

Summary



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The Network of Huertas km 0: an ecological production for the city of Zaragoza

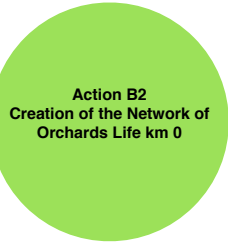


To understand what the **Network of Orchards Life km 0** is, the best is to distinguish the different types of agricultural plots of land of the orchards in Zaragoza which can integrate this network.

- 1. Existing agroecological plots of land:** Plots of land of the orchards in Zaragoza which are already in agroecological growing and whose owners decide to incorporate them in this network voluntarily.
- 2. Plots of land in restructuring:** the plots of land of those farmers who want to reconvert their plots of land to ecological fruit and vegetable growing. For this, they must sign a document which reflects a series of conditions and compromises related to this type of growing
- 3. Plots of land of new farmers:** those which the student body of the **Green Agricole School km 0** starts with agroecological growing, coming from the **Land Bank in Zaragoza**.
- 4. Plots of Land 0:** Experimental plot of land of ecological agriculture, settled next to the Tower of Saint Engracia in Movera, headquarters of the **Green Agricole School km 0**, space of foment of biodiversity and performing of training practices of the new ecofarmers for the orchard in Zaragoza.



To be able to inscribe the plots of land in the **Network of Orchards Life Km 0**, these must be productive orchards and professionally worked, that is to say, the farmers must be registered in the agrarian activity, either as self-employed or as enterprises of agriculture devoted to the production of foods.



ZAR
AGO
ZA **Huertas**
life ★★



The Land Bank of Huertas Life km 0 in 5 questions and answers



With the aim of letting know about the Land Bank, its objectives and functioning, several informative meetings for farmers have been done in several rural areas in Zaragoza (Juslibol area on the photo).

Likewise, a communication campaign is being done on the radio to let know about the initiative and encourage the transfer of lands.

1 What is the Land Bank?

The Land Bank Km. 0 in Zaragoza (BTHZ) es an administrative register of public character in which the irrigation plots of land will take part, which have been supplied for rent, sale or transfer for agricole owners of the orchard in Zaragoza, with the aim of being for the agroecological fruit and vegetable growing.

2 What is the role of the City Hall of Zaragoza?

The role of Zaragoza will be to inform, facilitate the contact and act as intermediary between the owners and the people who are interested in their growing.

With this aim, a set of talks in the rural areas in the municipal area of Zaragoza have started to detect the availability of land and encourage the owners to participate in this project which want to revitalize the orchard in Zaragoza.

3 What must I do if I am interested in the land Bank?

You can find the complete document which describes the creation and the functioning protocole of the Land Bank Orchards Km. 0 in Zaragoza [in this link](#).

Likewise, you can accede to the [“Inscription application form in the register of BTHZ”](#) and [“discharge application in the register BTHZ”](#).

4 Who can have access to the Land Bank?

From the creation of the BTHZ till the proyect LIFE finishes (2016) the integratns of the Training Programme Orchard Life Km. 0 will have priority to have access to the registered plots of land. Likewise, other people who can show qualification or experience in agroecological growing equivalent to the one got in this training will be able to accede to them.

You can accede to the [“access application form to the information of the plots of land inscribed in the register of BTHZ”](#).

5 Which is the final objective of the Land Bank?

The objective of the BTHZ is to make the access to the lands easier to people who want to implement a professional agrarian activity, with an agroecological focus.

Besides, it is desired to fulfill with the objective of the Project Huertas Life Km. 0 through which the City Hall of Zaragoza has compromised with the European Union to promote the creation of 25 working positions and 75 hectares of production of ecological fruit and vegetable in the orchard of Zaragoza, so that supply the city with healthy and nearby foods.

For more information, you can contact the telephone: 646360718 and the email:

huertaskm0-tierras@zaragoza.es

Action B2.
Creation of the Network
of Orchards Like km 0

The diplomas of the second training phase of The Green Agricole School km 0 were handed in



The 19th December 2014, the students of the **Green Agricole km 0 School** got the diploma which gave credit to the second training phase of the Tower Saint Engracia in Movera, done between September and December of 2014, within the **European Project LIFE Orchards km 0**.

The City Councilor of Culture, Education and Environment, Mr. Jerónimo Blasco, took part in this act of handing of diplomas and closure, together with the Director of the Environment Agency of the City Hall of Zaragoza, Mr. Javier Celma, and explained the students about the importance about this recovery of the orchard program for the City Hall of Zaragoza. After, he handed the diplomas which awarded the fulfillment of the 250-hour- theory and practice training which were in this second module.

We must remember that fifty people from the 120 initially inscribed in the School, were selected who did an introductory module of 40 hours between June and July 2014. When they finished, they made a project, being altogether 38. Each one was interviewed individualized to know the project, their motivation and personal attitude. In this way, a total of 36 students had access to this second training phase in the **Agricole School km 0**. During the months of September and December 2014, they were formed in the theoretical and practical aspects to launch their own projects of ecological agriculture in future. Besides receiving information in the aspects related to the cooperativism and collective undertaking, this phase was profiled in three training axis: administration and management of the agrarian activity, agronomy and agroecological production and commercialization of agroecological products.

Blasco, accompanied by the persons in charged of the training, visited the land next to the Tower of Saint Engracia in Movera, where the works of conditioning of the Land 0 started and all the learning process and cultivation of the different species has developed.

The objective of the **Green Agricole School km 0** is that, once completed the training period, the students are in condition of implanting their professional project of ecological agriculture. For this, in the third phase – a module of 100 hours of accompaniment and tutorship per participant, which is developed all over the year 2015 – they make use a support and advice service which accompany them to settle their cultivation business and later sale of products which are from their plots of land.

Acción B.6.
Green jobs in orchards of
Zaragoza (2). The Green
Agricole School km 0



A leaflet helps us know the establishments joined to Huertas Life km 0

MUESTRA AGROECOLÓGICA DE ZARAGOZA		ESTABLECIMIENTOS CON PRODUCTOS ECOLÓGICOS	
mañanas de los domingos en Plaza Sinués (detrás Teatro Principal) www.mercadoagroecologicozaragoza.blogspot.com		adheridos al Proyecto Huertas Life Km0	
TIENDAS			
A ZESTA BERDA C/ Padre Consolación, 21 50003 Zaragoza T. 976456921 www.azestaberda.com tienda@azestaberda.com facebook azestaberda	DE VERDA BOTIGA C/ Sixto Celorrio 26 local izq 50015 Zaragoza T. 618649948 deverdabotiga@gmail.com facebook De Verda Botiga	LA HUERTAZA Pza Jardines Aguilar de Ebro 50014 Zaragoza T. 976207321 www.lahuertaza.es tienda@lahuertaza.es facebook lahuertaza	BIO BIO ZARAGOZA C/ Tobazo, 3, local 50012 Zaragoza T. 976901738 www.biobiozaragoza.es www.tiendaecologicabiobio.com info@biobiozaragoza.es facebook biobiozaragoza
ECOTIENDA LA TIERRA Bolonia, 33 50008 Zaragoza T. 976228392 facebook Ecotienda La Tierra Bussiness View (Google maps)	LA NATURAL Pº Fernando el Católico, 9 50006 Zaragoza T. 976359283 www.la-natural.es info@la-natural.es facebook LaNaturalSL	LA OLIVA Pedro María Ric, 8-10 50008 Zaragoza T. 976233377 www.laolivazaragoza.com info@laolivazaragoza.com facebook laoliva.zg	EL BISALTICO www.elbisaltico.es elbisaltico@elbisaltico.es elbisaltico.blogspot.com/es
RESTAURANTES			
BIROSTA BAR C/ Universidad, 3-5 50001 Zaragoza T. 976 205 333 www.birosta.com / birostabirosta@gmail.com facebook birosta.zaragoza	EL PLATO REBERDE C/ San Lorenzo, 5 50003 Zaragoza T. 976293525 platoreberde@gmail.com facebook elplatoreberde	LA RETAMA C/ Reconquista, 4 50001 Zaragoza T. 976397910 / 615377441 facebook restaurantelaretama	
CESTAS			
HORTUSBIO www.hortusbio.es	HUERTO NATURAL Sébastien Debono T. 65749835 huerto-natural.blogspot.com huertonatural@gmail.com	SABORES PRÓXIMOS Lugarico de Cerdán, 267 Movera T. 660868231 www.saboresproximos.com info@saboresproximos.com	

A simple and practical brochure under the motto “Zaragoza wants to eat from its orchards again” has been edited within the **Project Orchards LIFE km 0**, which gathers the establishments with ecological products adhered to this project and which distributes some ecological products of the orchard in Zaragoza.

We can find in it: eight shops, three restaurants and four basket distributors with ecological foods of nearness and proximity, with all their contact data: address, phone number, email address and web page or social network, what will allow us to localize them, visit them and inform about what products are available. The brochure also provides the link to the already habitual Agroecological Exhibition in Zaragoza, which is celebrated every Saturday in José Sinués Square, behind the Principal Theatre.

The brochure includes backwards a chart with the season foods from the orchards in Zaragoza. The calendar is thought for the growing of the fruit, vegetable and vegetables in the area of the municipality of Zaragoza. The months which are indicated corresponds exclusively with the collection season, without having into account the possible preservation, and are indicative as they can vary as regards to the concrete weather forecast every year, if greenhouses are used or other means to put forward or back the crops or also, if early or late varieties are grown. You can find the list on the next page and unload the complete brochure in pdf attachment in [this address](#).



Action: B.8.2
Plan of sensitiveness and information to citizenship.
Impulse of the consumption of natural products km 0

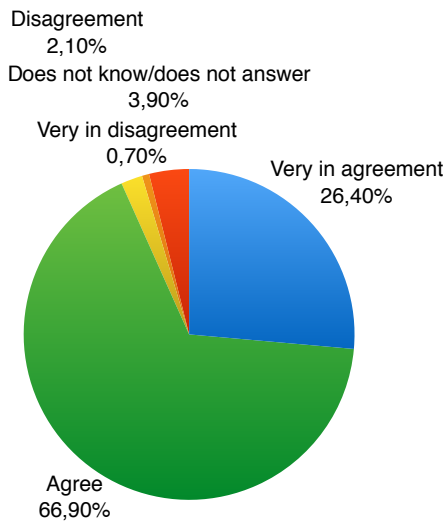
ALIMENTOS DE TEMPORADA DE LA HUERTA ZARAGOZANA: SANOS Y SABROSOS

	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
ACELGA												
AJO TIERNO												
ALCACHOFA												
APIO												
BERENJENA												
BISALTO												
BORRAJA												
CALABACÍN												
CALABAZA												
CARDO												
CEBOLLA												
COLES												
BRÓCOLI												
ESCAROLA												
ESPINACA												
ESPÁRRAGO												
HABA												
JUDÍA VERDE												
LECHUGA												
PATATA												
PEPINO												
PIMIENTO												
PUERRO												
RÁBANO/ITO												
REMOLACHA												
TOMATE												
ZANAHORIA												
ALBARICOQUE												
CEREZA												
CIRUELA												
FRESA												
HIGO												
MANZANA												
MELOCOTÓN												
MELON												
PERA												
SANDÍA												
UVA												

"Este calendario está pensado para el cultivo de las frutas, verduras y hortalizas en la zona del municipio de Zaragoza. Los meses indicados se corresponden exclusivamente con la época de recolección, sin tener en cuenta la posible conservación. Los meses son orientativos ya que pueden variar en función de la meteorología concreta de cada año, o si se utilizan invernaderos u otros medios para adelantar o retrasar las cosechas o, también, si se cultivan variedades más precoces o tardías."

A 93,3 % of the citizens of Zaragoza agree or agree very much with the performing of the Project Huertas LIFE km 0

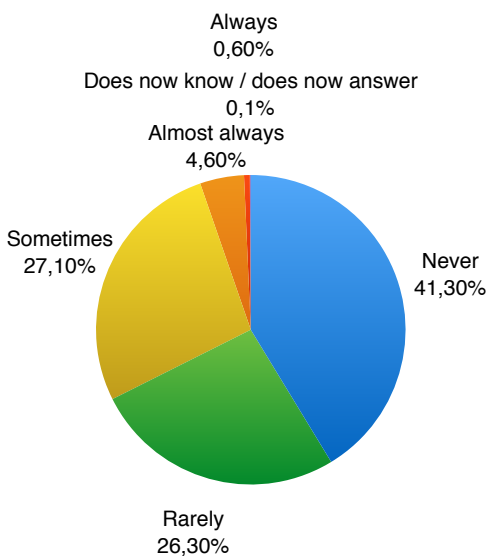
Agreement with the project



The City Hall of Zaragoza has performed a citizen survey to value the perception that the citizens have about the orchard in Zaragoza and its products, in the frame of the **programme Orchards Like km 0**.

First of all, we must emphasize that there is a big grade of agreement with the performing of the programme Orchard Life Km. 0: The 93,3 % of the citizens surveyed agree or agree very much with its performing. The analysis of the grade of knowledge of the citizens about the orchard in Zaragoza shows that it can improve a lot. As an example, while almost 35 % of the citizens think that in our orchard, only vegetable-fruit products are grown, really only the 2,10 % of the surface (227 of the 10.778 hectares of irrigated land) are devoted to it, being the biggest extension for the intensive growing plants (cereal, lucerne). The decline situation of the orchard is perceived by about most of the people surveyed and it is unknown the low number of gardeners in active (fewer than 50) by the 85 % of the surveyed ones.

Willingness to buy vegetable-fruit ecological products



Among the results of consumption habits, it is emphasized that half of the people in Zaragoza surveyed declare always getting season products and another third part always doing it, totalizing 83,6 % the ones who say they always or usually do it. More than 60 % say always or usually pay attention to the precedence of the products of the orchard they buy. A 65,2 % of the citizens manifest their precedence to the proximity products, by choosing mainly (always or usually) products of Zaragoza when they buy vegetable-fruit products. The most known type of growing is "borage", followed by "tomato and chard". Endive and artichoke are less known as typical products in our orchard.

The willingness to buy ecological vegetable-fruit products, one of the objectives of the project Orchard LIFE km. 0, is still reduced. A 41,3 % manifests never buying ecological products from the orchard in Zaragoza and a 26,3 % (almost never) (totally 67,3 %). And the ones who do it, the frequency is low, as 27 % sometimes do it, but only 4,6 % usually and 0,6 % always. The reasons that they manifest to do it, the ones who do it are mainly for health (65,9 %), for taste (50 %), for the environment (33 %), for consumption and local employment (29,2 %) and for other reasons (2,2 %).

The establishments where the ecological orchard products are mainly bought are the market stalls and/or traditional shops (fruitgrocer's or greengrocer's), with 37,6 %, followed by specialized shops (19,5 %); followed by supermarkets (17,7 %) and the agroecological market (15 %). The places less used are the hypermarkets (5,8%) and the ecological baskets (4,4 %). There seems to be certain confusion between proximity and ecological products.

The main reasons wielded for not buying fruit and vegetable ecological products in Zaragoza are the price (half of the surveyed) and the difficulty to find them (a third of them). Others are their not enough identification (18,8 %), almost equal to the unknowledge of the differences with the rest (17,8 %), the little variety (13,1 %), worse presence (3,4 %) and a wide section of others (23,55 %), where the self-sufficiency is highlighted (8%), the no reliance about being ecological (5,5%) and that they do not notice or is indifferent for them (5,3 %).

However, there is a high acceptance of the ecological products of the orchard in Zaragoza, as it is indicated by the percentage of 86,9 % of the citizens who support that from the Administration more resources are dedicated to increment the consumption of these products. Almost nine over ten people

support that this kind of products is supplied in diningrooms of collective restaurant industry, to a great of less extent. Also, almost eight people over ten demand that the hotel trade in Zaragoza integrates these products in their restaurants.

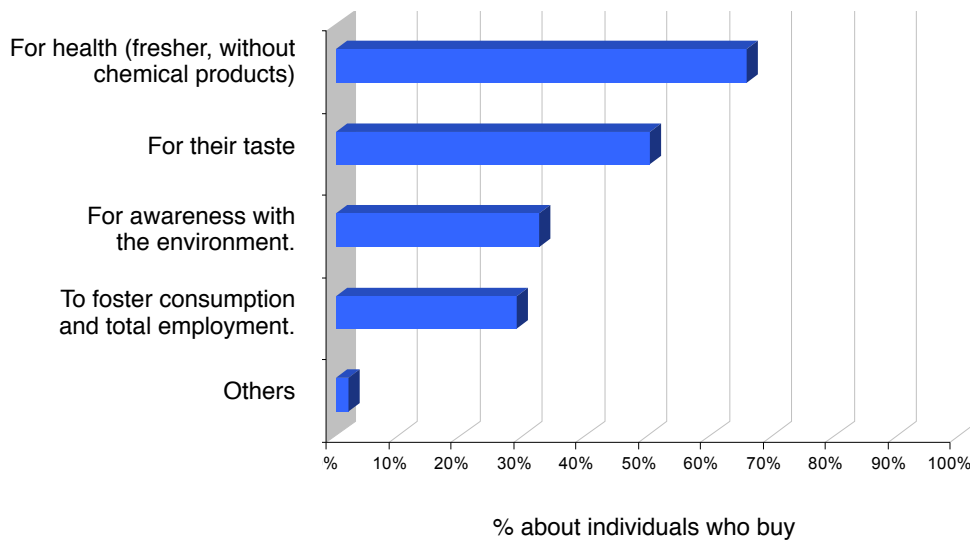
The study also analyzes some of these variables according to gender, age, sociolaboral situation and level of study.

The performing of another survey when finishing the project will allow to value the change of habits in citizens at the time of buying fruit and vegetable ecological products of proximity in Zaragoza.

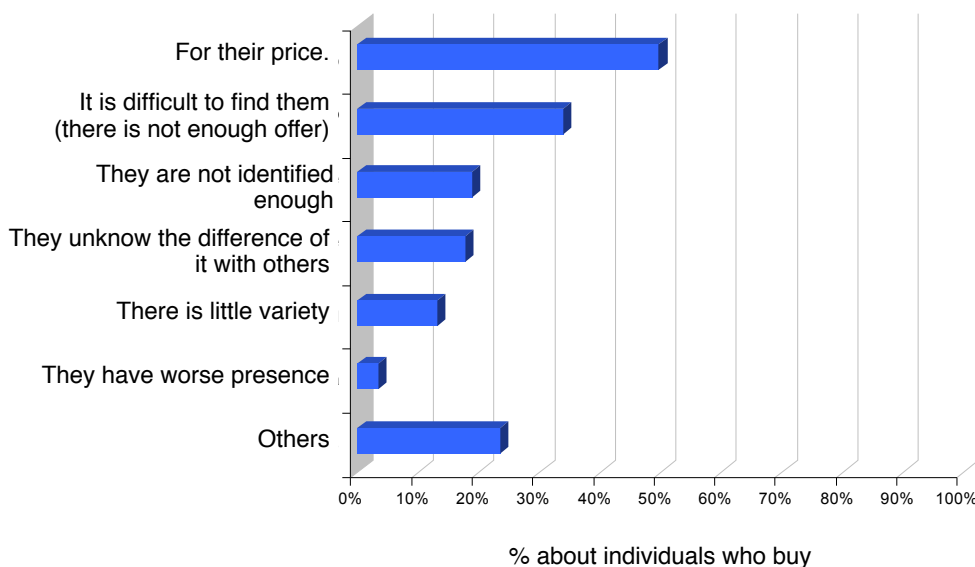
Action C2.
Index of satisfaction of the citizens as regards to the actions carried out.

Action C3.
Evaluation of the socio-economic impact of the project Orchard LIFE km 0.

Reasons to buy ecological products.



Reasons for not buying ecological products.



Huertas LIFE km 0 has a specific tool to calculate the emissions of CO₂

The Project Orchard LIFE km 0 has estimated that the foreseen transformation of about 75 hectares of conventional agriculture land into ecological agriculture would suppose, according to several studies consulted, 32 % reduction of omissions for this change of productive model. To this reduction, it would be necessary to add the derived of the consumption in the municipality of 1500 tons of ecological vegetables, which would mean stop giving out 30 tons of CO₂ per year derived from the transport of such food from far places.

With the aim to calculate these reductions in a reliable way, a specific Orchard Life Km. 0 carbon track calculator has been developed from the project within a methodological proposal of value and quantification model which allows to carry out a follow up of the emissions derived of different performings of the project and functioning of the parcel 0, done by the Department of Economic Analysis of the Faculty of Economy from the University of Zaragoza.

With this tool, in calculation sheet format, the emissions of extent (1) can be got (by the use of fuels in fixed installations, transport and displacements), of extent (2) (by supply of electric energy) and of extent (3) (by use of water, pesticides, fertilizers, rests of consumption, etc...)

The tool includes the pertinent emissions factors and from the data introduced in the ambits indicated, it gives the emissions by square metre, by kg of expected production and by kg of reached production.

A study of the carbon track which makes the present supply model of food in the city, is being done with the aim of being able to evaluate the diminishing produced after the launch of the Network Orchard km 0.

Action C1.
Environmental
Impact of the
project.
Ecological Track and
control of CO₂
Emissions.



Briefs

Huertas LIFE km 0 and its Green km 0 Agricole School donate their crop to charitable entities



Last 11 march 2015, the Green km 0 Agricole School handed about 75 kilos of ecological vegetable (broccoli, chard, borage, spinach, leek, celery, lettuce, bok choy and cabbage) to the social dining room in the Church of Carmen. As food is grown, new deliveries are organized.

In this way, the popular solidarity network in Zaragoza, has benefited of another delivery of about 130 kg. of ecological vegetables produced by the Green km 0 Agricole School . They picked 20 kilos of celery, 30 kg of chard, 40 kg of broccoli, 5 kg of borage, 1 kg of spinach, 3 kg of new onion, 1 kg of lettuce, 20 kg. of cabbage and 10 kg of cauliflower which will be used to support people at social exclusion risk.

The school has trained 35 students who have been able to learn about very diverse subjects and practices as management of an agricole, agronomy or product trading enterprise. The practical training of these students has been done in the area called "Land 0", located in the Tower of Saint Engracia in the area of Saint Engracia, orientation model for the new lands which will be created under the project LIFE. From this "Land Zero" the crop destined to donation is extracted. The Land Zero is included within the so-called Network of Orchards LIFE km 0, which is explained in this Newsletter.

A study about the orchard in Zaragoza has been introduced, done by French students



On 19th March 2015, a study about the orchard in Zaragoza has been introduced in the Centre of Histories in Zaragoza, done by the International Centre of Superior Studies of Agronomy – Montpellier SupAgro, in collaboration with CERAI (Centre of Rural Studies and International Agriculture) in the framework of the project Orchard LIFE km 0 of the City Hall of Zaragoza.

The study, done with the aim to carry out an agrarian diagnostic of the orchard in Zaragoza by 32 french students in this centre and their teachers, has been performed through interviews to gardeners of the orchard in Zaragoza, both ecological and conventional growing, to small and bit trading enterprises and to different entities with projects which foster the ecological agriculture and the sustainable feeding.

Follow-up meeting of the programme Huertas LIFE km 0



On 12th February 2015, a meeting of all the development team and follow up of the programme Orchards LIFE km 0 was held. The development of each one of the foreseen actions was reviewed and the future actions to do were planned.



Zaragoza Huertas LIFE km 0

Zaragoza Orchards LIFE km 0 is an European project for the environmental recovery of periurban spaces in Zaragoza, through intervention of the ecosystem and ecological agriculture.

You can find more information about the project **Zaragoza Huertas LIFE km 0** in the municipal website and follow us in the following platforms and social networks:



<http://www.zaragoza.es/ciudad/medioambiente/huertas/>



(+34) 976 72 42 41 / 976 72 42 30



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