

Organic activities map

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OBJETIVOS / OBJETIVES

Our research focuses on understanding the relationships between the sustainable food system stakeholders.

To do so we depart from a descriptive analysis of the organic sector in the region of Comunitat Valenciana (Spain) using the authorised regional certifier, Comité d'Agricultura Ecològica de la Comunitat València (CAECV).

The main aim is trying to detect possible Localized Agrifood Systems (LAS) together with analysing the policies applied to organic agriculture to find their causes and consequences.

Ultimately, we also intend to enrich the research with a comparative analysis with another region/s with similar characteristics.

METODOLOGÍA / METHODOLOGY

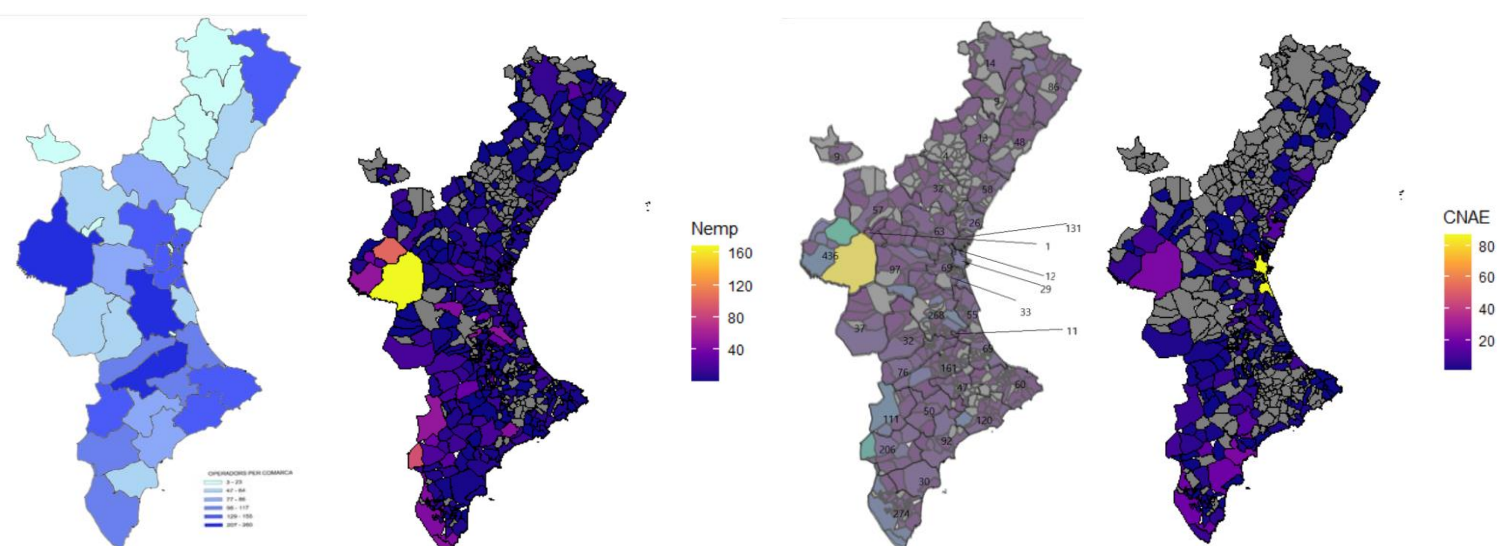
Using data on organic operators from the Comité d'Agricultura Ecològica de la Comunitat Valenciana (CAECV) we connect the ZIP code of each certified operator with the municipal code of the Instituto Nacional de Estadística (INE) to which it belongs.

Then, using a .SHP map from the National Centre for Geographic Information (CNIG) (CNIG, 2020) we assign the density of these operators on the map of the Valencian Community using an R and the package ggplot2 (R Core Team, 2021; Wickham, 2016) script, separating it by provinces for greater clarity in the data.

With this we can compare our map with the maps made by CAECV in 2015 for the first application of the "Pla Valencià de Producció Ecològica 2016-2020" (I PVPE), and the data obtained through statistical data for organic production (MAPA, 2020).

Through this comparison we can get a first glimpse of the evolution of the organic sector in the Valencian Community throughout the life of the plan.

GRÁFICOS Y TABLAS / GRAPHS TEXT



Certified operators in CV

Year	2015	2020
Operators	2.420	3.861 (+12.39% *A/G)
Land Surface	77.014 ha	146.757 ha (+17.49% *A/G)
Operators (no production)	199	532 (+27.87% *A/G)

* A/G: annualised growth

RESULTADOS/ RESULTS

Comparing the two maps, even if the map from 2015 is based on counties and the map for this year is based on municipalities, we can observe how organic operators are distributed in the territory.

We can clearly see that there is a concentration of organic activity in five counties that account 39% of the existing operators. Further analysis allows us to verify the differences in location between activities (production, processing, and sales activities).

As can be seen in the differences between the distribution of general operators and the CNAE activities (which practically exclude production activities).

In the graphs: (from left to right) distribution of organic operators by counties 2015 (I PVPE, 2016), distribution of organic operators by municipalities 2019, combined map for 2019 (counties-municipalities) finally, map for CNAE activities distribution.

CONCLUSIONES/ CONCLUSIONS

Exists a clear upward trend in the number of organic operators from 2015, the last year before the I PVPE, to 2019. While it is true that this trend is general and tells us little about the usefulness of the plan. The fact of linking trends and the territory is essential to establish how this growth is being, its composition and explanatory for the causes and effects of the applied policies. These are the first steps towards an in-depth analysis that will allow us to provide new information in the filed of public policies applied to the incentive of organic agribusiness.

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