

Climate smart agriculture

an emerging African Vision

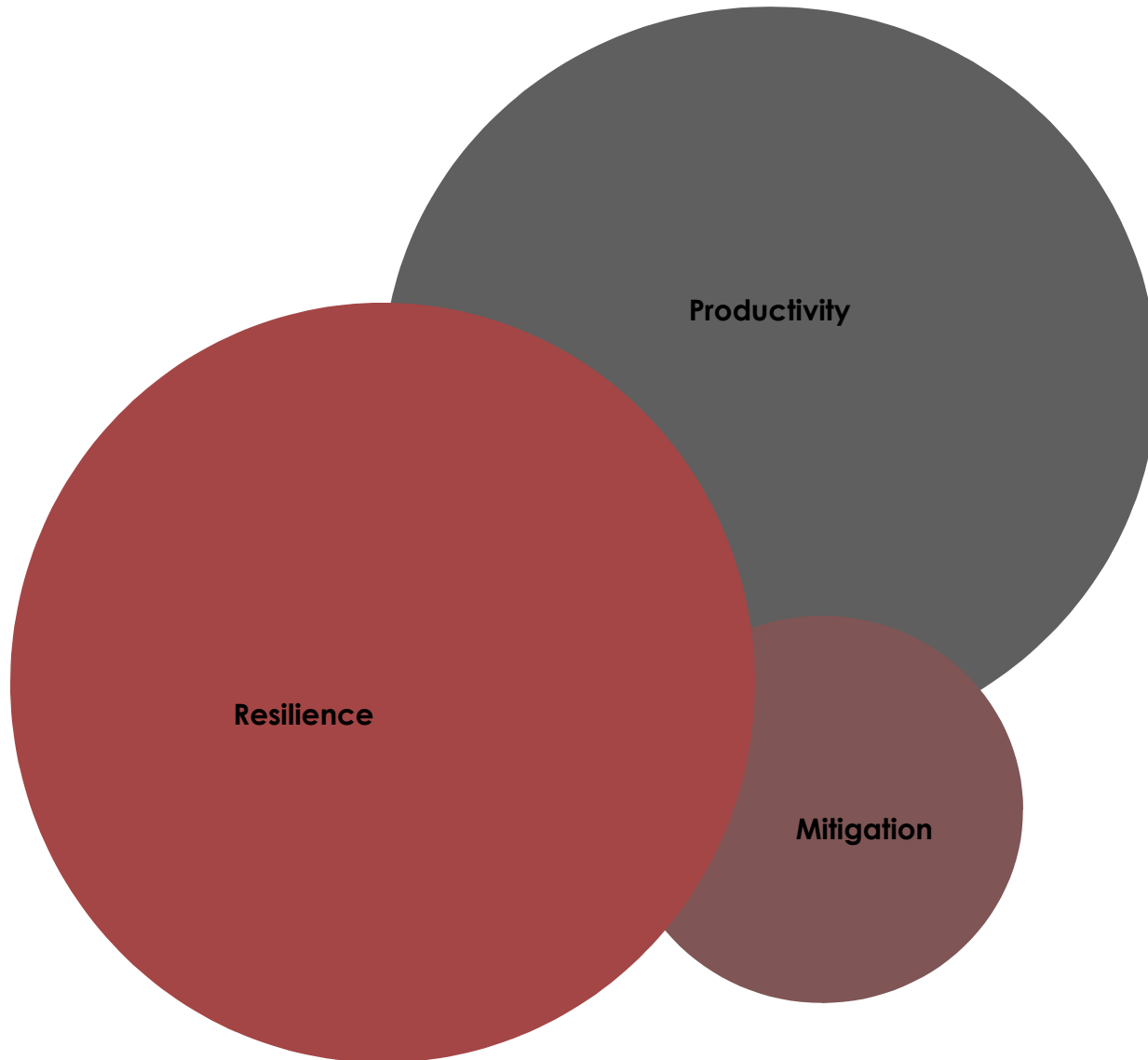
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CSA in the African context



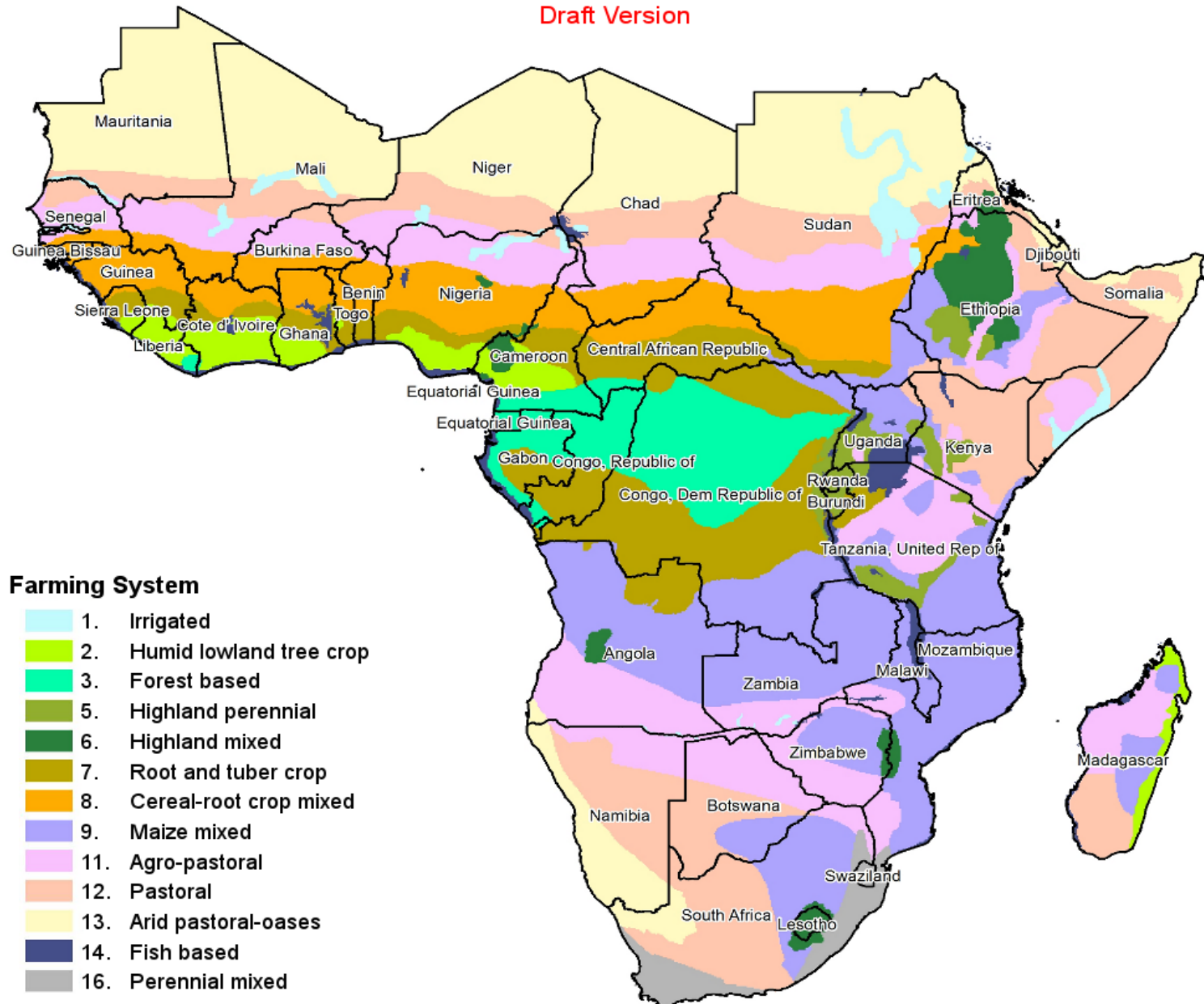


African Climate Smart Agriculture Alliance
Vision 25by25
25 million farmers practicing CSA by 2025



The farming systems of Africa

Draft Version



Maize-mixed: Aggregated Assessment

Africa: Maize-mixed

Aggregated Assessment

Practices		Production	Resilience	Mitigation
Soil fertility	Nitrogen fertilizer (e.g. urea) ‡	+++	+/-	-
	Integrated nutrient mgmt. (e.g. banding, microdosing) ‡	++		-
	Reduced residue burning γ	++	+	++
	Reduced tillage / no-till γ	+	+	+
	Green manures (reduced fallow) γ	+++	++	
	Fertilizer trees (e.g. Faidherbia albida) γ	+++	+++	++
	Conservation agriculture (mulch, no-till, etc.) γ	++	++	++
	Conservation ag with fertilizer trees ‡	+++	++	+++
	Grain, livestock, and fertilizer tree integration ‡	+++	++	++
Genetics	Improved crop variety (breeding, engineering) γ	++	++	+
Water use	Water pumps for irrigation (petrol) ‡	+++	++	-
	Irrigation techniques (amount, timing, technology) γ	++	++	+/-
	Microcatchment (e.g. Zai pits, microbasins, terracing) ‡	++	++	
	Rainwater catchment, storage, delivery (e.g. farm ponds) ‡	++	++	
Information Technology	Planting date recommendations γ	++	++	
	Sentinel warning systems (drought, pests) γ	+	++	





THIS IS THE FUTURE

Maize farming in a *Faidherbia* agroforest in Mbarali District, Southern Highlands, Tanzania. 2008

Photo: Saidi Mkomwa



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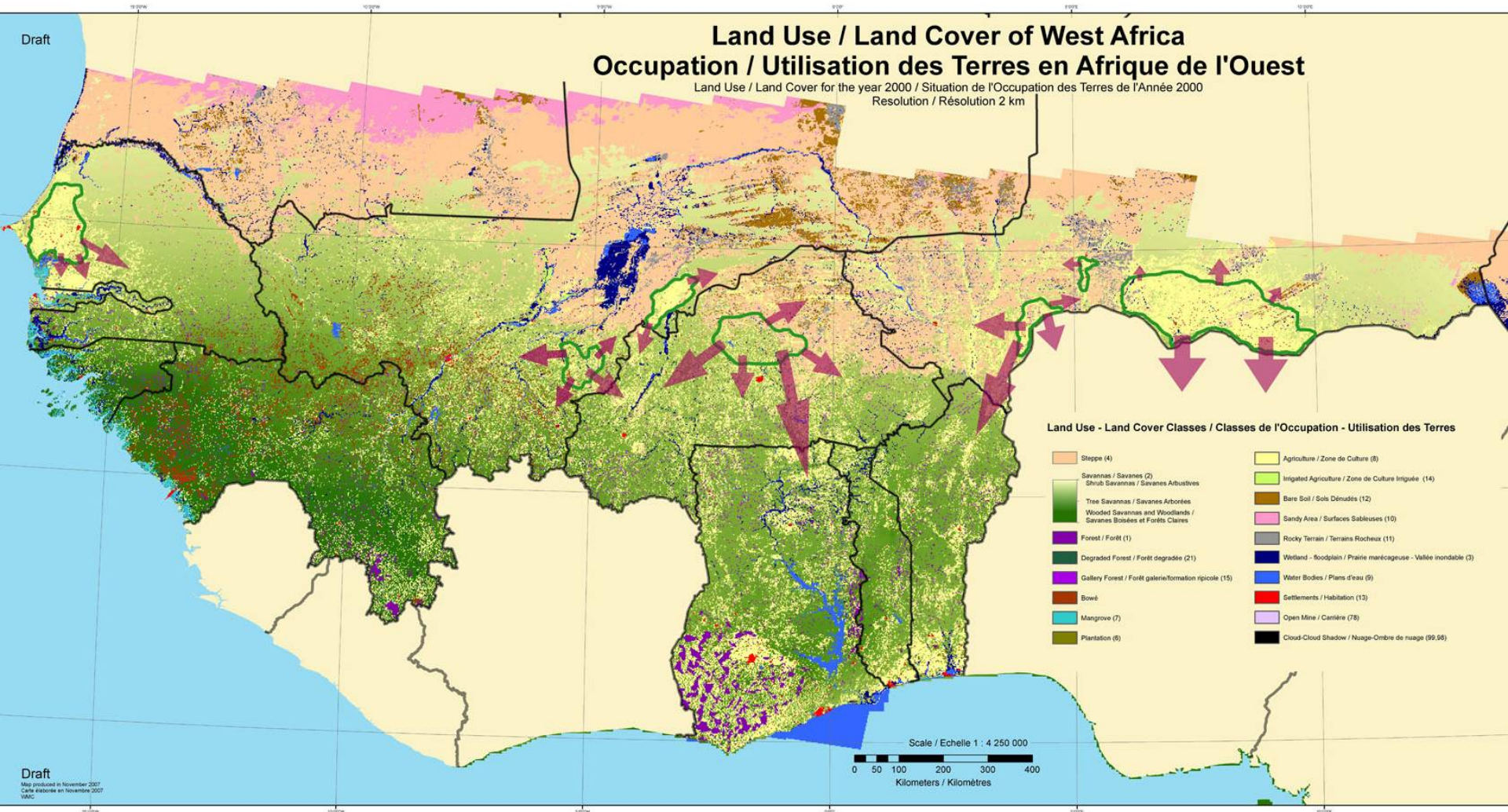
African farmers have shown us the way to successfully integrate trees into cropping systems:



Five million hectares of croplands now dominated by fertilizer-fodder-fuewoodtrees in Niger

Major agroforestry regions in West Africa and

directions of expansion



Climate-Smart Agriculture

Africa: A Call
to Action



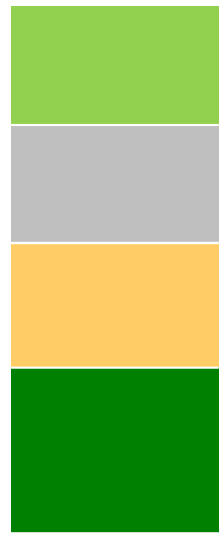
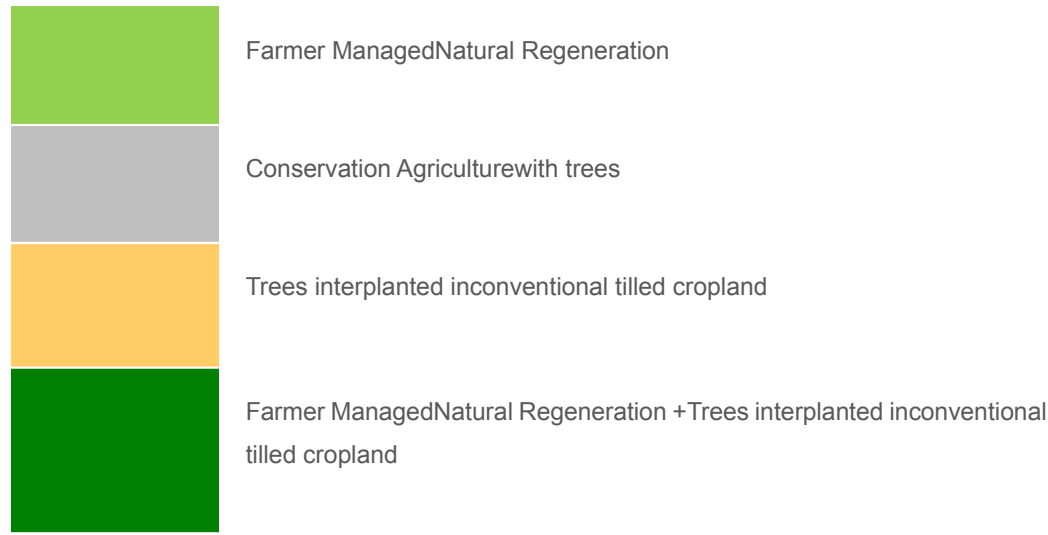
THE WORLD BANK



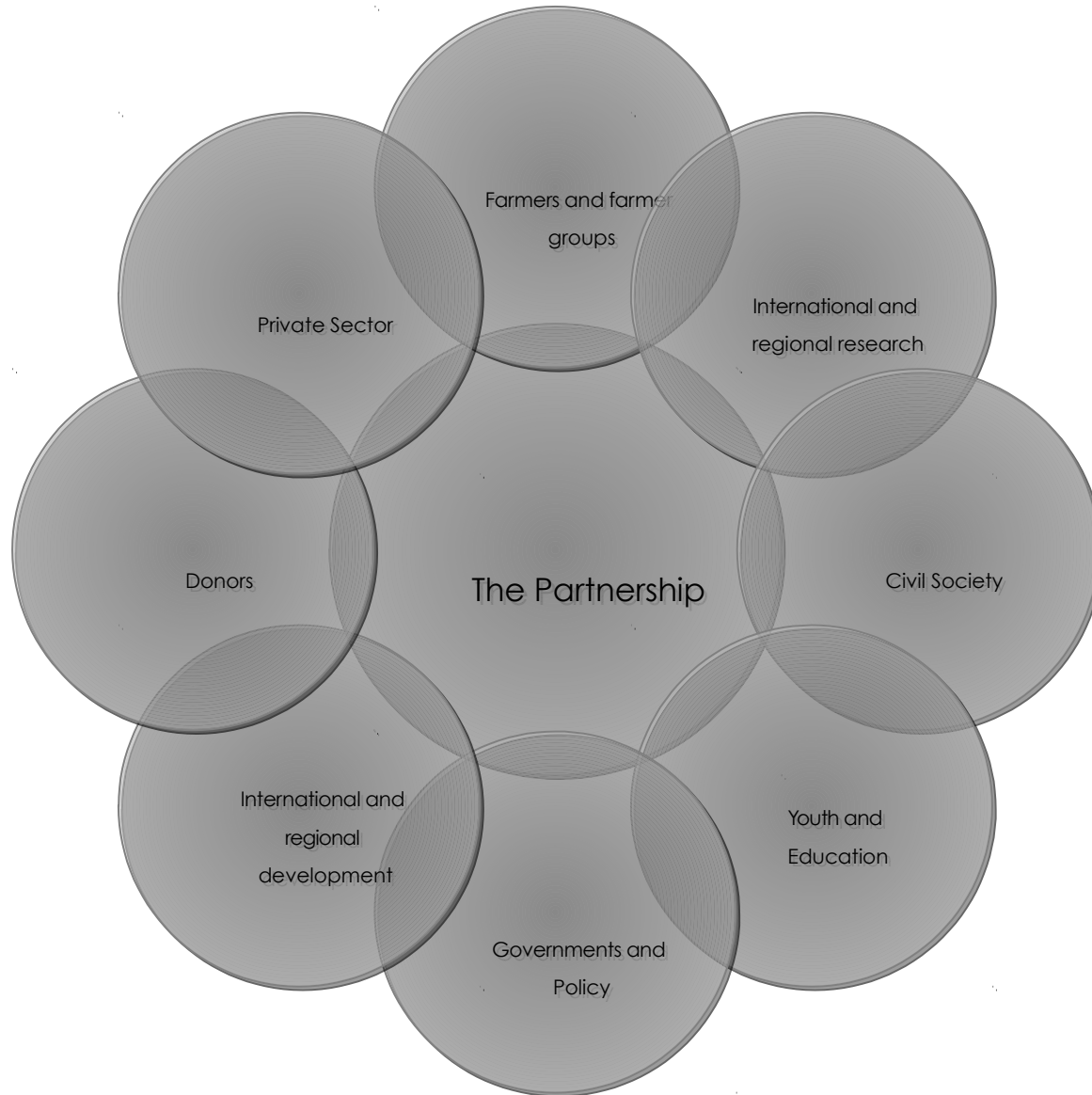
World Bank
Institute



17 Countries
engaged in
EverGreen
Agriculture
in Africa



EverGreenAgriculture Partnership



Conclusions – Way Forward

- **The approach of EverGreen Agriculture has taken root** in Africa, and is spreading rapidly
- **Millions of smallholders** are adopting effective land regeneration methods
- **Many nations are creating the policy and institutional environments** to favor adoption
- **USAID could be instrumental** in expanding the scope for EverGreen Agriculture in Africa
- **The African CSA Alliance** provides a great platform to reach 25 million farmers with CSA practices including EverGreen Agriculture during the coming decade.