SYNTHESIS ON THE INTERACTION BETWEEN LIVESTOCK FARMING, THE ENVIRONMENT AND THE SUSTAINABILITY OF BUILDINGS

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Abstract

Modern livestock farms represent complex systems in which the built infrastructure, biological processes, natural resources and environmental factors are in permanent interaction. The development of these farms must be analyzed from the perspective of environmental protection, the sustainability of buildings and the capacity of ecosystems to respond and recover from anthropogenic interventions. The synthesis paper brings together and correlates the main ideas from studies on the systemic approach to livestock buildings, the impact of farms on the environment, the relationship between disturbance, impact and natural recovery, as well as the influence of environmental factors on the technical condition of buildings. The types of impact generated by the location, construction and operation of farms, the forms of structural degradation produced by the aggressive environment specific to livestock farming and the role of environmental impact assessment in the design and management of modern farms are highlighted. The results show that economic performance, environmental protection and sustainability of buildings should not be analyzed separately, but in an integrated framework, capable of supporting the development of a modern, competitive and responsible livestock farming.

Key words: *animal husbandry, environmental protection, impact assessment, construction sustainability, natural restoration, sustainable development*