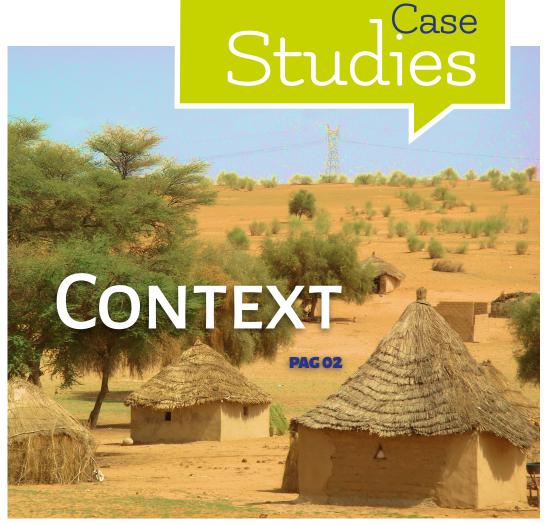
## **GAIA EDUCATION**











**CASE STUDY** 

## Senegal



NAME: Increasing Food Security, Income Generation and Environmental Sustainability in the Podor Region, Northern Senegal

PERIOD: 1 April 2014 to 31 March 2017

PARTNERS: Guede Chantier, Lael, Mounduwaye and Diarra
Villages, Gaia Education, CIFAL Scotland, Le Partenariat

FUNDED: UK AID

## **CONTEXT:**



**THE AGRICULTURAL VIABILITY** of small-scale producers in the Podor region is under threat, due mainly to the transfer of the most productive land from food production for local needs to export for consumption by the global consumer class. Misguided industrial agriculture policies over the decades have undermined traditional



methods of food production, turning the once productive soils by the River Senegal into a barren wasteland. The difficult situation is compounded by the relentless desertification of the Sahel, forcing small-scale producers to continually adapt with innovative solutions to keep feeding their communities.



A 3-YEAR FOOD SECURITY PROJECT engaging four villages of Podor Region of Northern Senegal – Guédé Chantier, Lahel, Moundouwaye and Diarra, aims to develop 16 hectares of community land to produce organic food more efficiently and increase the communities' resilience and capacity to adapt to the advancing effects of climate change. The project combines both indigenous and scientific knowledge into productive agroecological systems. The project aspires to strengthen the communities' social, economic and ecological competencies and build skills in agroforestry,

permaculture, food processing and trade. It is directly benefiting over 3,000 community members, especially women, by enhancing their agricultural and socio-enterprise knowledge and skills.

**GAIA EDUCATION HAS BEEN CONDUCTING** with its international and regional experts permaculture, agroforestry and food-processing capacity building activities. Agroforestry practices are regenerating the fragile ecosystem by storing carbon, preventing deforestation, increasing biodiversity, protecting water resources and reducing erosion.



**AGROFORESTRY NURSERIES** have been initiated in each village allowing beneficiaries to gain skills in raising tree seedlings from seed to allow replacement of trees that perish while continuing to develop agroforestry systems after the project. This approach is 250 times cheaper than purchasing trees. Several people have been trained in how to operate and maintain pumps. The fencing perimeter will be planted with spikey plants to ensure a sustainable barrier to local predators.

of participants were conducted for Agroforestry Training,
Permaculture Training, Change Agent Training, Food Processing
and Preservation Training, amid beneficiary-led demo events. In all
cases, 100% reported the trainings to be relevant and beneficial.
Furthermore, 120 beneficiaries were surveyed in March 2016 using
one-on-one interviews, with the following results: 100% said they
no longer spend anything on chemicals, 97% said they consume a
more diverse diet, 100% said they buy less from the market, while
82% reported an increase in food production.

**IT'S IMPORTANT TO EMPHASIZE** that women represent 85% of beneficiaries involved, a fact which is contributing to women's

