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Lumaco School as a Learning Community and Agroecological Lighthouse.

The Agroecological School of Lumaco, hereinafter EAL, emerged in 2012 as a learning community, community learning to revitalise, make visible and value local, peasant and scientific-technological knowledge about food production with an agroecological approach.

After 10 years of existence and these last few post-pandemic years, EAL has forged an imprint of a "resilient community", as is expected to happen with the production systems experimented in the 9-hectare plot. There is a great Biodiversity of species of Valdivian Temperate Forest, unique in the world, which generates a buffer zone for the production and demonstration of peasant and ancestral products cultivated more than 50 years ago in the Province of Valdivia.

EAL is currently considered one of the 3 Agroecological Lighthouses of the Los Ríos Region, which arises from the will and commitment of a group of people from a farmers' organisation and the support of a municipal public institution, the Municipality of Paillaco, Los Ríos Region, Chile.

The school is the meeting place to share knowledge, generate bonds, trust and build a possible path for sustainable food production under climate change conditions.

At present, a BioGarden has been implemented and stabilised with the production of herbaceous and shrub species commonly used in the area, including vegetables, aromatic herbs, legumes, cereals, pseudocereals, small fruit trees, among others.

Rainwater harvesting technology has been developed, as well as more efficient irrigation systems for open-air vegetable gardens and greenhouses. A biofilter system for grey water. Ponto will incorporate a nursery module for the production of native trees for watershed protection.

The forest is the beginning of everything, a substantive, primordial part of the water cycle and life as we know it. That is why the EAL guided tour starts there for those who visit us, and then we observe the consequences of inappropriate land use and how regenerative formulas can be practised in the conditions of global warming that affect us.