

Sustainable Development

ECOLOGICAL AGRICULTURE

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What is the **sustainable development**?

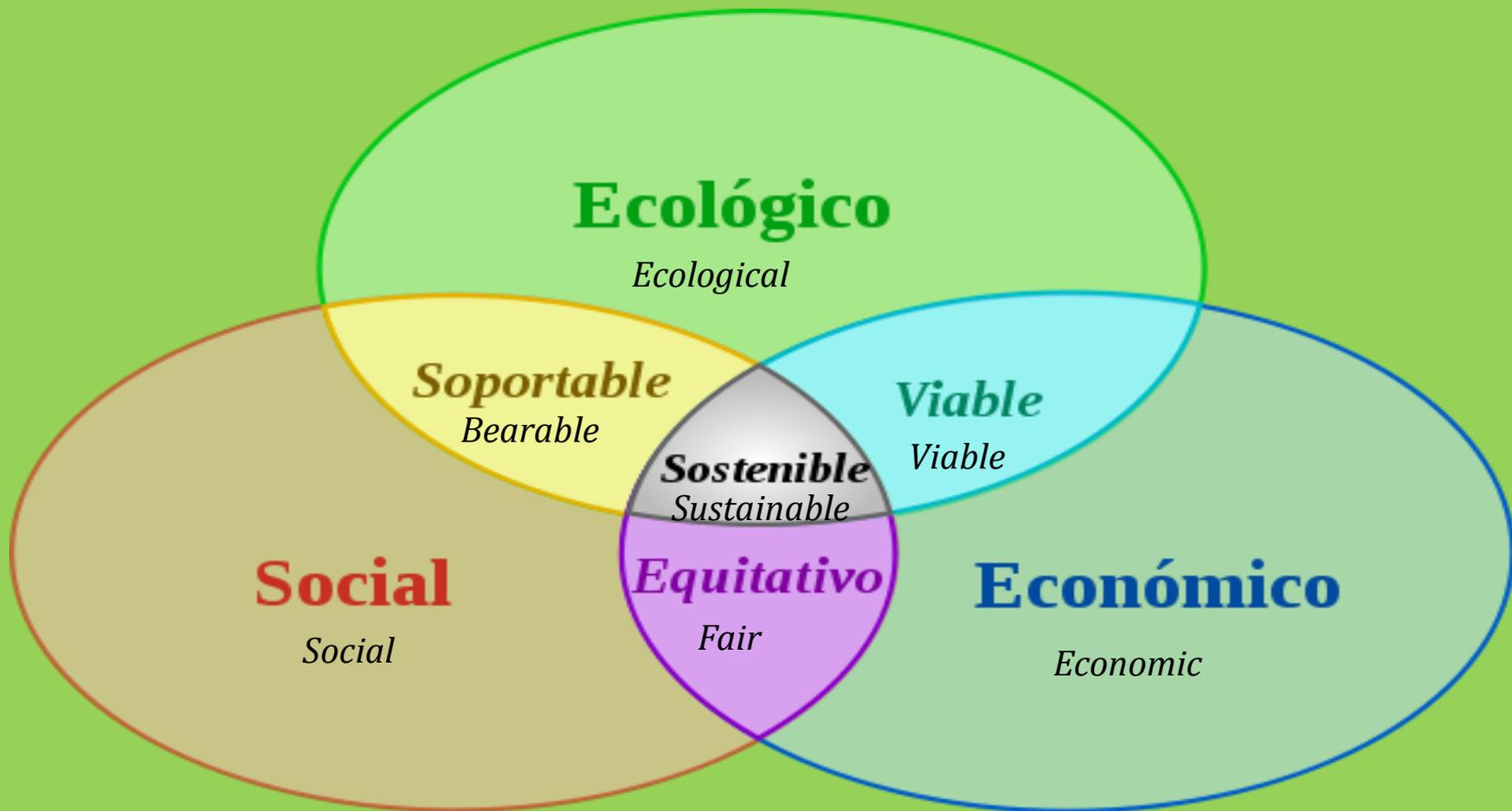
- The term **sustainable development** applies to socio-economic development and was first formalized in the document known as the Brundtland Report (1987), the result of the work of the World Commission Environment and Development, United Nations, established in United Nations General Assembly in 1983. This definition would take in Principle 3. Number of the Rio Declaration (1992).

Our Common Future: Meet the needs of present generations without compromising the ability of future generations to meet their own needs.

The field of sustainable development can be divided conceptually into three parts: ecological, economic and social development. It considers the social aspect of the relationship between social welfare to the environment and economic prosperity. The triple bottom is a set of indicators of organizational performance in all three areas.

Need to meet societal needs such as food, clothing, housing and work, as if poverty is common, the world will aim to disasters of various kinds, including environmental. Likewise, development and social welfare are limited by the level of technology, environmental resources and environmental capacity to absorb the effects of human activity.

In this situation, there is the possibility of improving technology and social organization so that the environment can recover at the same rate that is affected by human activity.



Ecológico

Ecological

Soportable

Bearable

Viable

Viable

Sostenible

Sustainable

Equitativo

Fair

Social

Social

Económico

Economic

What is the **ecological agriculture**?

- **Organic or biological farming** is a system to cultivate a farm-based autonomous optimal use of natural resources, without using synthetic chemicals, or genetically modified organisms (GMOs)-nor fertilizer or to control pests, achieving in this way obtain organic foods while preserving the fertility of the land and respecting the environment. All this in a sustainable and balanced.

The main objectives of organic food is getting healthier, higher nutritional quality, without the presence of substances obtained by chemical synthesis and sustainable procedures. This type of agriculture is a global system of production management, which increases and enhances the health of agricultural systems, including biodiversity, biological cycles and soil biological activity. This is achieved by applying, where possible, agronomic methods, biological and mechanical, as opposed to using synthetic materials to fulfill any specific function of the system. This form of production, in addition to providing ecological aspect, includes in its philosophy on improving the lives of its practitioners, so that it sticks to its goal to achieve full sustainability of agricultural production system is, constituted as an agro social, ecological and economically sustainable.

Biodynamic agriculture, permaculture, natural farming, indigenous agriculture, family farming, natural farming types are seeking a balance with the ecosystem are sustainable agricultural systems that have been maintained over time different regions of the world looking to satisfy the demand for natural and nutritious food to people and animals, so that the agroecosystem to maintain balance.



ECOLOGICAL AGRICULTURE

AVIPORTO



AVIPORTO

- Is a company specialized in providing bedding for livestock, as well as further processing into quality organic fertilizer.
- The process goes through a complete product traceability, highlighting by subject fertilizers to sterilization prior to granulation, the manure subjected to temperatures much higher than those achieved with compost and obtaining a final product fully sanitized.
- This process is the result of research agreements with the University of Santiago de Compostela, both as regards the production process and the subsequent agricultural valuation, being therefore scientifically supported.



Livestock Bedding

- *Camagán* is the most suitable product for livestock bedding. A study by the Royal Official and Top School of Aviculture has shown that compared to traditional materials such as straw or wood shavings, rice husk has the following advantages:
 - Easy operation to be a totally loose.
 - Easy storage.
 - Low moisture content.
 - More time spent in bed, due to greater drainage.



Fertilizer : Main Features

BIOF-1:

- **Natural.** Is a natural product with high-power fertilizer.
- **Dried.** With soil incorporation of BIOF-1, not incorporated water but organic matter quality.
- **Live.** His live bacterial load and completely revitalize it suitable for biological and microbiological activity of soil.
- **Active.** All BIOF-1 composition, organic matter, nutrients make this natural fertilizer a biologically active in the field and the plants.
- **Pure.** BIOF-1 is a subscription free of pathogens, antibiotics and weed seeds, being free from Salmonella, coliforms and streptococci.
- **Not washable.** Being a natural product provides nutrients that are part of the original organic product and therefore are not washable, always being available to meet the requirements of crops.
- **Hydroscopic.** Increases the capacity of the land to retain water. It can absorb up to 4 times its weight in water, increasing to 3 times their volume.
- **Soluble.** In the presence of water is available in just five minutes and is completely dissolved in 4 hours.
- **Practical.** Is distributed with great ease and consistency.
- **Always available.** All the nutrients and trace elements are integral parts of organic origin of the product, therefore not subject to the phenomena of inactivation or demotion, but gradually become available by mineralization of organic matter and can be absorbed completely by crops.



- *BIOF-1* is effective and profitable. His wealth in nutrients and his organic matter regenerates horticultural crops, helping to the development and productivity of the plants, fertilizes inert soils and special surfaces, as is the case of open pit mining or planting of cover crops, better than any chemical fertilizer.

