

Ecology

“Oecology” Ernst Haeckel – 1866 Greek: oikos, “**household**,” home or place to live. and logos (meaning 'the study of'). to denote such relationships between the organisms and their environment. Thus, literally, ecology is the study of organisms 'at **home**'.

Definition

Research in the field of 'life sciences' which studies the distribution, abundance and productivity of living organisms, the relationships between living organisms and the surrounding (physical) environment (Kimmins 1997). it seeks to understand the vital connections between plants and animals and the world around them.

Forest ecology?

Forest ecology is the study of the complex interactions between the organic and inorganic elements of a forest ecosystem .

*A forest ecosystem is **a dynamic complex of plant, animal and micro-organism communities and their abiotic environment interacting as a functional unit, where trees are a key component of the system***

<https://www.nature.com/subjects/forest-ecology>

What is forest?

A **forest** is an area of land dominated by trees, the height of trees in the particular forest site may reach at least seven meters (**7 m**), and the present or potential tree crown cover accounts for at least **20%** of the stand area.

Food and Agriculture Organization ?

(FAO) defines a forest as, "Land spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of more than 10 percent, or trees able to reach these thresholds in situ.