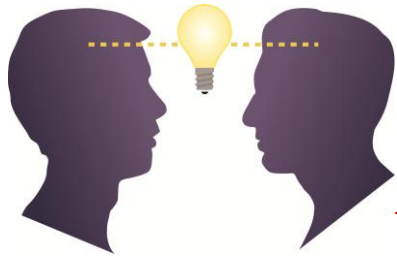
BENEFITS TO NGOS, CBOS AND OTHER CSO'S



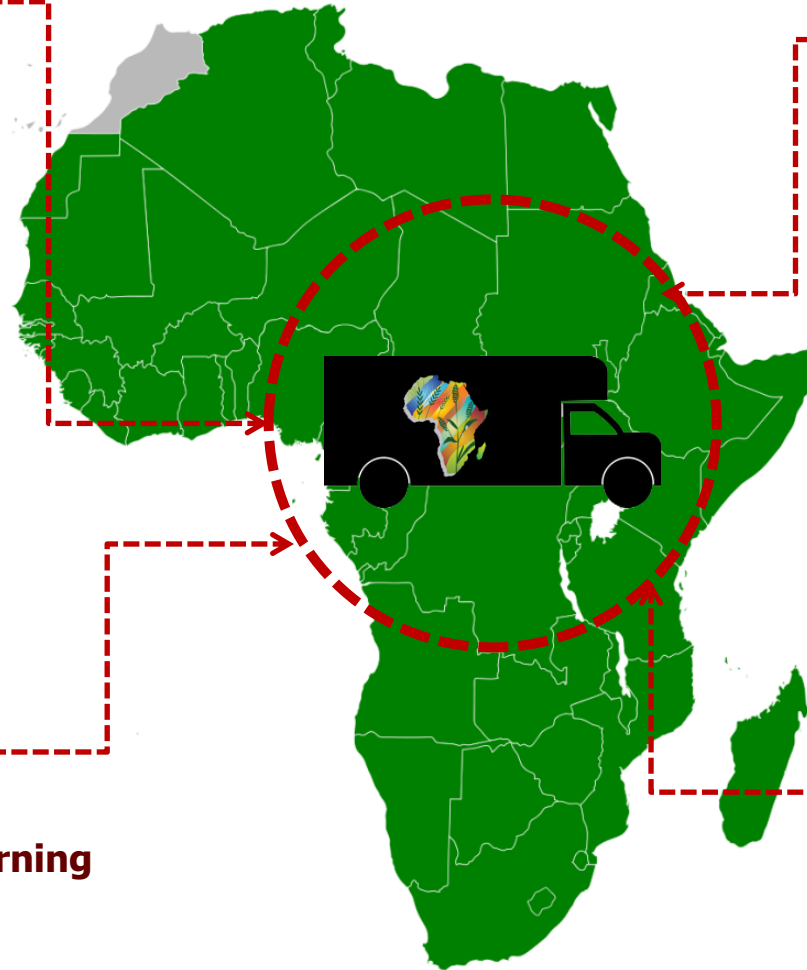
EBAFOSA provides a platform through which their Mandate can be delivered at a broader scale to benefit more people



Platform for capacity building for local NGO's via interactions



Facilitates peer-to-peer learning techniques and approaches



Platform for interactions with Research institutions and the private sector





The SDGs and Agenda 2030 promise to **leave no one behind**.
The AU Agenda 2063 promises to **give us the Africa we**



THANK YOU!



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