

Ecosystem services provided by urban woody plants in the context of spatial relations: Çankırı case area

Supplementary Material

Ecosystem Services (ES)	
Provisioning	Goods and services
Food	grains, vegetables, fruit chicken, cattle, livestock and products fish, mussels, crab trout, salmon fruits and oilseeds, mushrooms, hunting animals
Biological raw material	logs, timber, pulp, bamboo, straw cotton, mohair, leather bio fuel, coal, ethanol production, fertilizer
Decorative resources	pearl, wild flowers, coral, ornamental plants
Genetic resources	genes used to increase product resilience
Fresh water	drinking water, electricity generation, industrial cooling
Biochemical and medicinal products	echinacea, ginseng, garlic
Regulating	Goods and services
Air quality regulation	lake ecosystems that pool industrial sulfur compounds
Climate regulation	forests have an impact on regional precipitation
Water flow control	permeable soils that facilitate water recharge; river flooding
Erosion control	vegetation on slopes that reduces soil loss caused by rain and wind
Water treatment and waste control	wetlands that trap pollutants in water
Epidemic control	undisturbed forest areas, which reduces the amount of stagnant water that breeds mosquitoes and thus prevents the risk of malaria
Pest control	predators in nearby forest areas such as bats, snakes
Pollination	birds, bees, insects, bats
Natural risk mitigation	Mangroves and coral reefs protect the coast from storms
Cultural	Goods and services
Cultural diversity	Eskimos living at the poles, African tribes
Spiritual and ethical values	Ganges River
Information system	
Education value	endangered species
Inspiration value	landscape paintings, poems
Aesthetic values	
Social relations	
Sense of place	tree shade, viewpoint
Cultural heritage value	a monumental tree, an ancient cave
Recreation and ecotourism	camping, bird watching, hiking
Supporting	Goods and services
Nutrient cycling	The food chain in ecosystems
Water cycle	The continuous movement of water between the earth and the atmosphere
Photosynthesis	Chlorophyll-bearing organisms produce food using light energy
Soil formation	Formation of soil structure and properties as a result of physical and chemical events realized by ecosystems
Primary production	The first organisms to produce in ecosystems