

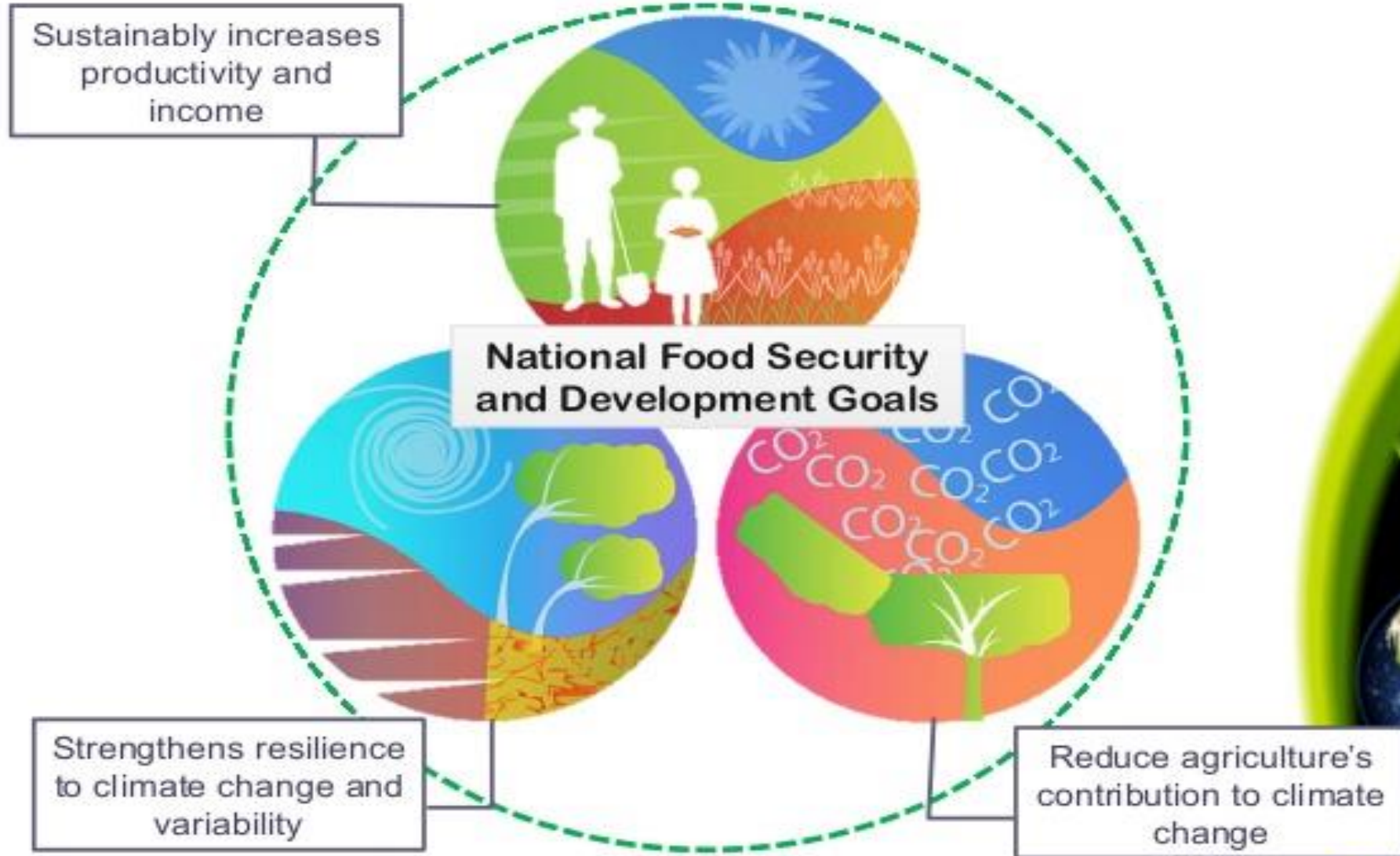


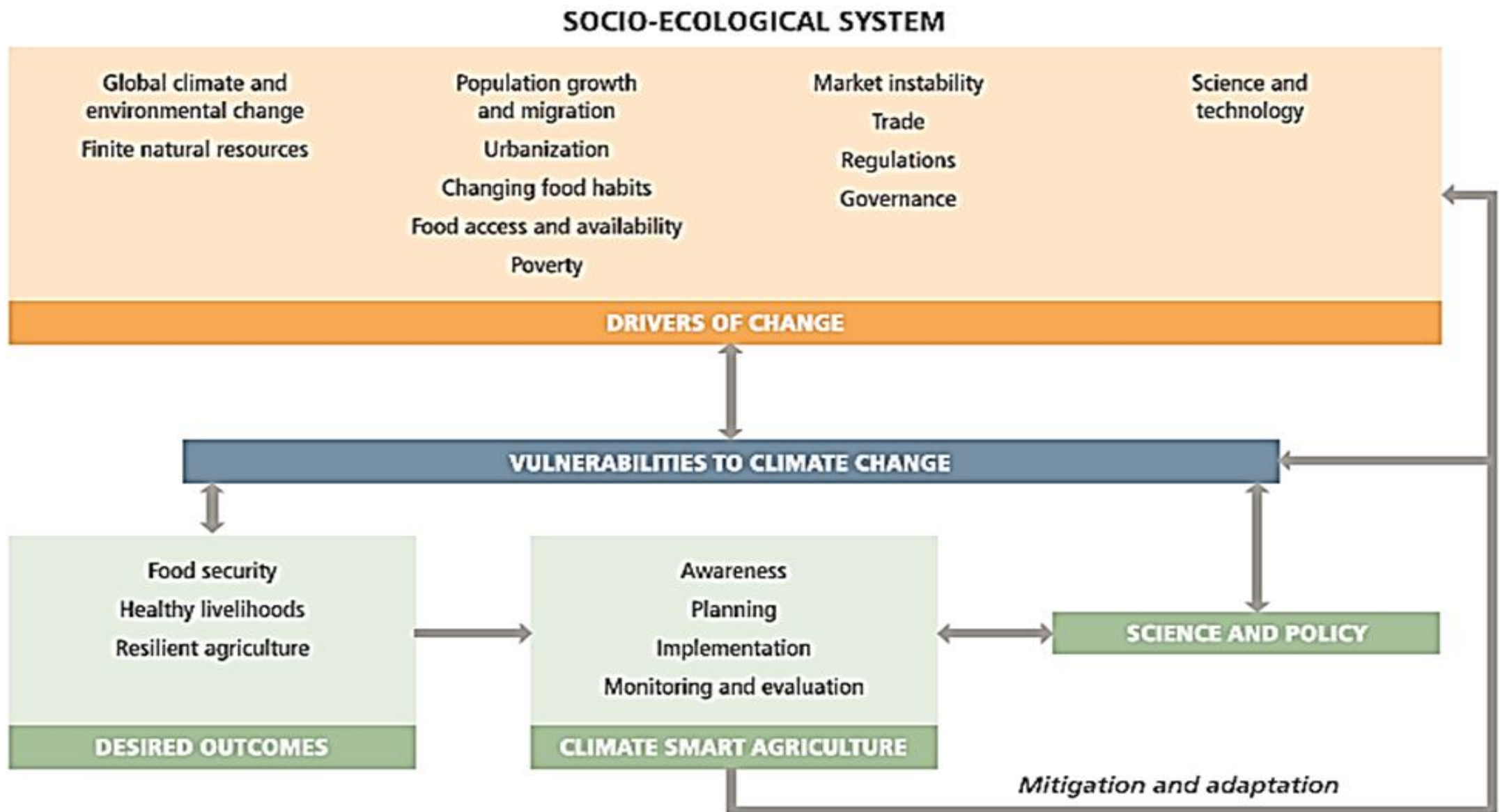
**Climate Smart Agricultural Extension and Advisory
Services:
*'A climate smart village for effective CSA'***



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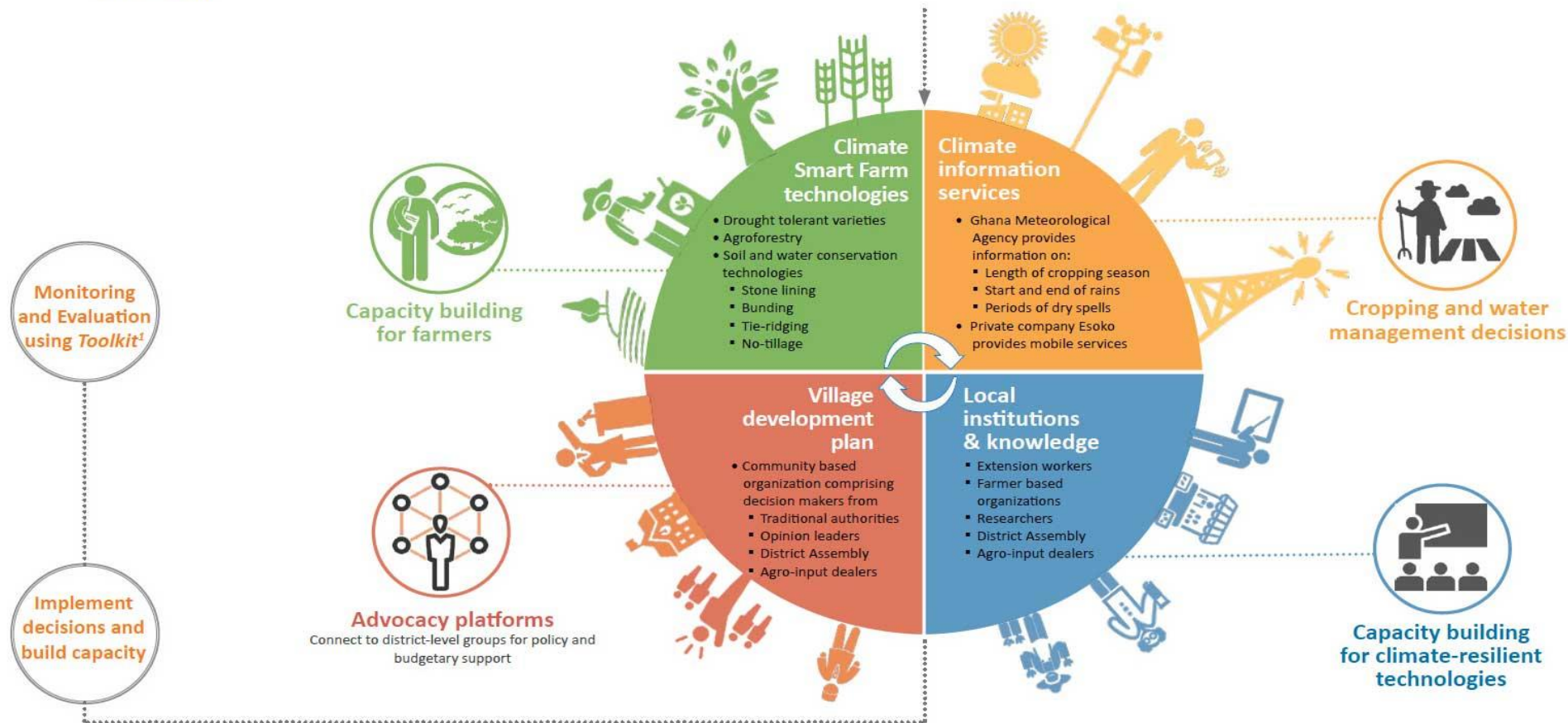
What is CSA?





How climate-smart agriculture can be utilised as an agent for developing resilience, mitigation and adaptation within the socioecological system.

Climate Smart Village: Agricultural and digital technologies approach for CSA practice



Integrating climate information and eco-conservation technologies can be rewarding to smallholder farmers; it can enable them to make climate smart agriculture decisions more effectively

¹TOP-MECCA developed by the International Union for Conservation of Nature (IUCN) to analyze and perform monitoring and evaluation of the adaptive capacity to climate change; ²Sustainable livelihoods, multi-scale and integrated monitoring and evaluation frameworks; ³Council for Scientific and Industrial Research - Savanna Agricultural Research Institute



Protect Natural Habitats

Incentives to protect natural forests and grasslands include certification, payment for climate services, securing land tenure rights, and community fire control.

Restore Degraded Watersheds and Rangelands

Degradation costs livelihood assets and essential watershed functions; restoration can be a win-win strategy for addressing climate change, rural poverty, and water scarcity.

Enrich Soil Carbon

Agricultural soils can be managed to reduce emissions by minimizing tillage, reducing the use of nitrogen fertilizers, preventing erosion, increasing organic matter content, and adding biochar.

Climate-Friendly Livestock Systems

Climate-friendly livestock production requires rotational grazing systems, manure management, methane capture, improved feeds, as well as an overall reduction in livestock numbers.

Farm with Perennials

Perennial crops, like grasses, palms, and trees, maintain and develop their root system, capture carbon, increase water infiltration, and reduce erosion.

CSA can help deliver Climate-smart landscapes with multiple benefits

Thank You!



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