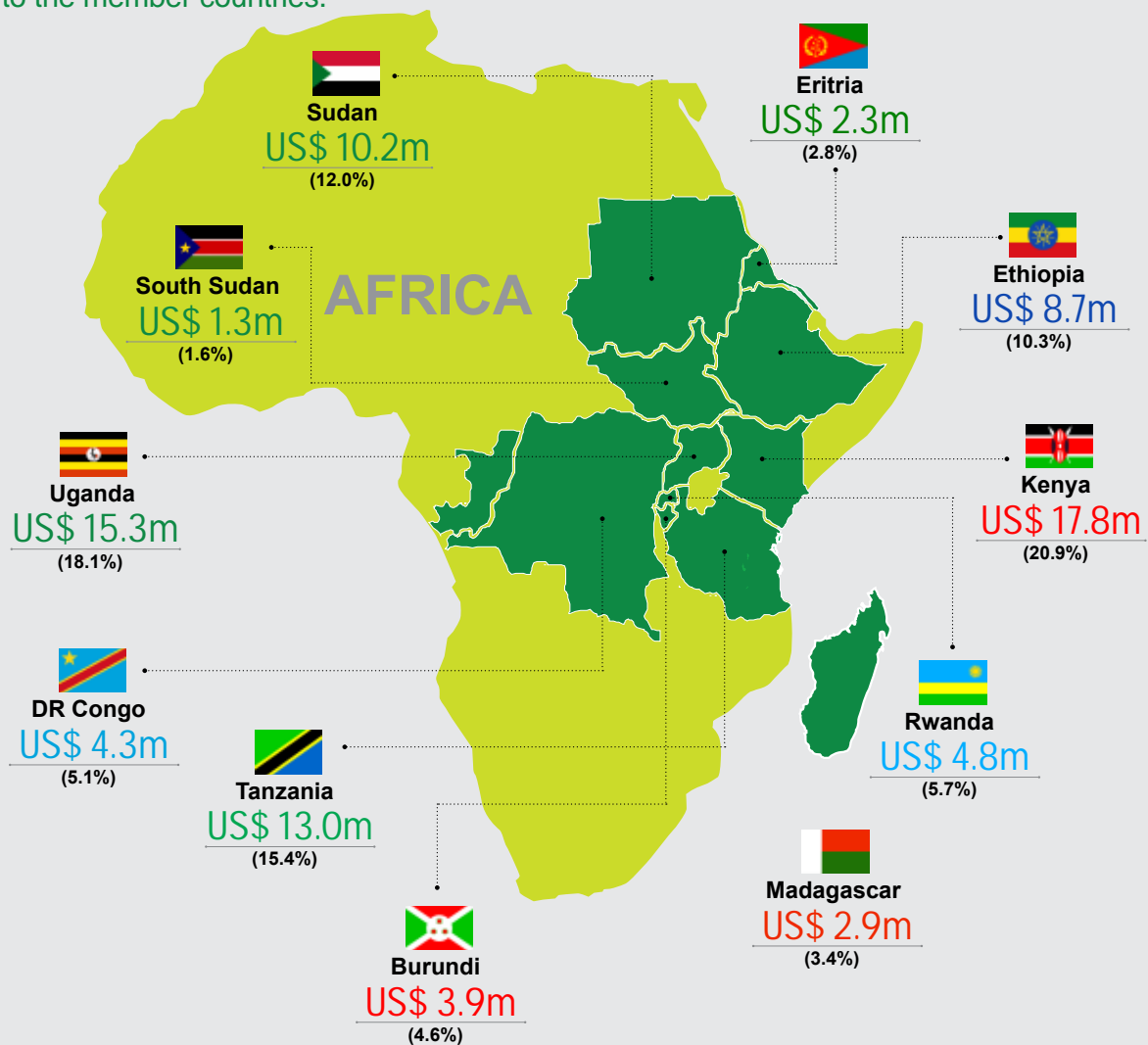


Contribution to Member Countries

Since inception in 1994, ASARECA has worked with National Agricultural Research Systems (NARS) of its twelve member countries: Burundi, Democratic Republic of Congo, Eritrea, Ethiopia, Kenya, Madagascar, Republic of the Congo, Rwanda, South Sudan, Sudan, Tanzania and Uganda. Between 1994 and 2018, ASARECA mobilized US\$ 131 million to implement Agricultural Research for Development (AR4D) initiatives in the countries. In addition, ASARECA coordinated the EAAPP programme in five member countries. Below are snapshots of ASARECA contribution to the member countries.



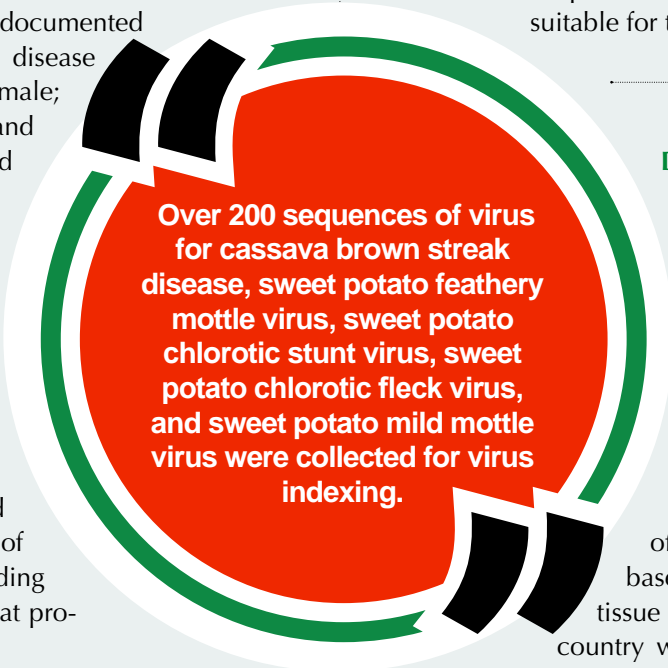
Madagascar

Since inception, ASARECA has worked mainly with Center National de Recherche Appliquee au Developpement Rural (FOFIFA) and the Ministry of Agriculture, Livestock and Fisheries to jointly address AR4D challenges in the country. Between 1994 and 2018, ASARECA invested US\$ 2.9 million to catalyze agricultural transformation in Madagascar through key beneficiary projects highlighted below:

Controlling tick-borne diseases: ASARECA supported experts on tick-borne diseases from six countries (Uganda, Kenya, Tanzania, Burundi, Sudan and Madagascar) to develop, validate and promote appropriate technologies to control tick and tick-borne diseases in pastoral and agro-pastoral farming systems. The experts conducted epidemiological studies; identified management options for different livestock production systems; and documented best-bet practices for the disease control. Thirty-five (30 male; 5 female) veterinarians and technicians were trained in tick ecology, data collection, sample preservation, and proper use of acaricides, among others. In addition, 120 farmers were trained in disease diagnosis and the use of acaricides. As a result, farmers in the intervention areas registered unprecedented reduction of tick-borne infestation, leading to increased dairy and meat production.

Promoting pearl millet: ASARECA supported scientists from Eritrea, Sudan, Kenya and Tanzania to develop a

cropping system and value-chain to enhance the production of pearl millet in the arid and semi arid lands of the sub-region. This investment boosted the capacity of the Institution to enhance its genetic resources and address post harvest losses, input delivery and marketing constraints. Following successful implementation of the project, researchers in ASARECA countries endorsed pearl millet as the crop that is most suitable for the semi arid areas.



Over 200 sequences of virus for cassava brown streak disease, sweet potato feathery mottle virus, sweet potato chlorotic stunt virus, sweet potato chlorotic fleck virus, and sweet potato mild mottle virus were collected for virus indexing.

Delivery of clean planting materials:

In an effort to reduce disease infestation of cassava, sweet potatoes and banana, ASARECA supported researchers in Madagascar to apply tissue culture interventions for mass production of disease-free planting materials of. Through this initiative, a baseline study of the status of tissue culture applications in the country was conducted, while virus sequences for cassava and sweet potato virus were collected. Over 200 sequences of virus for cassava brown streak disease, sweet potato feathery mottle virus, sweet potato chlorotic stunt virus, sweet potato chlorotic fleck virus, and sweet potato mild

