

# Department of Ecosystems – Functional Mandates

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According to the Half-Earth theory by biologist E.O. Wilson, reserving 50% of the Earth's surface for nature is necessary to save the living part of the environment and achieve the stabilization required for human survival. To accomplish this, land and water body use zoning within a Nation's boundaries is divided into two equal parts, Wilderness and Biodiversity Conservation Use and People Use.

Instead of determining land and water body use zones with the priority placed on greatest economic benefit, it will be prioritized according to:

1. Least Ecosystem Impact
2. Best Functional Use
3. Effective Flow within and between each type of Use

Designing, developing, implementing, and managing the Master Land and Water Body Use Zoning Plan is a core functional mandate for the Dept. of Ecosystems. The objective is to establish large tracts and connecting corridors equivalent, in aggregate to 50% of the total area within the Nation, for wilderness and biodiversity conservation while prudently interweaving the half zoned People Use (of which approximately 20% is Homestead Use, 15% Commercial Use, 10% Community Commons Use, and 5% Government Use) into the overall plan.

Protecting the Rights and supporting the health of non-human species as well as protecting the environment for all are also core functional mandates for the Dept. of Ecosystems. This can be accomplished through research and development, legislation sponsorship, and existing regulation enforcement.