

Tecsuma introduces a novel, web-based three-dimensional knowledge structure that conceptualizes the complex, dynamic and systemic nature of realizing sustainability. The three dimensions (**humanity's global challenges and problems; knowledge about sustainability science; and available models and strategies**) contain components that can be integrated in interdisciplinary fashion to confront local or global problems, such as climate change, water scarcity, ecosystem recovery, loss of biodiversity, renewable energies, and zero waste campus.

One particular challenge is how to install effective programs on Environmental Education for Sustainability, EES, in universities, schools, corporations, and public and private institutions. Tecsuma's EES knowledge structure is a subset of the sustainability structure mentioned above and has three dimensions, namely, **global and local challenges and problems; knowledge about sustainability education and specific pedagogies; and EES models and strategies**. In the latter, two components -Tecsuma's infusion and transformative models- provide support to the EES training of professionals, faculty and teachers. A web site integrates the three dimensions with curricula and programs which result in specific transformative pedagogy actions and EES resource creation. For reasons of space, the figure with the EES knowledge structure, displayed [here](http://tecsuma.cl/animations/knowledge_structure/) as an animation, shows only a limited number of all possible components in each dimension.

(1) (1) http://tecsuma.cl/animations/knowledge_structure/

