

# GLOSSARY AND ABBREVIATIONS

**Altruistic value:** The importance which individuals attach to a good or service out of selfless concern for the welfare of others.

**Asset:** economic resources

**Auctions:** mechanism for exchange of goods and services by offering bids, receiving bids and then selling the item to the highest bidder

**Bequest value:** The importance individuals attach to a resource that can be passed on to future generations.

**Biodiversity (a contraction of biological diversity):** The variability among living organisms, including terrestrial, marine, and other aquatic ecosystems. Biodiversity includes diversity within species, between species, and between ecosystems.

**Biological diversity:** see Biodiversity

**Biome:** A large geographic region, characterized by life forms that develop in response to relatively uniform climatic conditions. Examples are tropical rain forest, savanna, desert, tundra.

**Certification:** A procedure by which a third party gives written assurance that a product, process or service is in conformity with certain standards. (Box 9.1)

**Conservation easement:** permanent restriction placed on a property to protect some of its associated resources like water quality. The easement is either voluntarily donated or sold by the landowner and constitutes a legally binding agreement.

**Cost-effectiveness:** referring to the least cost option that meets a particular goal.

**Discount rate:** A rate used to determine the present value of future benefits. (Box 3.8)

**Direct use value (of ecosystems):** The benefits derived from the services provided by an ecosystem that are used directly by an economic agent. These include consumptive uses (eg harvesting goods) and nonconsumptive uses (eg enjoyment of scenic beauty). (Chapter 2.2 under TEV)

**Driver (direct or indirect):** Any natural or human-induced factor that directly or indirectly causes a change in an ecosystem.

**Ecological stability or Ecosystem health:** A description of the dynamic properties of an ecosystem. An ecosystem is considered stable or healthy if it returns to its original state after a disturbance, exhibits low temporal variability, or does not change dramatically in the face of a disturbance.

**Ecological value:** Non-monetary assessment of ecosystem integrity, health, or resilience, all of which are important indicators to determine critical thresholds and minimum requirements for ecosystem service provision.

**Economic incentives (disincentives):** a material reward (or punishment) in return for acting in a particular way which is beneficial (or harmful) to a set goal.

**Economic valuation:** The process of estimating a value for a particular good or service in a certain context in monetary terms. (Chapter 3.2)

**Ecosystem:** A dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit.

**Ecosystem function:** A subset of the interactions between ecosystem structure and processes that underpin the capacity of an ecosystem to provide goods and services.

**Ecosystem health:** see Ecological stability

**Ecosystem process:** Any change or reaction which occurs within ecosystems, either physical, chemical or biological. Ecosystem processes include decomposition, production, nutrient cycling, and fluxes of nutrients and energy.

**Ecosystem services:** The direct and indirect contributions of ecosystems to human well-being. The concept 'ecosystem goods and services' is synonymous with ecosystem services.

**Ecotourism:** Travel undertaken to visit natural sites or regions without harming them.

**Equity:** Fairness in the distribution of rights and of access to resources, services, or power.

**Existence value:** The value that individuals place on knowing that a resource exists, even if they never use that resource (also sometimes known as conservation value or passive use value).

**Externality:** A consequence of an action that affects someone other than the agent undertaking that action and for which the agent is neither compensated nor penalized through the markets. Externalities can be positive or negative.

**Governance (of ecosystems):** The process of regulating human behavior in accordance with shared ecosystem objectives. The term includes both governmental and nongovernmental mechanisms.

**Habitat service:** The importance of ecosystems to provide living space for resident and migratory species (thus maintaining the gene pool and nursery service).

**Human well-being:** A context- and situation-dependent state, comprising basic material for a good life, freedom and choice, health and bodily well-being, good social relations, security, peace of mind, and spiritual experience.

**Indicator:** Information based on measured data used to represent a particular attribute, characteristic, or property of a system.

**Indirect use value:** The benefits derived from the goods and services provided by an ecosystem that are used indirectly by an economic agent. For example, drinking water that has been purified as it passed through the ecosystem. (Chapter 2.2 under TEV)

**Institutions:** The rules that guide how people within societies live, work, and interact with each other. Formal institutions are written or codified rules, such as the constitution, the judiciary laws, the organized market, and property rights. Informal institutions are rules governed by social and behavioral norms of the society, family, or community.

**Intrinsic value:** The value of someone or something in and for itself, irrespective of its utility for someone else. (Chapter 2.2 under TEV)

**Kyoto Protocol:** international agreement linked to the United Nations Framework Convention on Climate Change, which sets binding targets for industrialized and developed countries to reduced greenhouse gas emissions

**Label:** A label or symbol indicating that compliance with specific standards has been verified (Box 9.1)

**Market failure:** situation in which markets fail to allocate the resources efficiently and effectively due to incomplete information, existence of a dominant firm or externalities

**Natural capital:** An economic metaphor for the limited stocks of physical and biological resources found on earth. Also referring to the capacity of ecosystems to provide ecosystem services.

**Non-use or passive use:** Benefits which do not arise from direct or indirect use.(Chapter 2.2 under TEV)

**Open access:** Accessible to all

**Opportunity costs:** foregone benefits of not using land/ecosystems in a different way.

**Over-exploitation:** Use in excess of a sustainable use level

**Potential use or Option value:** The use(s) to which ecosystem services may be put in the future.

**Public goods:** A good or service in which the benefit received by any one party does not diminish the availability of the benefits to others, and where access to the good cannot be restricted.

**Resilience (of ecosystem):** capacity of an ecosystem to tolerate disturbance without collapsing

**Revealed preference techniques:** Techniques based on observations of consumer behavior.

**Services and benefits of ecosystems:** see Ecosystem services

**Stakeholder:** A person, group or organization that has a stake in or is affected by the outcome of a particular activity.

**Standard:** Documented agreements containing technical specifications to be used consistently as rules, guidelines or definitions, to ensure that materials, products, processes and services are fit for their purpose (Box 9.1)

**Substitutability:** The degree to which elements can replace each other, e.g. human-made capital vs. natural capital (or vice versa).

**Supporting services:** Ecosystem services that are necessary for the maintenance of all other ecosystem services. Some examples include biomass production, production of atmospheric oxygen, soil formation and retention, nutrient cycling, water cycling, and provisioning of habitat.

**Total economic value (TEV):** The value obtained from the various constituents of utilitarian value, including direct use value, indirect use value, option value, quasi-option value, and existence value.

**Trade-offs:** Management choices that intentionally or otherwise change the type, magnitude, and relative mix of services provided by ecosystems.

**Vulnerability:** Exposure to contingencies and stress, and the difficulty in coping with them.

## LIST OF ABBREVIATIONS

CBA	Cost-Benefit Analysis
CBD	Convention on Biological Diversity
CDM	Clean Development Mechanism
CNC	Critical Natural Capital
EIA	Environmental Impact Assessment
ICCA	Indigenous or Community Conserved Area
KBA	Key Biodiversity Area
LBSAP	Local Biodiversity Strategy and Action Plan
MA	Millennium Ecosystem Assessment
MCA	Multi-Criteria Analysis
PA	Protected Area
PES	Payment for Ecosystem Services
PGS	Participatory Guarantee Systems
REDD	Reducing Emissions from Deforestation and Forest Degradation
SEA	Strategic Environmental Assessment
SLA	Sustainable Livelihoods Approach
TEV	Total Economic Value

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- TEEB in Business (2011) The Economics of Ecosystems and Biodiversity in Business. Edited by Joshua Bishop. Earthscan, London.
- TEEB in National Policy (2011) The Economics of Ecosystems and Biodiversity in National and International Policy Making. Edited by Patrick ten Brink. Earthscan, London.
- All TEEB publications are available online at [www.TEEBweb.org](http://www.TEEBweb.org). The last three publications are available as reports and will be published by Earthscan in an extended version as indicated.**
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*All URL were accessed last on 18 August 2010.*

## Acknowledgements

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**Illustration:** Jan Sasse

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**Stakeholder Consultations - Europe:** Bonn, Germany, April 2009; Bangor, Wales, July 2009; Moscow, Russia, February 2010; Hasselt, Belgium, February 2010; French Regions, February 2010

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