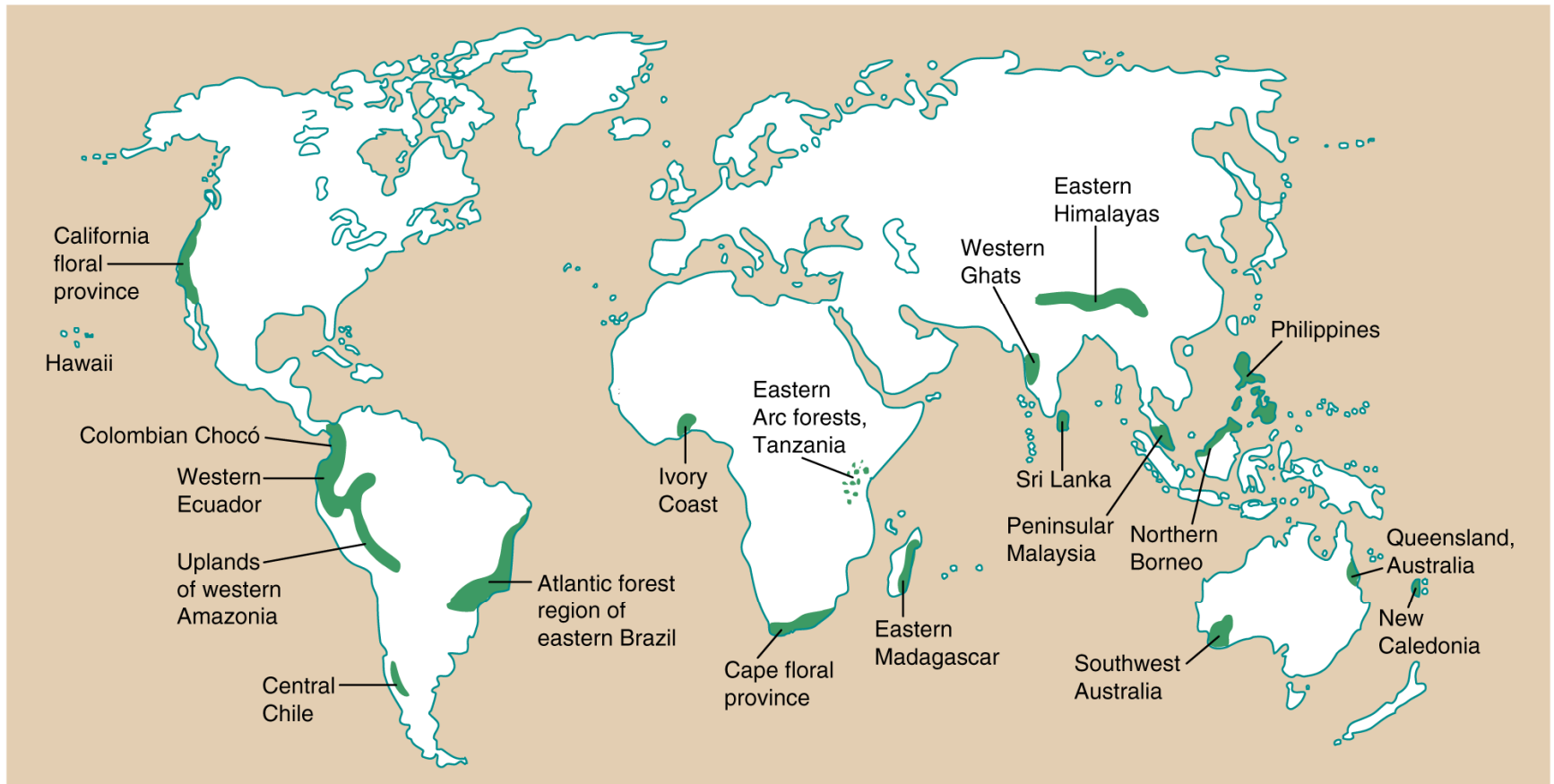
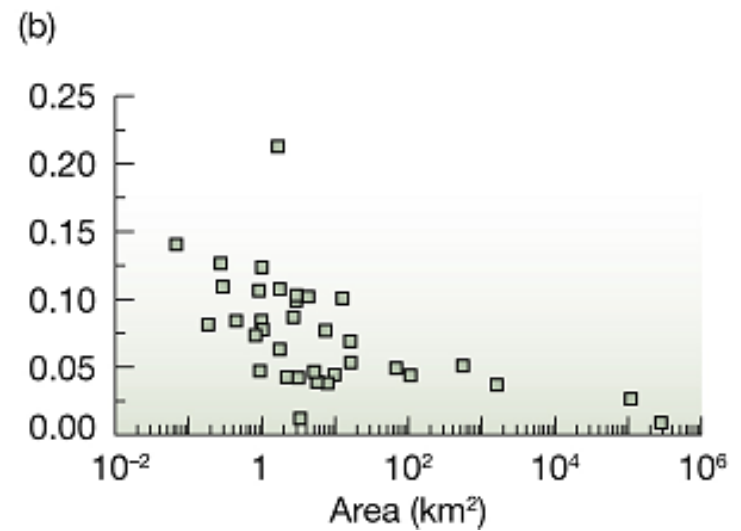
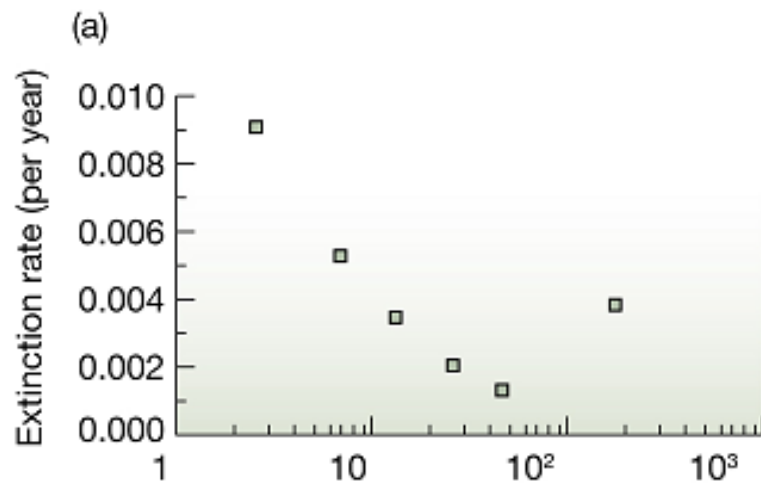
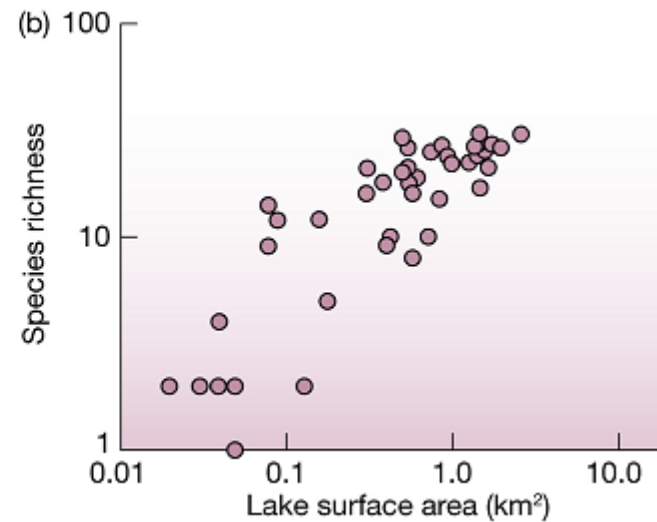
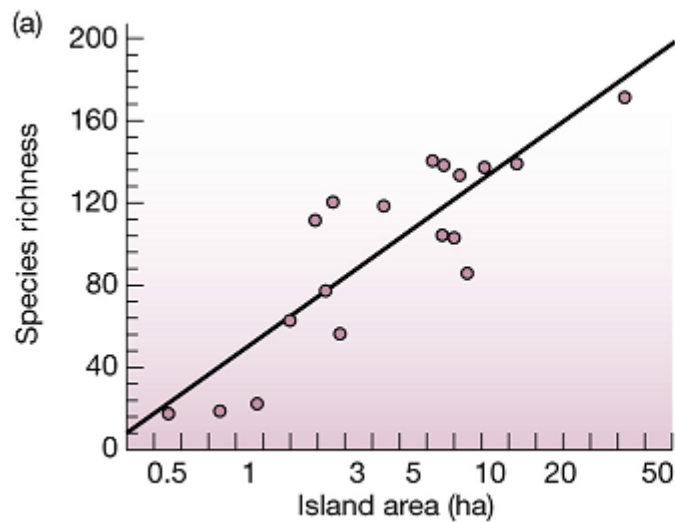


<i>Percentage due to each cause*</i>						
<i>Group</i>	<i>Habitat loss</i>	<i>Overexploitation†</i>	<i>Species introduction</i>	<i>Predators</i>	<i>Other</i>	<i>Unknown</i>
<i>Extinctions</i>						
Mammals	19	23	20	1	1	36
Birds	20	11	22	0	2	37
Reptiles	5	32	42	0	0	21
Fishes	35	4	30	0	4	48
<i>Threatened extinctions</i>						
Mammals	68	54	6	8	12	—
Birds	58	30	28	1	1	—
Reptiles	53	63	17	3	6	—
Amphibians	77	29	14	—	3	—
Fishes	78	12	28	—	2	—

Begon, Harper & Townsend, 2006





Townsend, Harper & Begon, 2008

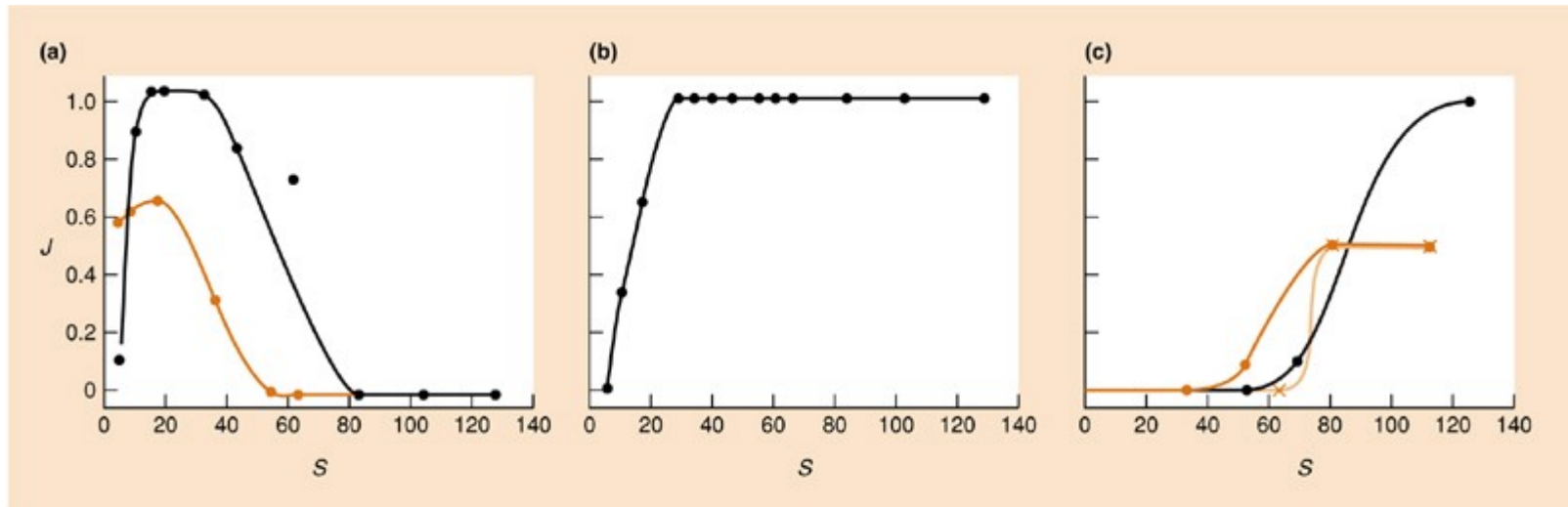
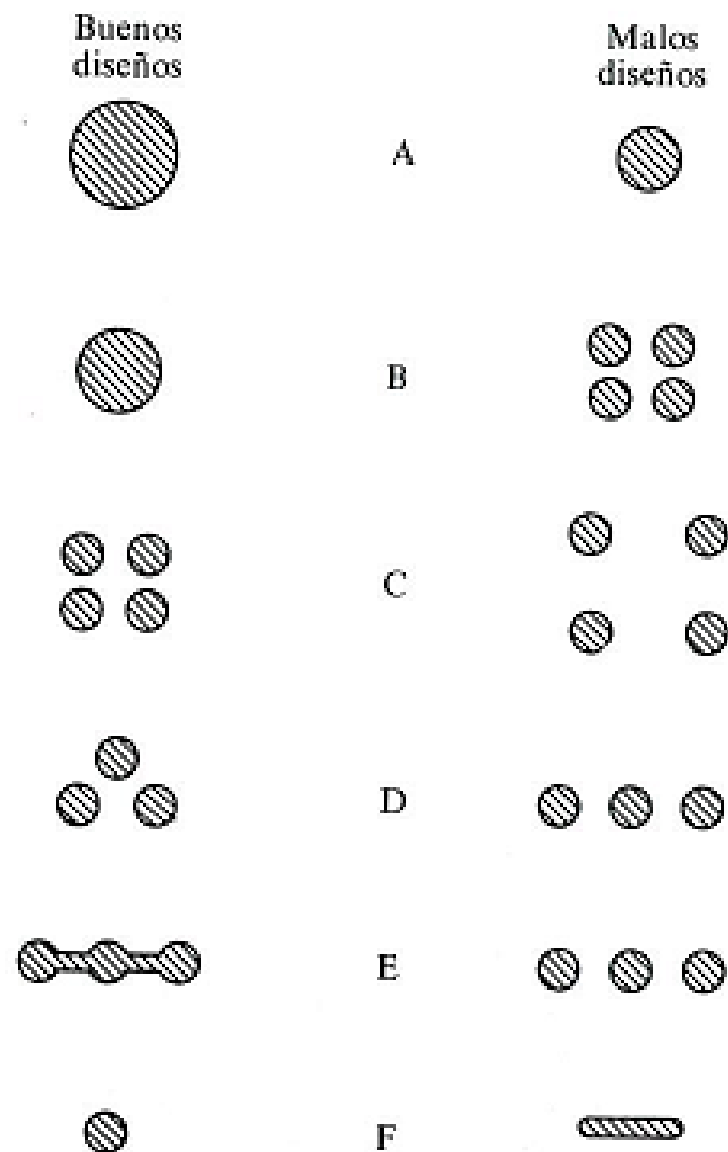
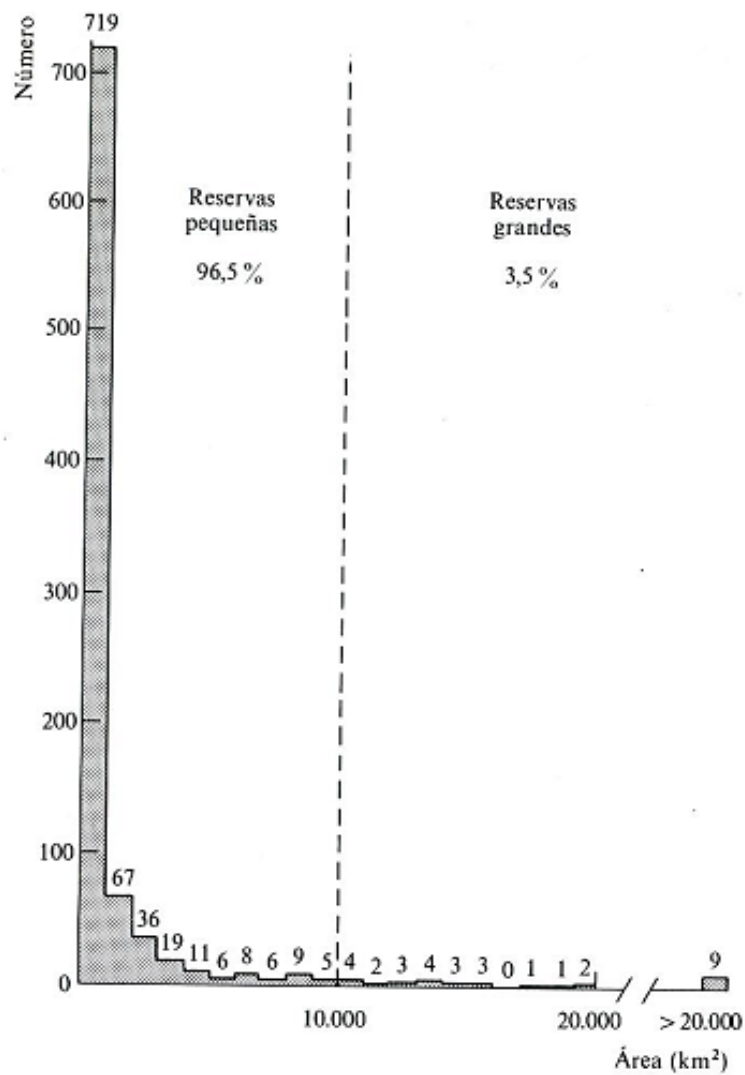


Figure 21.19 Incidence functions for various species in the Bismarcks in which J , the proportion of islands occupied by a given species, is plotted against S , a measure of island 'size' (actually the total number of bird species present). (a) Incidence functions for two 'supertramps': ●, flycatcher *Monarcha cinerascens*; ●, honeyeater *Myzomela pammelaena*. (b) Incidence function for the pigeon *Chalcophaps stephani*, a competent colonizer and, apparently, an effective competitor. (c) Incidence functions for three species that are restricted to larger islands: ●, hawk *Henicopernis longicauda*; ●, rail *Rallina tricolor*; ×, heron *Butorides striatus*. (After Diamond, 1975.)



Krebs, 1986

Más
frecuentes

Especies

Rango de distribución extenso Amplia tolerancia ambiental Grandes poblaciones locales	 Gorrión común <i>Passer domesticus</i>	 Diente de león
Rango de distribución restringida Amplia tolerancia ambiental Grandes poblaciones locales	 Pintón terrestre mediano de las Galápagos	 Pino de Monterrey
Rango de distribución extenso Tolerancia ambiental escasa Grandes poblaciones locales	 Ballena gris de California	 Álamo de Fremont
Rango de distribución extenso Amplia tolerancia ambiental Poblaciones locales pequeñas	 Tigre	 <i>Asplenium septentrionale</i>
Rango de distribución restringido Tolerancia ambiental escasa Grandes poblaciones locales	 Cuervo pescador	 <i>Argrooxiphium macrocephalum</i>
Rango de distribución restringido Amplia tolerancia ambiental Poblaciones locales pequeñas	 Diablo de Tasmania	 Welwitschia
Rango de distribución extenso Tolerancia ambiental escasa Poblaciones locales pequeñas	 Búho moteado boreal	 Tejo del Pacífico
Rango de distribución extenso Tolerancia ambiental escasa Poblaciones locales pequeñas	 Gorila de montaña	<i>Pritchardia monroe</i> Sin imagen disponible

Más raras

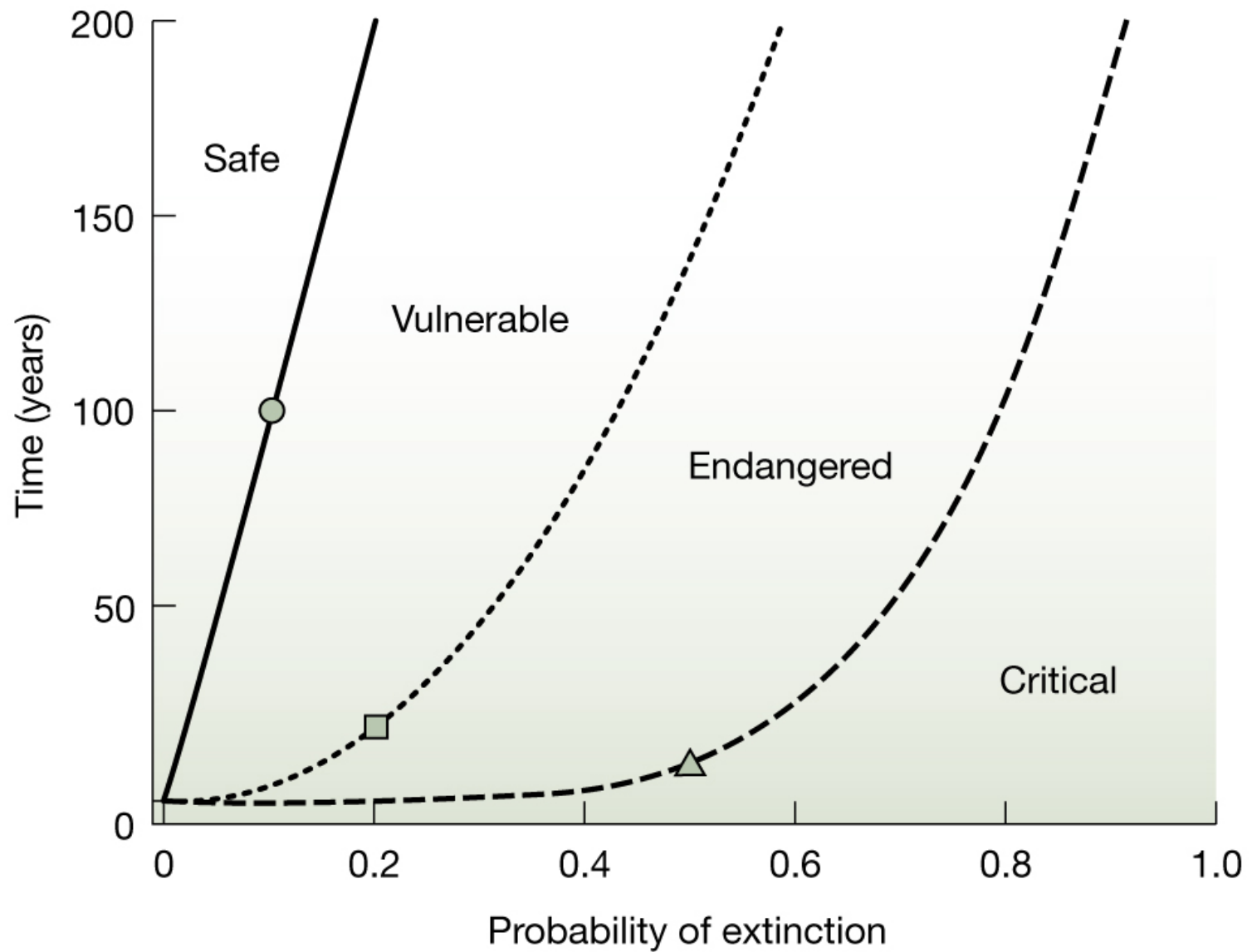
El texto sobre fondo blanco
resalta los tipos de rareza.

Especies como ésta no
muestran ningún tipo de
rareza; están entre las más
comunes de la biosfera.

Cada una de estas
especies muestra algún
aspecto de rareza, lo
que les otorga cierta
vulnerabilidad a la
extinción.

Con dos aspectos de
rareza, estos tres
grupos de especies son
aún más vulnerables a
la extinción.

Estas especies son las
más raras de la
biosfera y las más
vulnerables a la
extinción.



Townsend, Harper & Begon, 2008

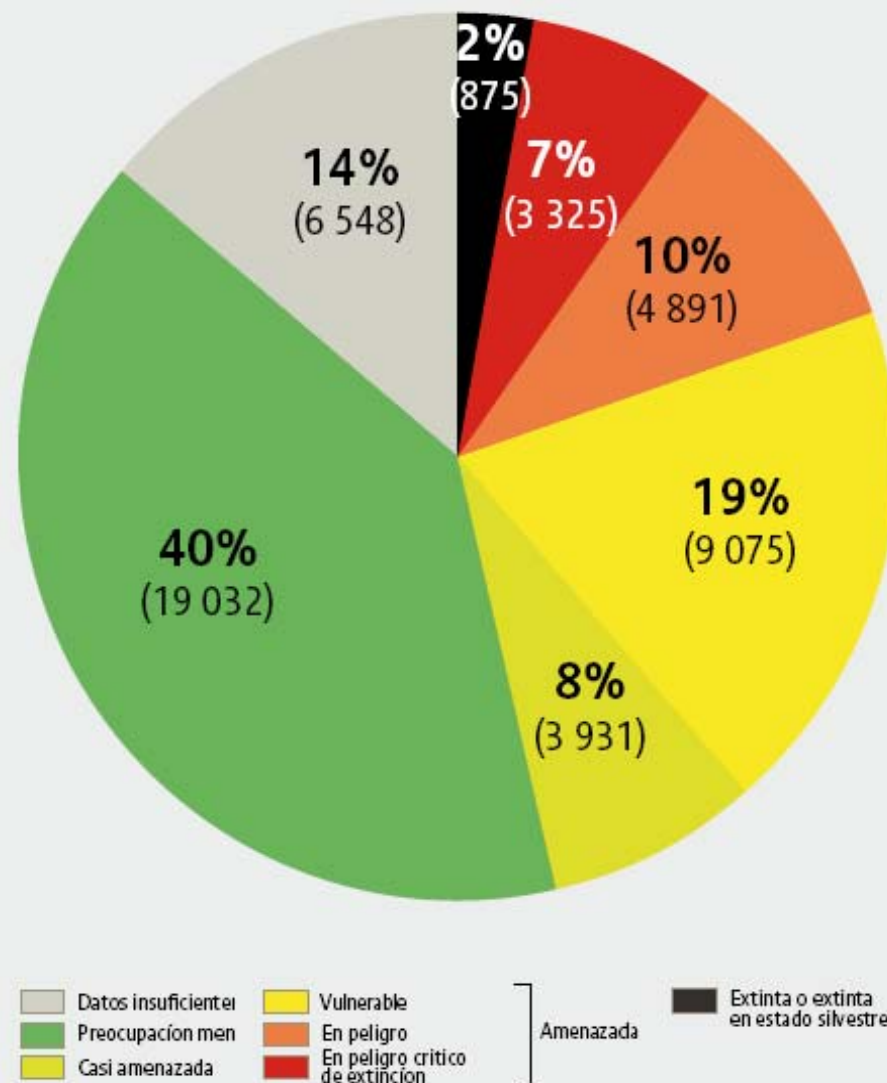
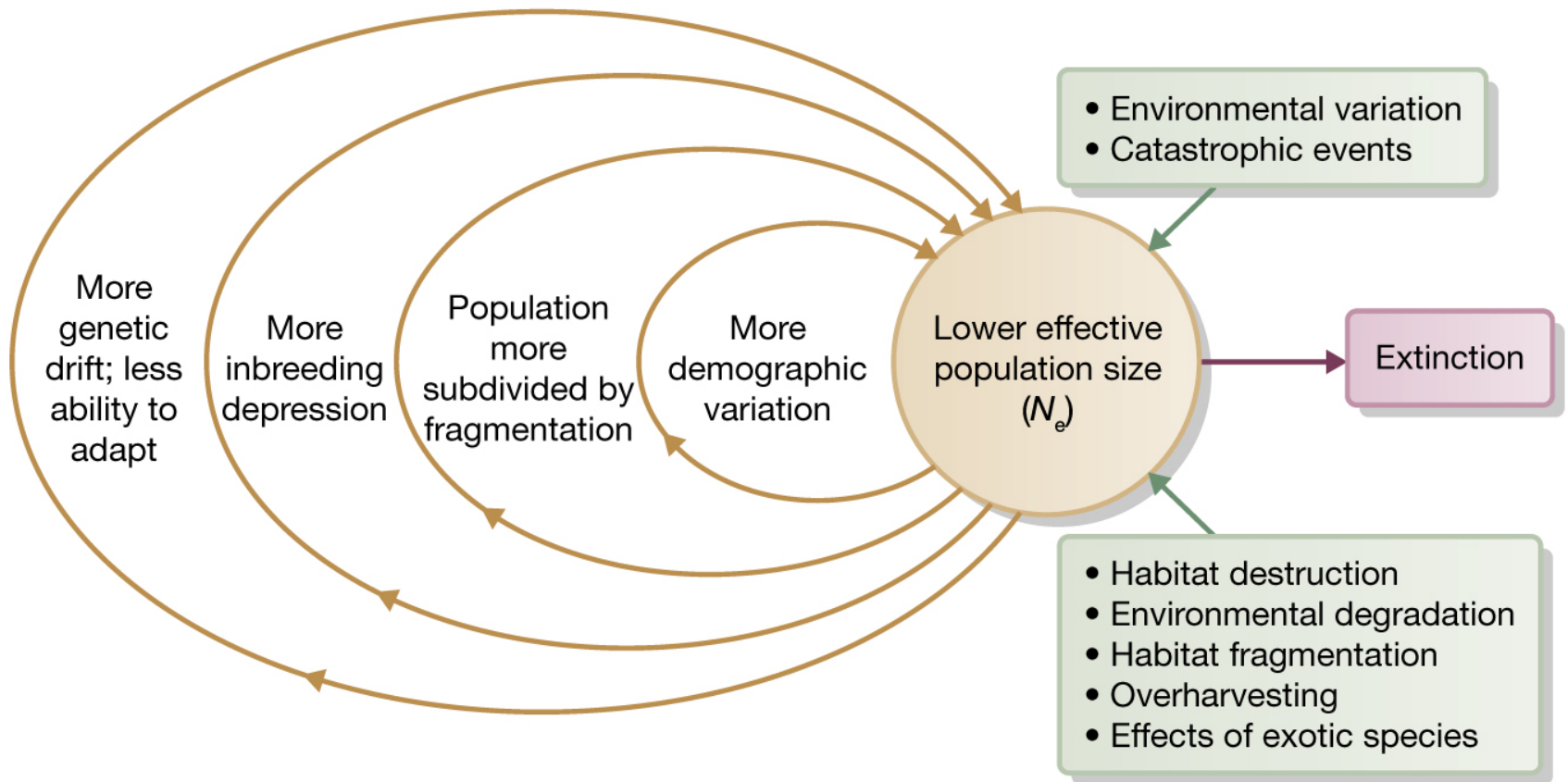


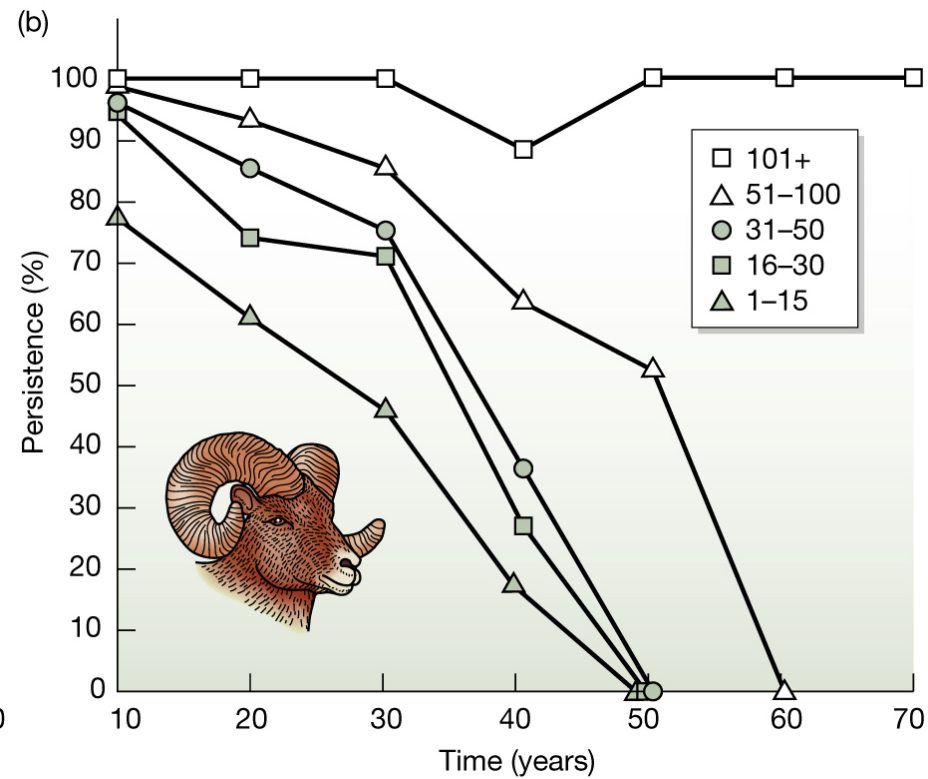
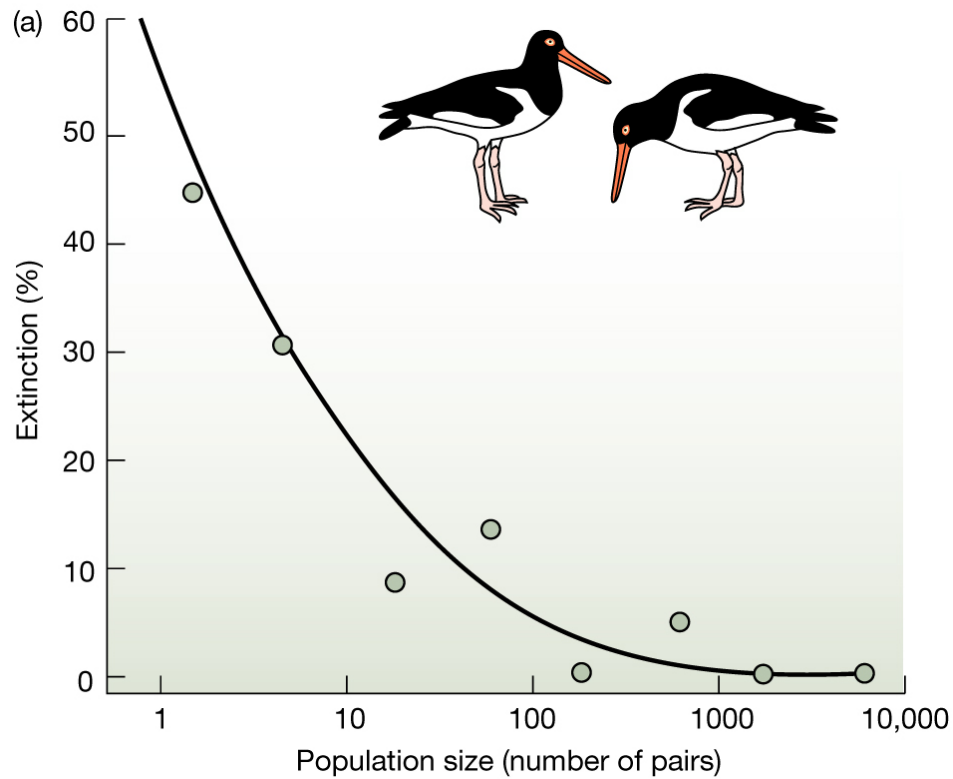
FIGURA 3 Porcentaje de especies en distintas categoría de amenaza

Porcentajes de todas las especies evaluadas en distintas categorías de peligro de extinción incluidas en la Lista Roja de la UICN, basados en datos de 47 677 especies. Se considera que más de un tercio (36%) de las especies evaluadas está amenazado, es decir, que son especies vulnerables, están en peligro de extinción o en peligro crítico de extinción.

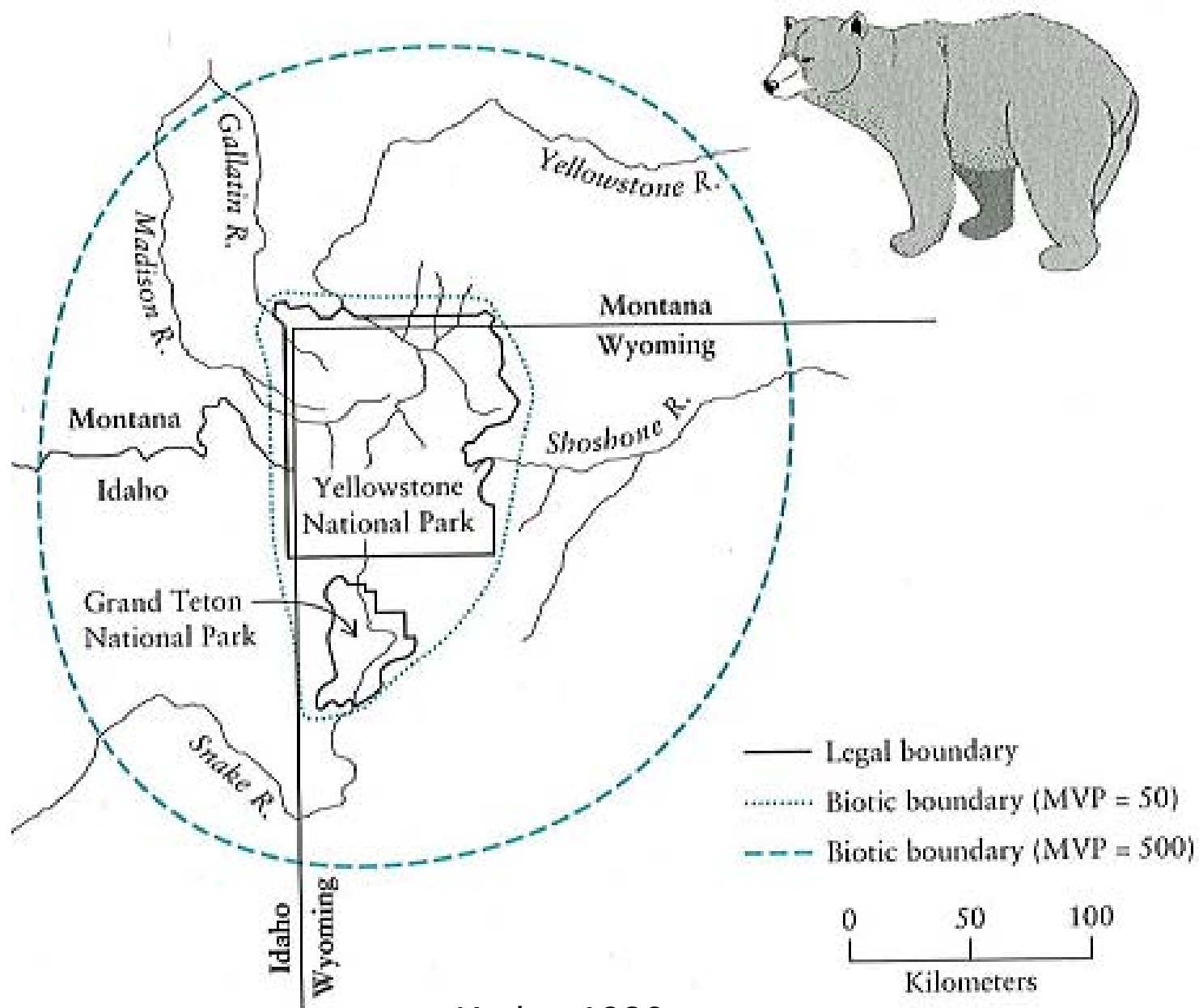
Fuente: IUCN



Townsend, Harper & Begon, 2008



Townsend, Harper & Begon, 2008



Krebs, 1986

VALORACION GLOBAL DE LOS SERVICIOS PRESTADOS POR LOS ECOSISTEMAS

(Costanza et al. 1997- Nature 387: 253-260)

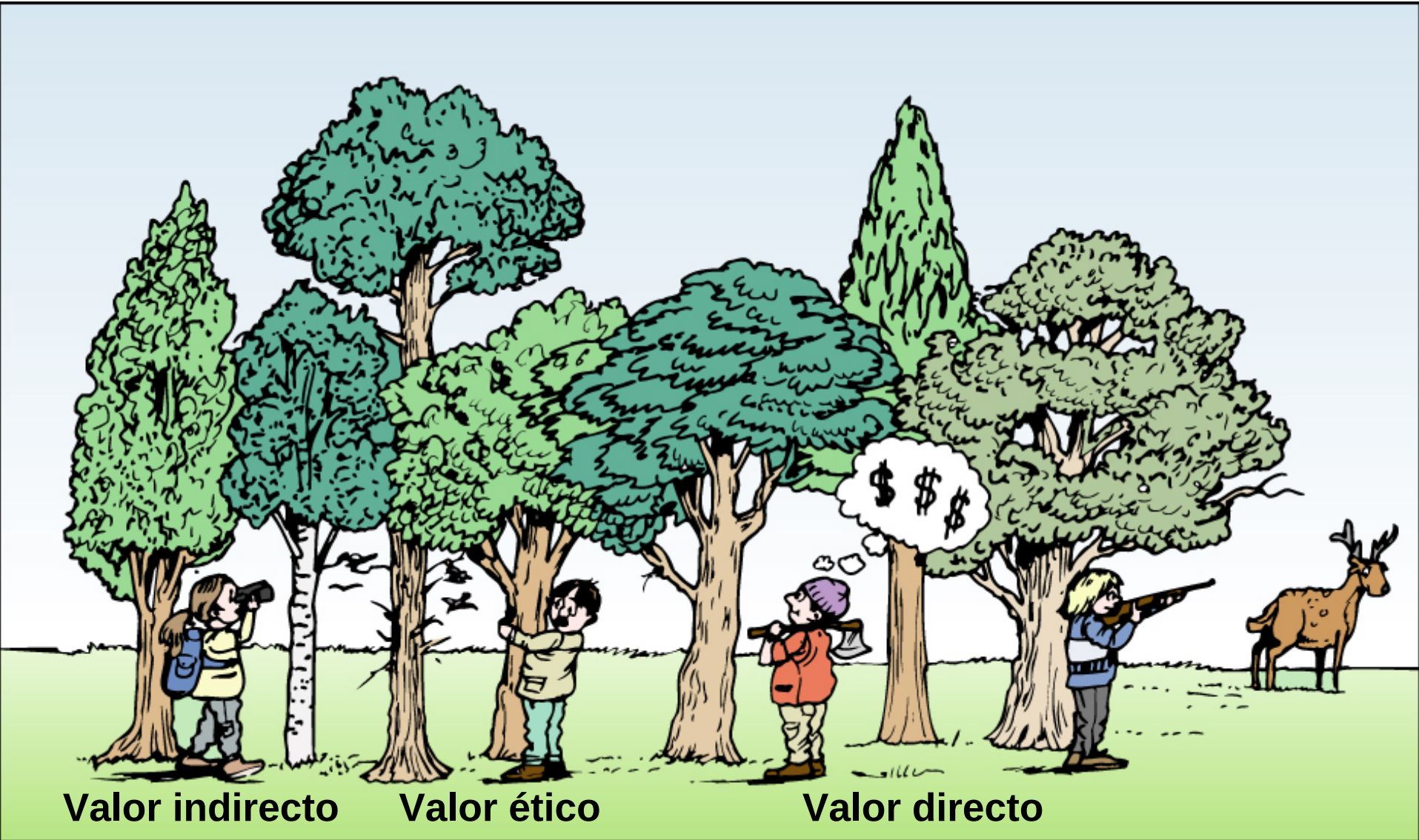
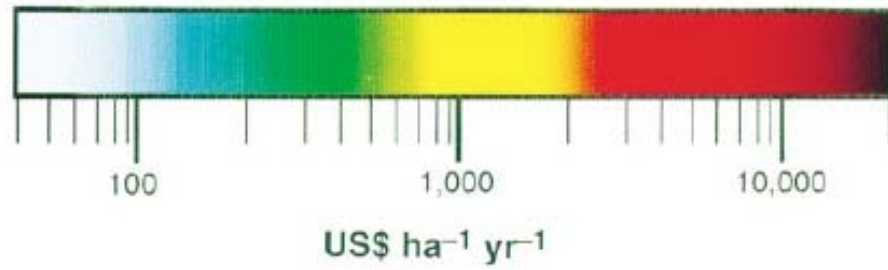
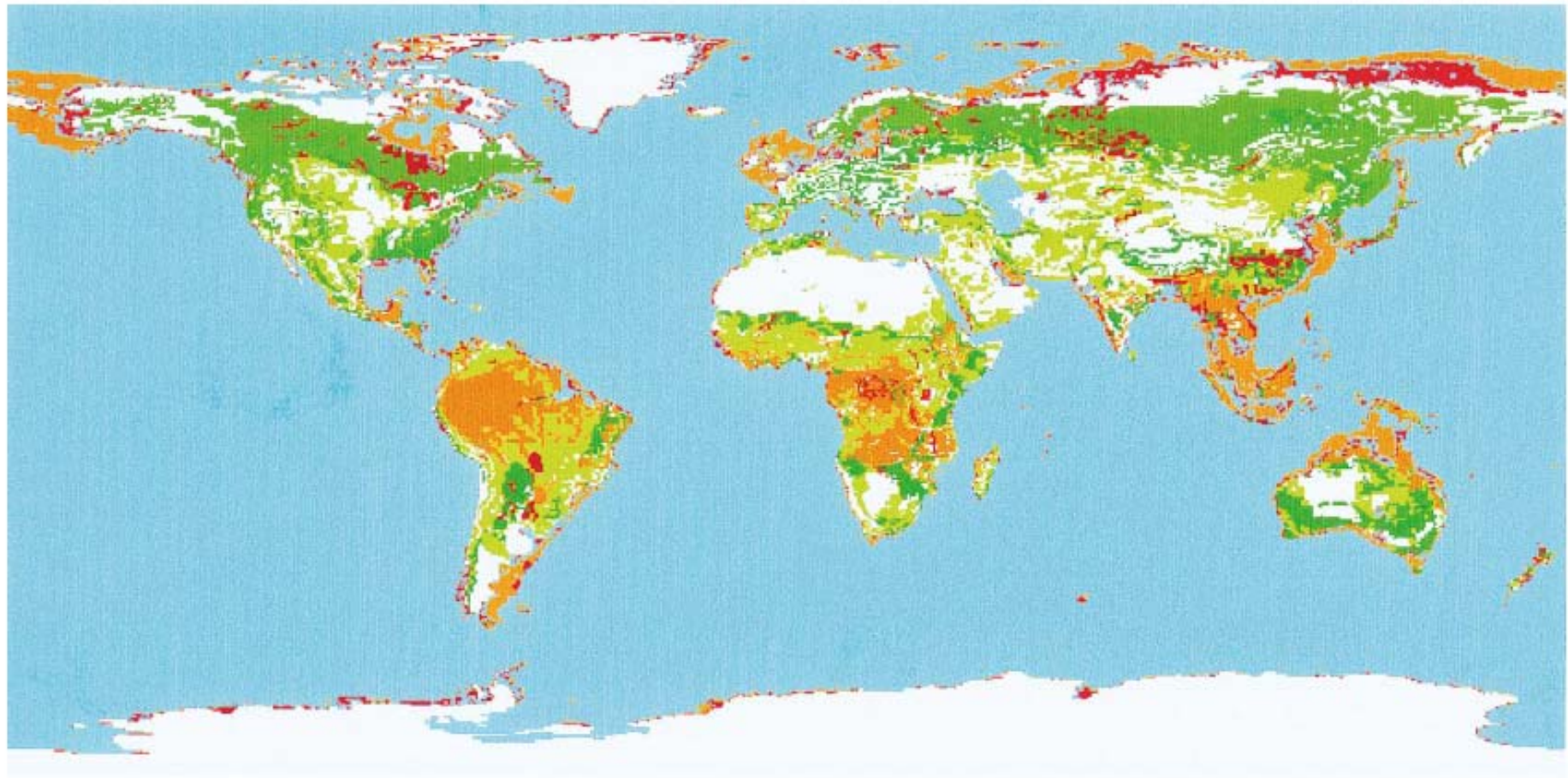


Table 1 Ecosystem services and functions used in this study

Number	Ecosystem service*	Ecosystem functions	Examples
1	Gas regulation	Regulation of atmospheric chemical composition.	CO ₂ /O ₂ balance, O ₃ for UVB protection, and SO _x levels.
2	Climate regulation	Regulation of global temperature, precipitation, and other biologically mediated climatic processes at global or local levels.	Greenhouse gas regulation, DMS production affecting cloud formation.
3	Disturbance regulation	Capacitance, damping and integrity of ecosystem response to environmental fluctuations.	Storm protection, flood control, drought recovery and other aspects of habitat response to environmental variability mainly controlled by vegetation structure.
4	Water regulation	Regulation of hydrological flows.	Provisioning of water for agricultural (such as irrigation) or industrial (such as milling) processes or transportation.
5	Water supply	Storage and retention of water.	Provisioning of water by watersheds, reservoirs and aquifers.
6	Erosion control and sediment retention	Retention of soil within an ecosystem.	Prevention of loss of soil by wind, runoff, or other removal processes, storage of silt in lakes and wetlands.
7	Soil formation	Soil formation processes.	Weathering of rock and the accumulation of organic material.
8	Nutrient cycling	Storage, internal cycling, processing and acquisition of nutrients.	Nitrogen fixation, N, P and other elemental or nutrient cycles.
9	Waste treatment	Recovery of mobile nutrients and removal or breakdown of excess or xenic nutrients and compounds.	Waste treatment, pollution control, detoxification.
10	Pollination	Movement of floral gametes.	Provisioning of pollinators for the reproduction of plant populations.
11	Biological control	Trophic-dynamic regulations of populations.	Keystone predator control of prey species, reduction of herbivory by top predators.
12	Refugia	Habitat for resident and transient populations.	Nurseries, habitat for migratory species, regional habitats for locally harvested species, or overwintering grounds.
13	Food production	That portion of gross primary production extractable as food.	Production of fish, game, crops, nuts, fruits by hunting, gathering, subsistence farming or fishing.
14	Raw materials	That portion of gross primary production extractable as raw materials.	The production of lumber, fuel or fodder.
15	Genetic resources	Sources of unique biological materials and products.	Medicine, products for materials science, genes for resistance to plant pathogens and crop pests, ornamental species (pets and horticultural varieties of plants).
16	Recreation	Providing opportunities for recreational activities.	Eco-tourism, sport fishing, and other outdoor recreational activities.
17	Cultural	Providing opportunities for non-commercial uses.	Aesthetic, artistic, educational, spiritual, and/or scientific values of ecosystems.

*We include ecosystem 'goods' along with ecosystem services.



Costanza et al. 1997