

# **WE OFFER TECHNICAL ASSISTANCE IN THE DEVELOPMENT AND IMPLEMENTATION OF THE ENVIRONMENTAL STRATEGY TO THE BILBAO CITY COUNCIL**

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**Since 2019, Naidier has offered the Bilbao City Council a technical assistance service in the implementation and development of the Bilbao Environmental Strategy.** In these three years of relationship, the main task has consisted of developing the methodologies and tools for calculating the Base Line and the three Lines of Action contemplated by the strategy: Carbon neutrality; Adaptation and Resilience to Climate Change; and Environmental Health. In addition, during this time other functions have also been carried out, such as the evaluation of the Sustainable Energy Action Plan (PAES), the Green Public Procurement Report (CCPV), the Environmental Positioning Report (IPA), the Ecological Footprint Report, in addition to general advice on environmental and sustainability issues that are the responsibility of the institution.

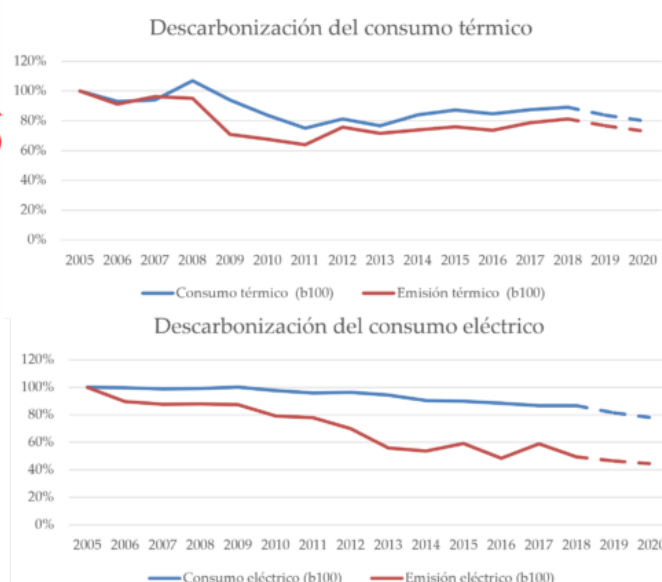
To be able undertake the magnitude of the developments of the measurement system of the Line Base an important work of organization of the information was carried out, structuring a panel of indicators of very diverse nature and origin of the data. In the tasks of organizing the information, we work in collaboration with BilbaoTIK, a municipal public company that manages all information technology services, in line with the process of digitization/smartization in which the City Council is immersed. The result is an important table of indicators with historical data of the municipality that allow us to know the evolution of areas such as energy, mobility, air quality, population affected by noise, waste, areas green, among many others.

## EL CONSUMO ELÉCTRICO SE VA DESCARBONIZANDO CON EL TIEMPO

Tanto el consumo como las emisiones se han visto reducidos en el año 2020 respecto al 2005

	CONSUMO	EMISIONES
TÉRMICO	-29%	-42%
ELÉCTRICO	-31%	-63%

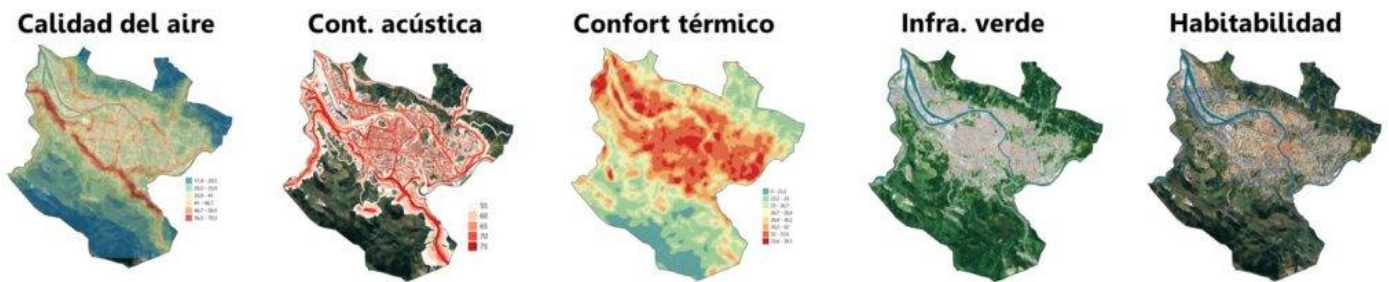
\*se estima una bajada del 30% de las emisiones energéticas y un 26% las eléctricas entre 2019 y 2020 debido a la pandemia, como queda recogido en el informe del BC3 para el Observatorio de Transición ecológica y acción climática OTE.



< /figure>

In parallel, made the calculations of the absorption capacity of CO<sub>2</sub>, and of the emissions with the objective of knowing the carbon balance of the municipality and respond to the evaluation and follow-up of the CO<sub>2</sub> Neutrality Line of Action. From there, the details of the emissions were deepened to respond to the PAES, and begin to propose a new Energy Plan with the ambition of reaching the objectives set by Europe.

Moving on the Lines of Action proceeded to develop a risk measurement system in the face of Climate Change based on the Panel's methodology Intergovernmental Climate Change (IPCC) for Flood episodes and Heat Waves. The developed tool allows to observe the risk of geographically, indicating in small grids of 20 meters by 20 meters different levels of risk, threat, exposure, sensitivity and adaptation.



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### The Third Axis

of Environmental Health has been prepared following the reports of the European Agency Environment (EEA) on the health implications of the air and noise pollution, ambient temperature, presence and accessibility to green areas, and habitability of housing. Through these indicators have been made maps with the information detailed in census sections that has been correlated with the risk relative mortality from diseases and gender, identifying that there is a Correlation between a worse Environmental Quality and a higher Risk of Mortality.

These last

months we have been preparing a diagnosis of the Green Infrastructure, identify existing cores, nodes, and connectors that make up the frame green area of the city and that in the future should be reinforced in a strategy to face environmental challenges environmental challenges (quality air, noise, temperature, trees, green areas) of the city.

With this

work we have been able to display all of Naider's knowledge in these matters and soak up the municipal reality in a close and rewarding way.

**There are no comments yet.**