SERVIR WEST AFRICA

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CHARCOAL PRODUCTION SITE MONITORING SERVICE

Charcoal remains one of the most important sources of fuel in Ghana. A look through the supply chain highlights the relationships between charcoal production, deforestation and aboveground carbon stock reduction on one hand, rural livelihoods and socio-economic opportunities on the other.

As of 2020, the volume of charcoal produced in Ghana was about

2 million
Metric Tons

This volume has been increasing progressively since 2017
Source: Sasu, D.D. (2022)

The Centre for Remote Sensing and Geographic Information Services (CERSGIS), based in the University of Ghana, a consortium partner of SERVIR-West Africa, is developing a satellite earth observation-based monitoring service that tracks charcoal production sites across the Northern Savanna ecological zone of Ghana.

Key project components:

Engage with national, district and traditional authorities to secure their buy-in

Co-design and co-develop a web-based charcoal production site monitoring and decision support portal

Support the development of a sustainable charcoal value chain through earth observation technology intervention and capacity building

Ghana

SERVIR connects space to village by helping developing countries use satellite data to address critical challenges in food security, water resources, weather and climate, land use, and natural disasters. A partnership of NASA, USAID, and leading technical organizations, SERVIR develops innovative solutions to improve livelihoods and foster self-reliance in Asia, Africa, and the Americas.

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