



AlVelAl. The implementation of the 4R3Z20Y model in the Semiarid Highplane

Regenerando Tierra



Enraizando gente

About us



We are an association with more than 450 associated partners, that promotes the regeneration of the landscape of its territory through:

1. Ecosystem restoration, regenerative agriculture and livestock farming and economic dynamization.
2. A movement that aims to raise awareness that ecology and economy must go hand in hand for the sustainable development of their land, being more resilient to climate change
3. and offering future opportunities for a living rural world by the implementation of 4R-3Z-20Y



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ALVIA®

2 Autonomous Communities

3 Provinces

5 Shires

78 Municipalities

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In deep 4R3Z20Y



4 returns



**RETURN OF
INSPIRATION**

Giving people hope and
a sense of purpose



**RETURN OF
SOCIAL CAPITAL**

Bringing back jobs, business
activity, education and security



**RETURN OF
NATURAL CAPITAL**

Restoring biodiversity,
soil and water quality



**RETURN OF
FINANCIAL CAPITAL**

Realizing long-term
sustainable profit

3 zones



Natural zone

Combined zone

Economic zone

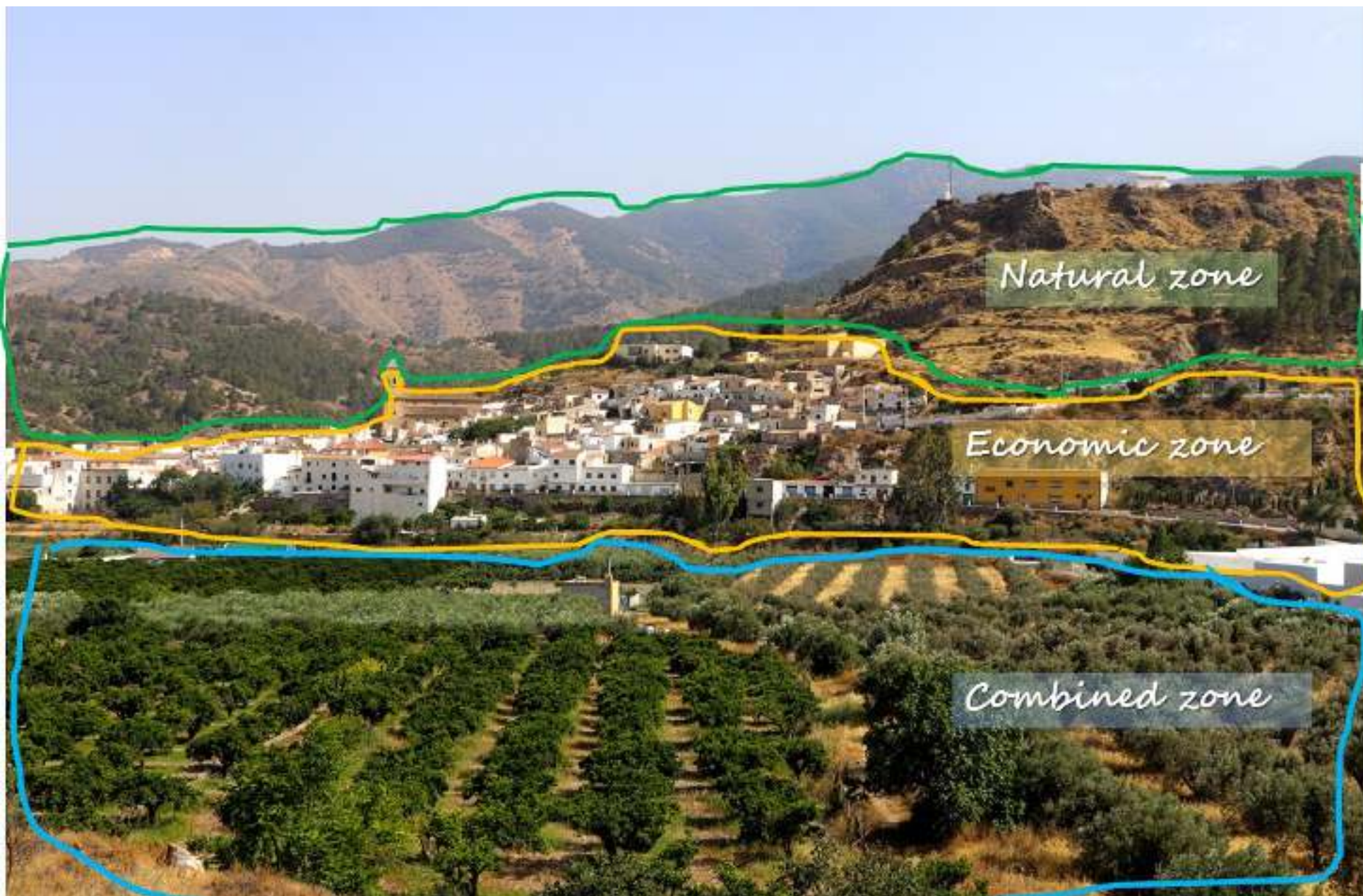
20 years

A long-term approach is important since it
takes minimum 20 years – or one generation
- to restore a landscape

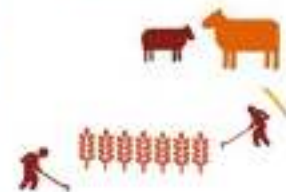
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Working local – Thinking Global



We are part of an international network of large-scale landscape restoration initiatives with projects in South Africa, Australia and the Netherlands, among other countries, created by Commonland. We are part of the Bonn Challenge, a global effort to restore 350 million hectares of degraded and deforested land worldwide by 2030.



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A high-angle photograph showing a group of about seven people working on a stone wall in a field. The wall is made of large, flat stones and is being built on a dirt ground. The people are wearing various casual clothing, including t-shirts, vests, and hats. Some are kneeling or crouching, while others are standing. The background shows a dirt field and some green vegetation on the right side.

Projects

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Ecosystem restoration



Since 2017, AIVelAI has had an ecosystem restoration plan that includes various actions with the intention of creating an East-West axis that links the territory and serves to connect the natural areas located to the south and north. To this end, it takes advantage of natural areas of farms belonging to farming partners who implement Ecological and Regenerative Agriculture techniques; and cooperation with the different administrations responsible for the environment. Actions possible thanks to the collaboration of public and private entities.



La Muela
Ecosia

Construction of small checkdams with local materials to improve water capture. Planting of 77,853 individuals of various autochthonous species. Use of Cocoons for those species more sensitive to drought.



El Cortijico
Ecosia

Planting of 29,200 indigenous trees and shrubs. Sowing of 703,256 seeds using different techniques, including the innovative method of sowing coated seeds with drones.



El Estrecho
Jonas Phylantropies

Improvement of the ecosystem of an old crops. Planting of 3,666 native bushes and trees. Direct sowing of 5000 acorns



Los Chaveses
Tree-Nation y Trees for All

Planting of 39,500 individuals of autochthonous species. Recovery of stands of natural vegetation in former marginal agricultural areas. Rainwater harvesting and creation of breeding sites for amphibians. Obliteration of exotic species of trees like *Ailanthus altissima*. Stone mulching to conserve soil moisture.



Los Barrancos
Ecosia

Planting of 42,000 native and endangered species. Creation of a population nucleus of *Juniperus thurifera*. Preservation of the sediments of the dykes built by the regional administration by *Tamaryx africana*.

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Ecosystem restoration



La Capellanía Tree Nation

Planting of 10,000 trees and shrubs, to assist the evolution of the dominant vegetation series in former marginal farmlands



Belveles Pto. Viejo Tree Nation

Planting of 10,000 native trees and shrubs to assist the evolution of potential vegetation. Creation of a core population of *Juniperus thurifera*.



Pozo Jara Life -Terra

Ecosystem improvement planting with 20,000 trees and shrubs. Forest diversification. Flower and fruit production. Assisting vegetation cover evolution.

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A person wearing a brown jacket and a green cap is bent over, working on the ground in a rocky, scrubby landscape. In the background, another person is visible, also working. The ground is covered with small rocks and low-lying vegetation. A black plastic tray containing small plants is visible in the foreground.

We plant endemic subserial species for the integral restoration of ecosystems preferably.

- Black hawthorn- *Rhamnus lycioides*
- White poplar– *Populus alba*
- Black poplar – *Populus nigra*
- Olm oak tree - *Quercus rotundifolia*
- Sharp cedar - *Juniperus oxycedrus*
- Phoenicean juniper- *Juniperus phoenicea*
- Spanish juniper- *Juniperus thurifera*
- Austrian pine tree– *Pinus nigra*
- Aleppo pine tree– *Pinus halepensis*
- Common brum- *Retama sphaerocarpa*
- White hawthorn- *Crateegus monogyna*

Ecosystem restoration



First action to restore a Natural Area on a private estate

La Capellanía Tree-Nation

Conversion of 15 hectares into natural woodland through the restoration of the ecosystem. Planting of 10,000 seedlings.



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Partners and Network



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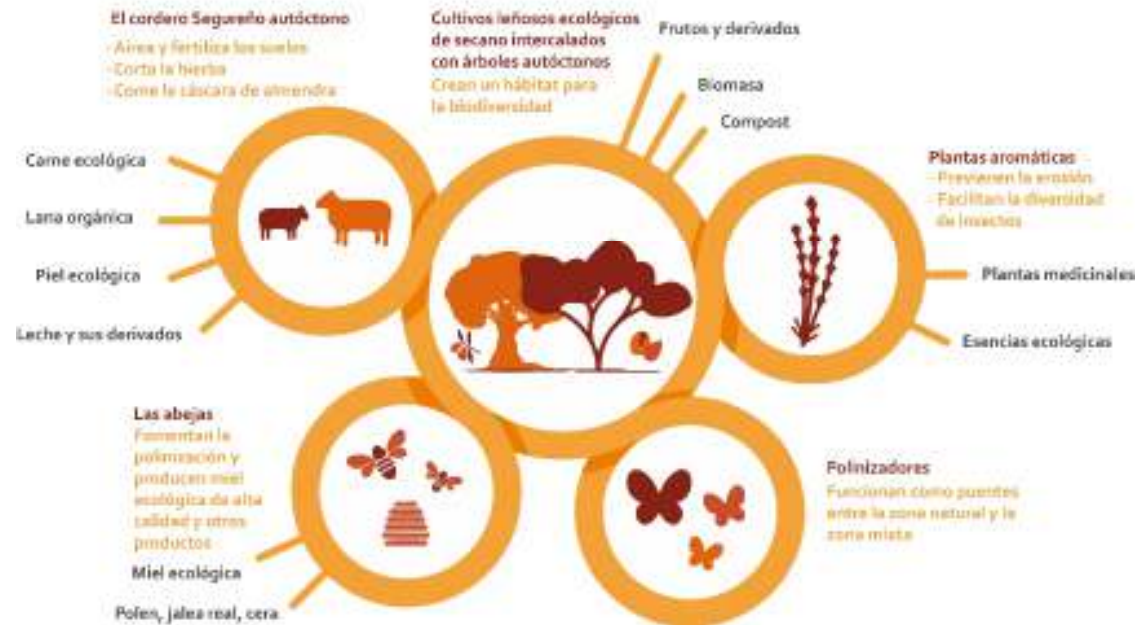
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Regenerative Agriculture

This territory is world renowned for having the largest production of rain-fed almonds, with 100,000 hectares of cultivation, more than half of which is organic. Other minority crops such as olive groves, aromatic herbs, wine grapes, fruit trees, vegetables, pistachio and sheep farms. We are committed to a production model that we have called Almendrehesa, but applicable to any other woody crop.



Ecosistema productivo integrado para una restauración a gran escala basada en casos de negocios

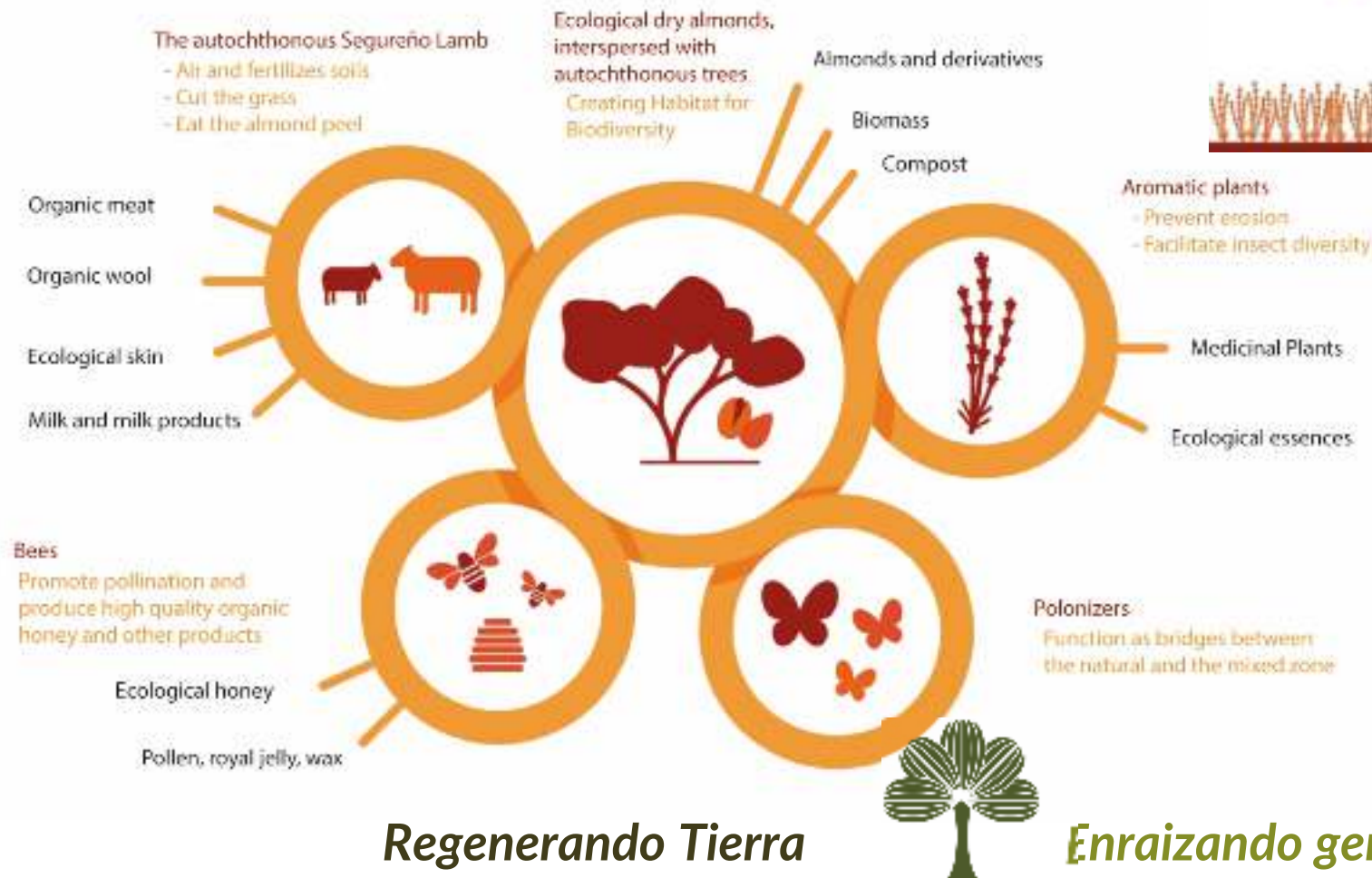


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Almendrehesa: An integrated production ecosystem for Large Scale Restoration based on business cases



Regenerative Agriculture



We have a long-term experimental farm for the cultivation of almond trees in Organic and Regenerative Agriculture. The aim of this farm is to validate with results the different soil regenerative techniques and agricultural management that we promote:

- Improving soil fertility and preventing soil erosion (green cover, green manure, hydric corrections and desing)
- Promoting carbon conservation and sequestration in the agricultural sector (organic amendments, green cover management)
- Improving biodiversity and increasing pollinators (teselar diversification)
- Optimising the use of fertilisers and pesticides in agriculture
- Improving farm economic performance and agricultural diversification
- Preserving landscape condition
- Fostering innovation, cooperation and development of the knowledge base in rural areas
- Improving the competitiveness of primary products by integrating them into the agri-food chain through added value
- Facilitating the supply and use of non-food raw materials to boost the development of the bioeconomy

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Regenerative Agriculture



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Regenerative Agriculture

European Projects Participation

Farms for Climate, between Mediterranean countries, for monitoring carbon sequestration in regenerative farms;

Erasmus+ Trasfarmer, for the exchange of experiences between farmers in Alentejo (Portugal) and the AlVelAl territory (Spain).



Colaboran:



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Inspiration



AI Vel AI 8000



This pioneering and inclusive landscape and socio-economic restoration project begins in 2018. AI Vel AI 8000 combines nature and art through Land Art, with a reforestation with native aromatic plants simulating El Indalo, one of the most emblematic figures of La Cueva de Los Letreros, more than 8,000 years old and declared a World Heritage Site by UNESCO.

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Acknowledgements



- In 2017, the AlVelAl Association became a member of the UNESCO Centre of Andalusia.
- In 2018 it became part of the FAO initiative on mountain areas. In the same year, the association was awarded the Andalusian Flag, a recognition granted by the Junta de Andalucía on the occasion of the Andalusian Autonomy Day.
- In 2020, the IES José Marín, (Vélez Rubio-Almería) recognised the AlVelAl association for its participation in the project "Regenera 2. Learning from companies".
- AlVelAl is certified Voluntary Conservation Areas, by Earth Mind; and Forest Ecosystem Restoration Standard, by Preferred by Nature.
- In November 2021, AlVelAl received the Seal of Responsible Communication awarded by the Association of Journalists of Andalusia. In the same month, the Triodos Bank Foundation awarded AlVelAl the 2021 Special Prize for its work in Social Agriculture.

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Thank you very much for your attention

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