

Use It Sustainably or Lose It! The Land Stakes in SDGs for Africa

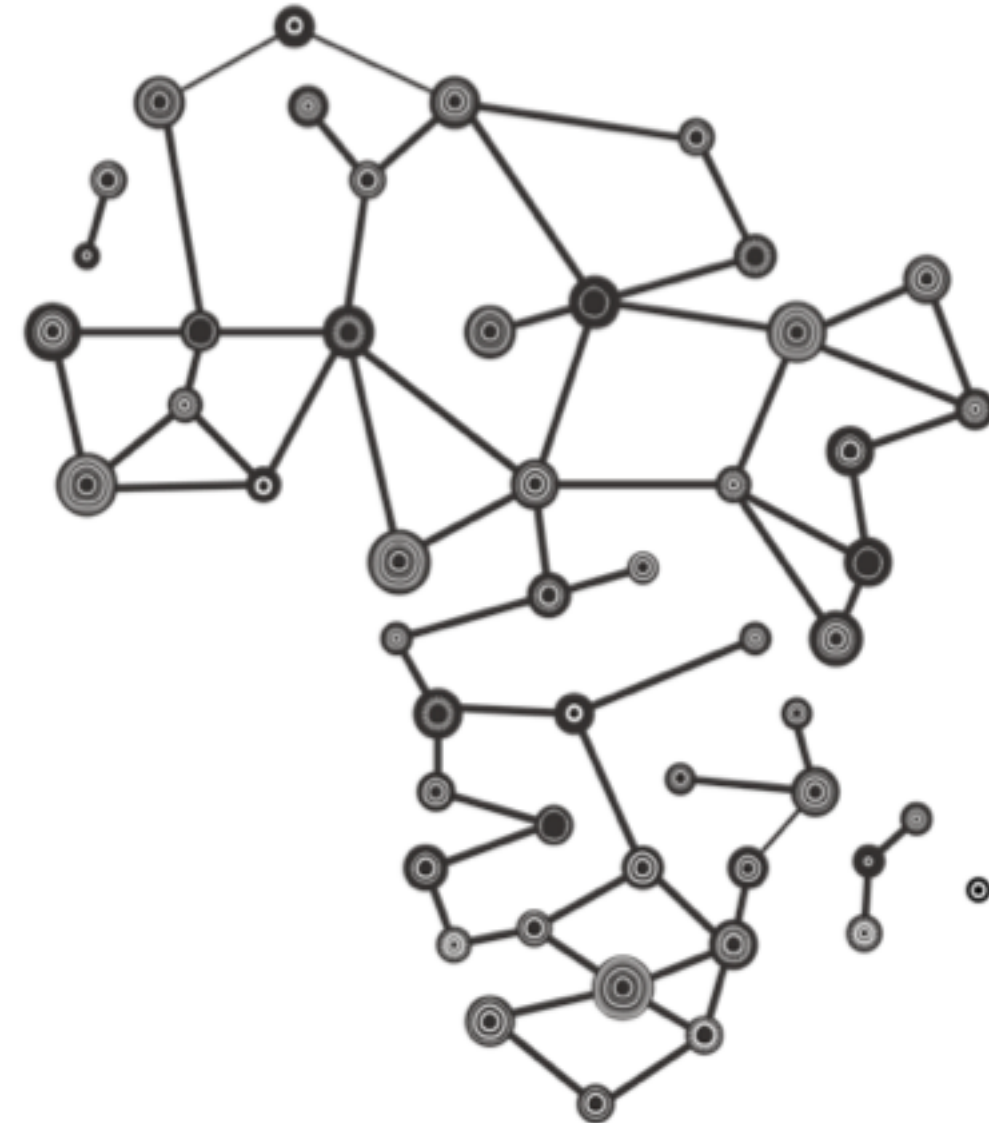
Cheikh Mbow

10-09-2020

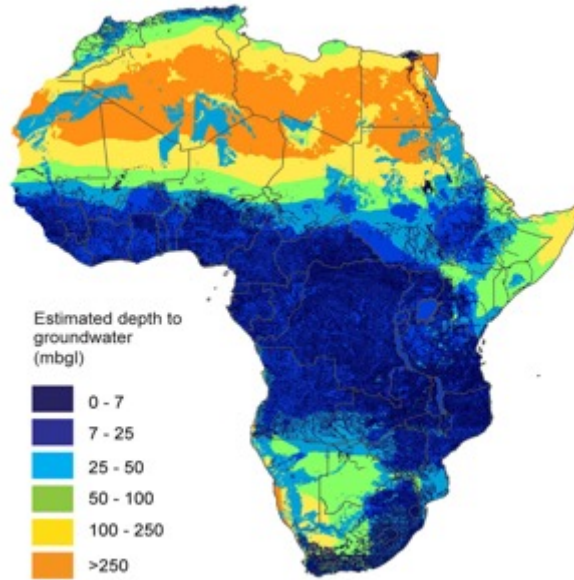
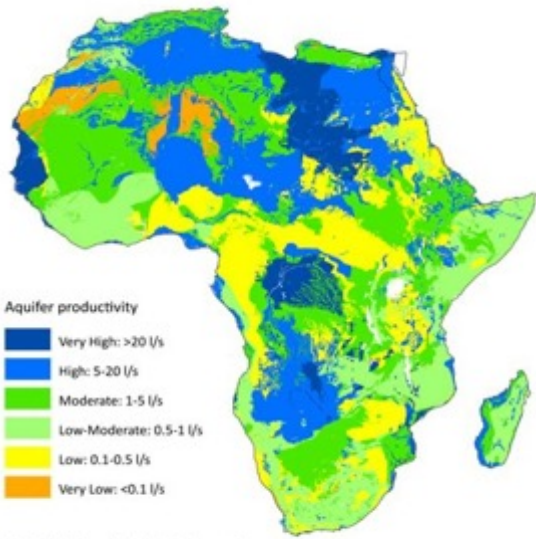
ECR/Future Earth Webinar



FUTURE AFRICA



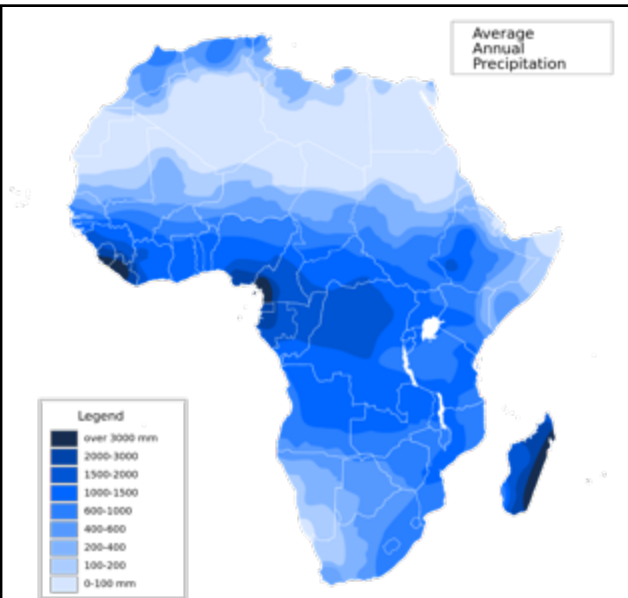
Immense natural resources



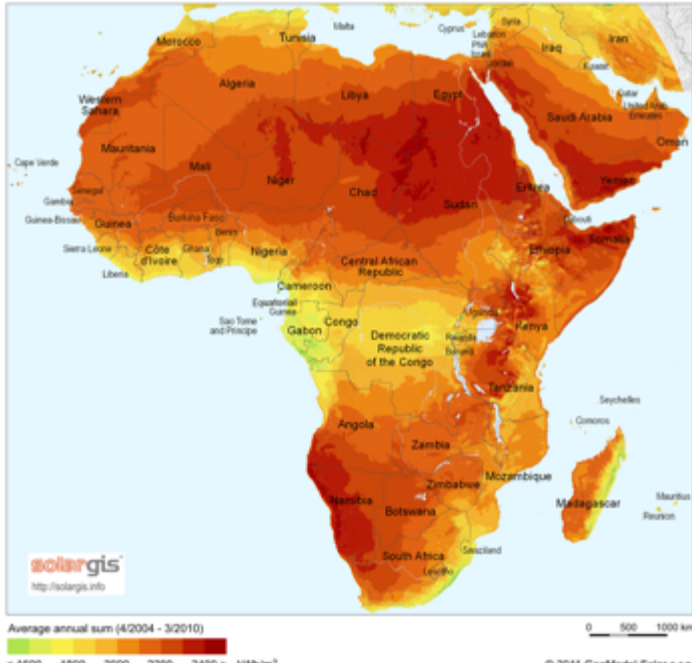
The best wind quality: Sahara, Sahel, the coast, and in mountainous areas of Southern Africa and some parts of East Africa

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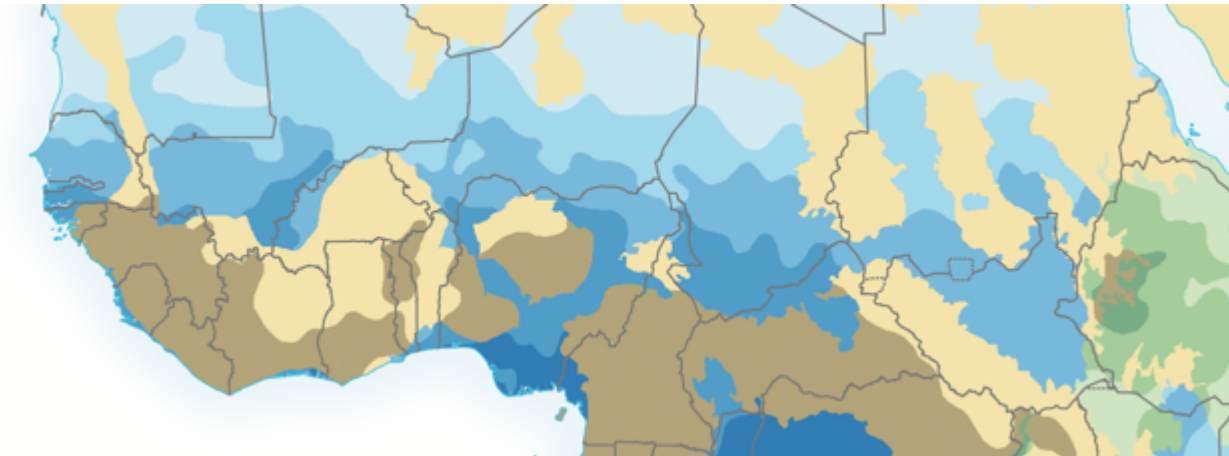
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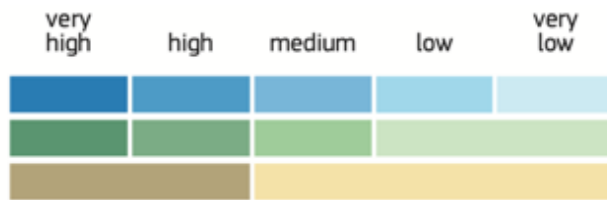
Global horizontal irradiation Africa and Middle East



Using immense Groundwater resources



Groundwater recharge (mm/a)



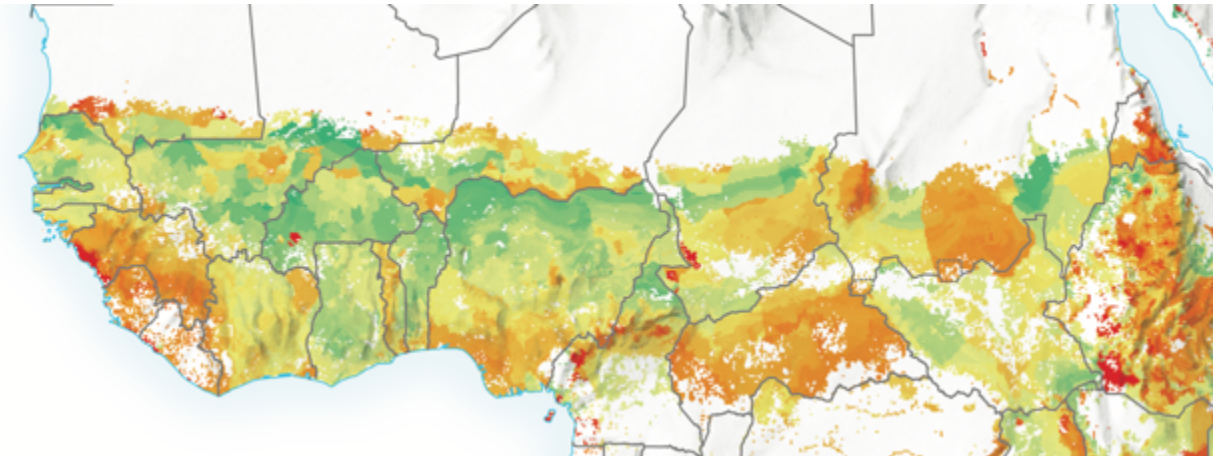
Groundwater resources

in major groundwater basins

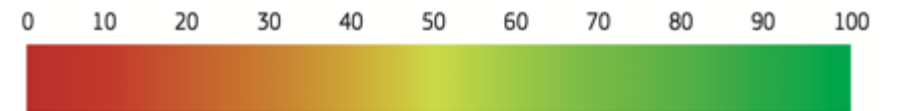
in areas with complex hydrogeological structure

in areas with local and shallow aquifers

Cereal attainable yield achieved. Positive trend in the Sahel



Major cereals: attainable yield achieved (%)












Addressing drivers of land degradation



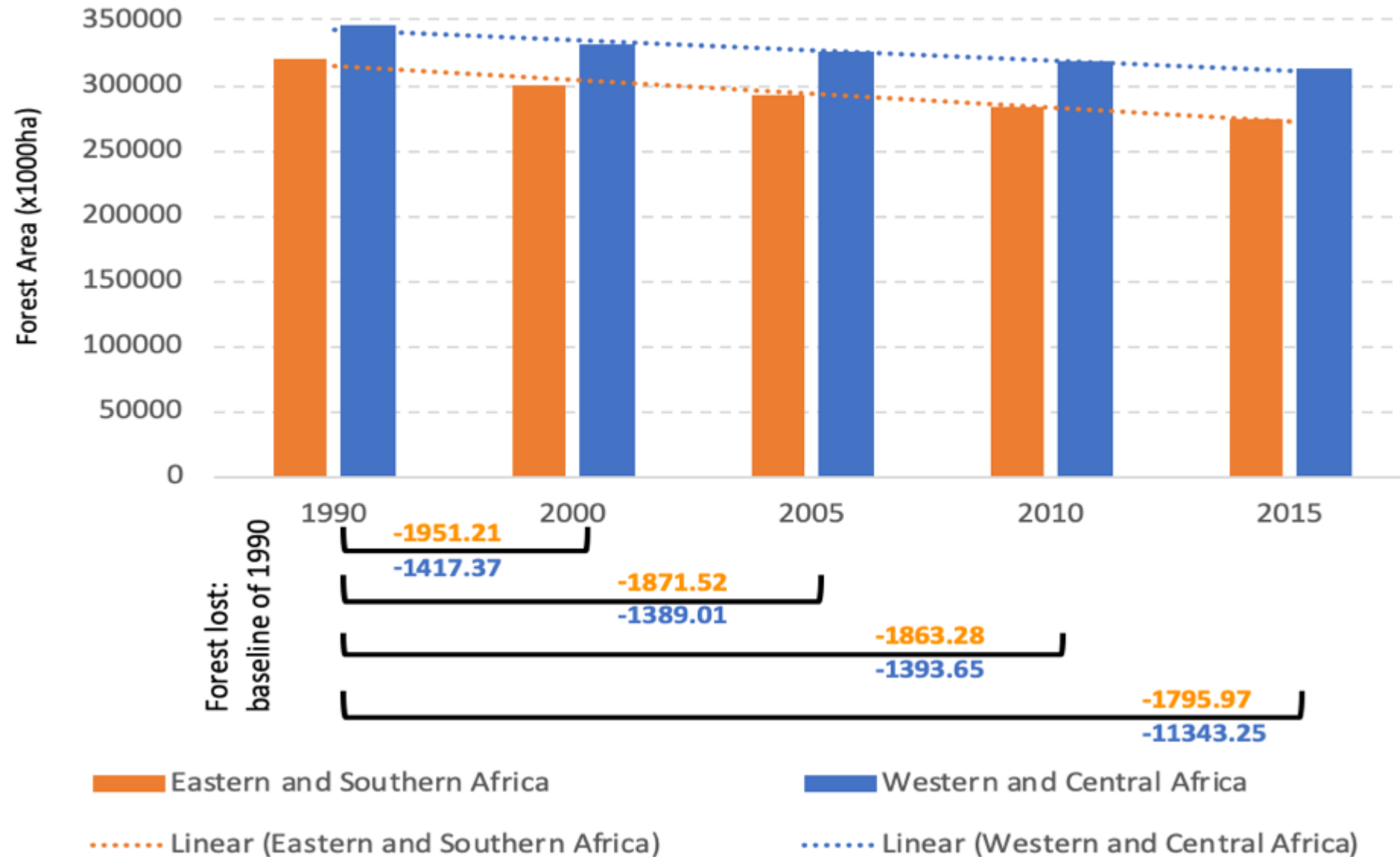
Key factors

Comparison

SS-Africa

Cereal Yield	<i>USA and OECD > 10 t/ha</i>	0.6-2.0 t/ha 
Agriculture's share of GDP (%)	<i>USA. 5.5% (importance of other sectors)</i>	25%-35% 
Use of mineral fertilizers	<i>Asia. 60-150 Kg/ha</i>	12-16 kg/ha 
Use of renewable water for irrigation	<i>> 5 % at global scale</i>	< 2% 
Agriculture labor force (ratio to total)	<i>Less than 5%, i.e. mechanization</i>	70% 
Agriculture Share in rural HH income	<i>Highest vulnerability of House Holds</i>	63% 
Agriculture GDP Growth	<i>Improve yield, reduce field loss</i>	3.40% 
Total cereal crop area	<i>> 70 Millions ha are degraded in SSA</i>	98,226,080 ha 
Rice import	<i>Requires increased of 50% by 2030</i>	50-80% 

Loosing asset implies missing the transformation we want



Rethinking agricultural inputs. Rethinking production cycles



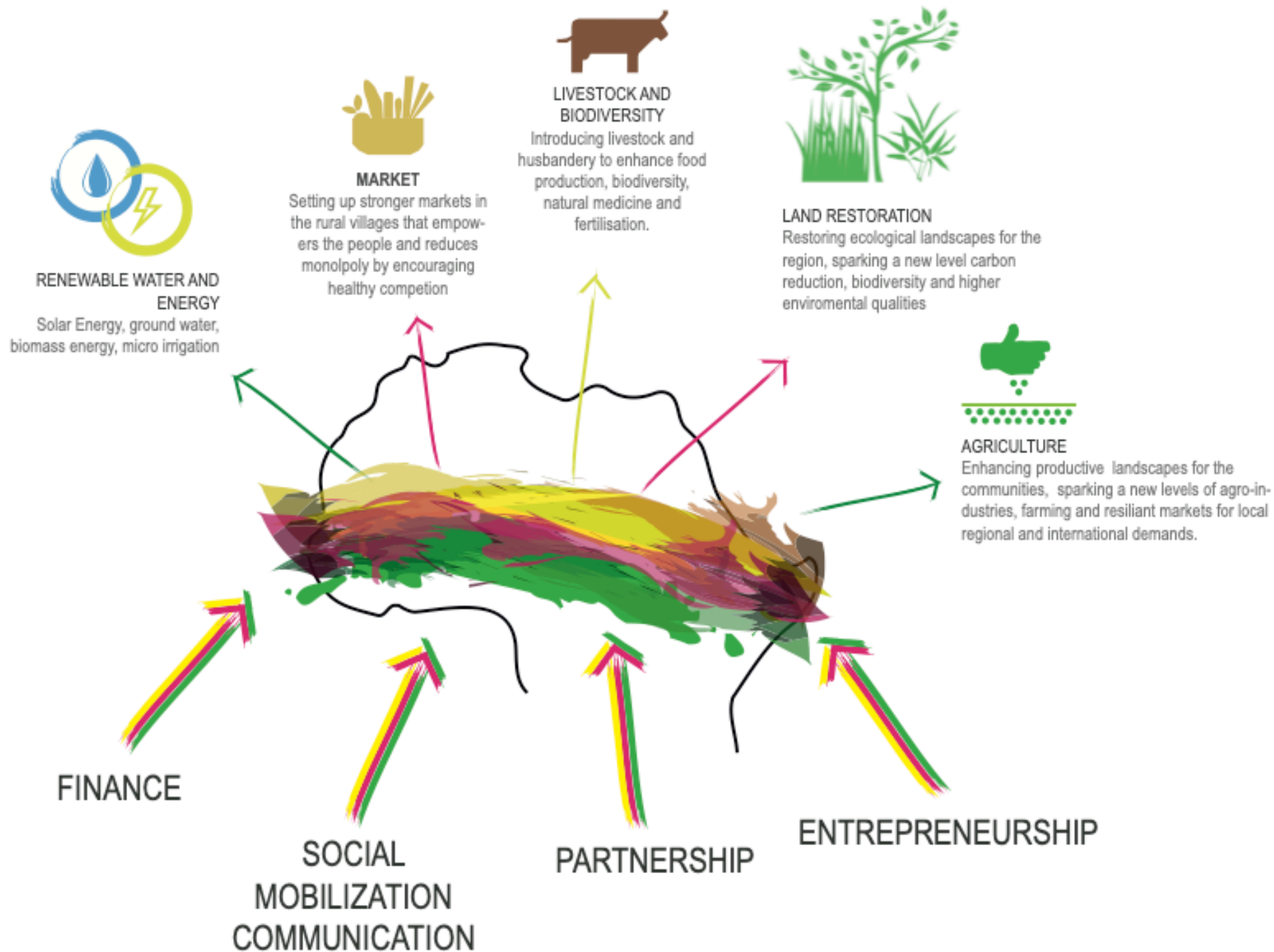
Sustainable agriculture



Irrigation/micro-irrigation



Opportunities for Transformation. What does it take?



Key considerations for land contributions to SDGs

- Land productivity in agriculture and forestry have to increase to meet SDGs
- Fertile land are available in Africa but require appropriate management, land restoration
- The unequal access to resources at local scale leads to competition for land (land deals becomes huge and serious challenges)
- International market drivers lead to many deforestation in Africa
- Sectoral approach that dominates government systems, cannot address these wicked consequences in the context of SDG