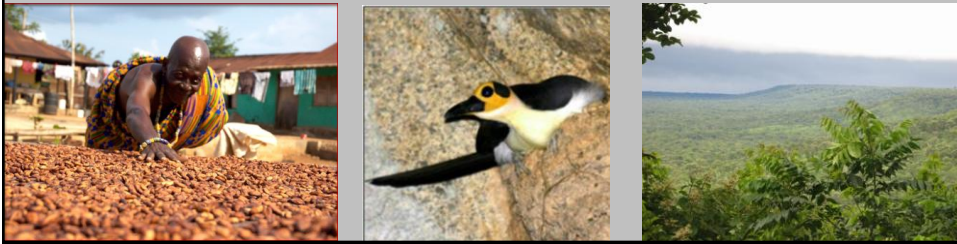




# Defining Ecosystem Services

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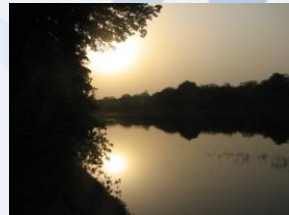
## What Are Ecosystems?

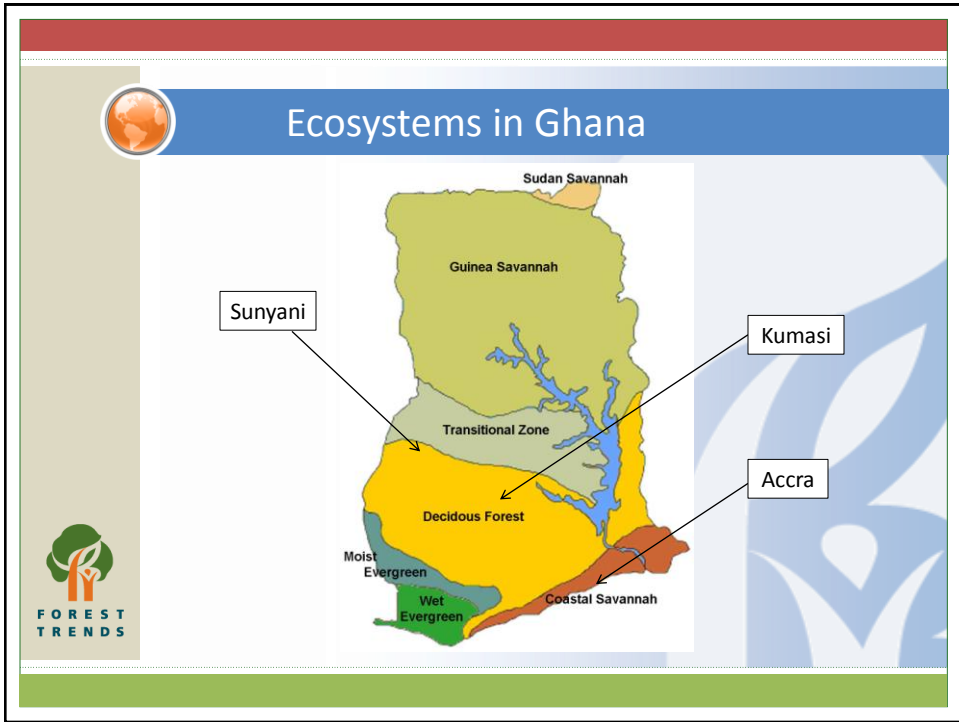
**Ecosystems** are the combined interactions of:

Biological / living components

**and**

Physical / non-living components of environment





**What are Ecosystem Services?**

**Natural and modified ecosystems have positive effects on the air, water and natural resources which generate benefits for human beings.**

A photograph shows a person standing in a lush, green forest, surrounded by dense vegetation and tall trees.

The 'FOREST TRENDS' logo is located in the bottom left corner.

A landscape photograph of a green field with a large tree under a blue sky. The text is overlaid on the image.

## Terrestrial Ecosystem Services

- Nutrient Cycling
- Air quality
- Wild species habitat protection
- Carbon sequestration & storage
- Food, Fiber and Fuel Provision
- Soil formation & fertility
- Pest & disease control
- Plant pollination
- Watershed protection & regulation
- Cultural Services

A photograph of a coastal bay with a sandy beach, green hills, and blue water with sailboats. The text is overlaid on the image.

## Marine and Coastal Ecosystem Services

- Recreation
- Coastal Water quality
- Stable Coastlines
- Storm and Hurricane Protection
- Sustainable Fisheries
- Sandy Beaches
- Safe and Healthy Seafood
- Carbon sequestration and storage
- Marine Biodiversity
- Seascape and Landscape Beauty
- Waste and Pollutant Processing



## Water Quality and Supply



## Pollination





## Soil conservation and nutrient cycling



## Cultural services





## Food, fiber and fuel provision



## Biodiversity conservation



 Humans also provide services to ecosystems through proper management.



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Any questions?

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## Activity

List the ecosystems and ecosystem services in your community.

