

Valladolid Mission

Valladolid Climate Change Strategy



Ayuntamiento de
Valladolid



VALLADOLID
ciudad amiga

Valladolid is strongly committed to both climate neutrality and becoming a more resilient and better prepared city. As part of our commitment by signing the Covenant of Mayors in 2011, our city has been carrying out greenhouse gas inventories since then, acting as a pioneer in understanding the importance of knowing our own contribution to a global problem and thus making it possible to also be part of its solution.

Our commitment to climate neutrality and adaptability goes even further than a SECAP (Sustainable Energy and Climate Action Plan) strategy; that is to say, it is necessary to integrate all the actors and all the sectors in a holistic planning approach. This approach aims to transform our city through access to data and, in particular, by helping our citizens to promote these local processes of deep transformation of behaviours and quality of life.

Climate commitment: For our citizens and with our citizens

The Plenary of the City Council agreed on November 30, 2021 the Roadmap for the implementation of the European "Mission 100 on Smart and Climate Neutral Cities", highlighting the ambition and commitment to achieve the objective of climate neutrality of the city in the year 2030.

Our ambition on climate neutrality and adaptation, based on the use of data and citizen engagement and participation, is established under 4 key pillars: climate neutrality, adaptive capacity, digitalization and with our citizens at the center of the equation (Figure 1).

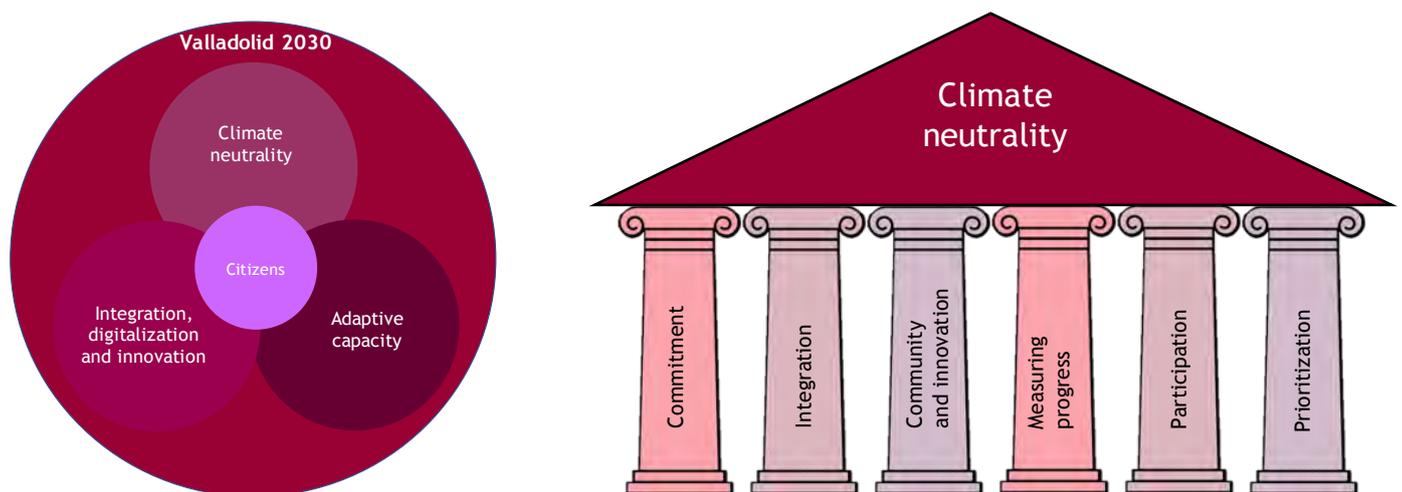


Figure 1. Pillars and principles to achieve climate neutrality and a resilient Valladolid.

INTEGRATION - Strengthening governance for local transformation

The Strategy is broken down into four levels of governance. On the one hand, it uses the priorities of the European Missions on climate-neutral cities and adaptation communities (what we have called the institutional governance level TYPE A: EUROPE), complemented at the next level with national-level plans and measures that are anticipated to be necessary at the local level in the National Plan for Adaptation to Climate Change 2021-2023 (PNACC) and the National Integrated Energy and Climate Plan (PNIEC) (TYPE B: NATIONAL).

On the other hand, an in-depth review of the documents and plans in force in Valladolid (TYPE C: LOCAL) is carried out, which allows integrating the actions already in place in the municipality and that connect directly with climate neutrality and the capacity to adapt.

Finally, a specific line of action in the future that will give rise to concrete measures that will be generated thanks to a participatory process with the different areas of the city council and with the interested parties and the population (TYPE D: CO-DESIGN).



¹This table only indicates the lines of action with the potential highest impact, in the report we include the full 150 lines of actions in 9 clusters.

Climate Change Strategy in a nutshell

Table 1 shows the proposed lines of action with the potential highest impact on climate neutrality, and how these lines of action will contribute mainly to adaptation/mitigation or both¹.

Table 1. Summary table of all clusters and lines of action with high potential impact

Cluster	Institutional Level	Source	Action Line	Impact on Climate Neutrality	Type
CLIMATE, WATER RESOURCES AND DISASTER MANAGEMENT	D: Co-design	EMACC	Development of an efficient and sustainable city model in the use of water	High	Adaptation / Mitigation
	A: European	European Mission: smart and climate neutral cities	Redistribution of surplus food and leftover food	High	Mitigation
	A: European	European Mission: smart and climate neutral cities	Reuse of sludge in wastewater for agricultural use, providing organic matter and nutrients.	High	Mitigation
	C: Local	AUVA2030; INNOLID (2020)	Urban redefinition of infrastructure and services in accordance with the principles of environmental sustainability, including the improvement of the urban environment and the reduction of pollution.	High	Mitigation
NATURAL SYSTEMS, NATURAL CAPITAL, AGRICULTURE AND LIVESTOCK	C: Local	Valladolid Food Strategy (2018)	Protection and revitalization of the productive potential of the agricultural soils of Valladolid and its alfoz, with a perspective of sustainability	High	Adaptation / Mitigation
	C: Local	AUVA2030	Organize the land in a way that is compatible with its territorial environment	High	Adaptation / Mitigation
	C: Local	AUVA 2030	Conserve and enhance the natural and cultural heritage, and protect the landscape	High	Adaptation / Mitigation
	D: Co-design local	EMACC	Urban greening and enhancement of urban parks and green areas	High	Adaptation / Mitigation
	D: Co-design local	EMACC	Protect orchards as a vulnerable sector in the face of climate change and highlighting the benefits these brings	High	Adaptation / Mitigation
	D: Co-design local	EMACC	Promote the conservation of biodiversity and management of forest cover in the municipality	High	Adaptation / Mitigation

CITY, URBAN PLANNING AND BUILDINGS	A: Europa	European Mission: smart and climate neutral cities	Encompass new initiatives and projects through nature-based solutions and other green and blue infrastructure	High	Adaptation / Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Integrate the Circular Economy for sustainable production and consumption within urban water, waste, mobility and energy policies	High	Adaptation / Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Promote positive energy buildings	High	Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Energy renovation of existing buildings below the level of Nearly Zero Energy Buildings (EECN)	High	Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Promote Near Zero or Positive Energy districts	High	Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Improvement in the management of biodegradable municipal waste	High	Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Municipal waste prevention	High	Mitigation
	A: Europa	European Mission: smart and climate neutral cities	Implement a progressive rate in increasing blocks in the use of water, both for households and for companies, to stimulate savings in both water and sewage and treatment	High	Mitigation
	C: Local	INNOLID (2020)	Rehabilitate aging public infrastructures with new supplies (lighting, water, energy) betting on renewables.	High	Mitigation
	C: Local	Action Plan for Sustainable Energy in Valladolid	Increased solar dependence for air conditioning and heating of public buildings	High	Mitigation

	C: Local	Local Agenda 2016-2020	Make a rational use of energy in municipal buildings, improve energy efficiency with measures aimed at reducing consumption and promoting renewable energies to achieve emission savings.	High	Mitigation	
	C: Local	Local Agenda (2016-2020)	Adopt a sustainable city model that promotes measures to improve efficiency in buildings such as District Heating and green roofs.	High	Mitigation	
	C: Local	Action Plan for Sustainable Energy in Valladolid	Reduce the consumption of electrical energy in interior lighting of buildings and public lighting, and in homes and homes, reduce electricity consumption, reduce primary energy consumption in heating.	High	Mitigation	
	C: Local	Local Agenda (2016-2020)	Prepare an Action Plan for Urban Rehabilitation, Regeneration and Renewal, which schedules interventions of different sizes throughout the city, with a long-term calendar.	High	Adaptation / Mitigation	
	C: Local	AUVA2030	Incorporate criteria in urban management aimed at promoting the sustainable cycle of materials and resources within the framework of the circular economy	High	Mitigation	
	C: Local	AUVA2030	Implement waste management plans, or equivalent, with the aim of increasing the percentage of selective collection and recycling	High	Mitigation	
	D: Co-design local	EMACC	Promover la eficiencia energética y descarbonización en la edificación	High	Mitigation	
	MOBILITY	A: Europa	European Mission: smart and climate neutral cities	Implement Mobility-as-a-Service (MaaS) in city planning and travel.	High	Mitigation
		A: Europa	European Mission: smart and climate neutral cities	Encourage the sustainable mobility of business fleets through public-private mechanisms.	High	Mitigation
A: Europa		European Mission: smart and climate neutral cities	Modal shift towards sustainable means of transport, including infrastructure and digitization of services.	High	Mitigation	
C: Local		AUVA 2030; Local Agenda (2016-2020); Sustainable Energy Plan	Favor the city of proximity.	High	Adaptation / Mitigation	
C: Local		Local Agenda (2016-2020)	Increased participation of public transport in the modal distribution compared to trips made by car, with a multimodal conception of the mobility system.	High	Mitigation	

	C: Local	Action Plan for Sustainable Energy in Valladolid	Reduction of traffic flow and modification of current internal mobility patterns, to reduce CO2 emissions	High	Mitigation	
	C: Local	Comprehensive Plan for Sustainable and Safe Urban Mobility of the City of Valladolid (2021)	Improvement of the Urban Distribution of Merchandise	High	Mitigation	
	C: Local	Valladolid Ciudad Verde (2020); Plan Integral de Movilidad Urbana Sostenible y Segura de la Ciudad de Valladolid	Boost non-motorized modes	High	Mitigation	
	C: Local	Local Agenda (2016-2020)	Plan the green belt of Valladolid establishing pedestrian routes and bike lanes.	High	Adaptation /Mitigation	
	C: Local	Valladolid Bicycle Master Plan (subject to review)	Implement the network proposal and design features of the cycling network	High	Mitigation	
	C: Local	Local Agenda (2016-2020)	Achieve an equitable distribution of public space and improve coexistence between all modes of transport, recovering the prominence of the pedestrian in front of the car.	High	Mitigation	
	D: Co-design	EMACC	Promotion of low-emission mobility (public transport and electric vehicles)	High	Mitigation	
	D: Co-design	EMACC	Improvement of cycling mobility.	High	Mitigation	
	ENERGY	A: European	European Mission: smart and climate neutral cities	Promote the design and implementation of virtual power plants	High	Mitigation
		A: European	European Mission: smart and climate neutral cities	Installation of solar panels in wastewater and drinking water treatment plants	High	Mitigation
B: National		PNACC (2021)	Management of changes in electricity demand associated with climate change	High	Adaptation /Mitigation	
B: National		PNIEC (2021)	Development of self-consumption with renewables and distributed generation	High	Mitigation	
B: National		PNIEC (2021)	Local energy communities	High	Mitigation	
B: National		PNIEC (2021)	Public procurement of renewable energy	High	Mitigation	
B: National		PNIEC (2021)	Promotion of renewable gases	High	Mitigation	
B: National		PNIEC (2021)	Framework for the development of thermal renewable energies	High	Mitigation	

	B: National	PNIEC (2021)	Just Transition Strategy	High	Adaptation /Mitigation
	B: National	PNIEC (2021)	Promotion of the proactive role of citizens in decarbonization	High	Mitigation
	B: National	PNIEC (2021)	Technological renewal plan in existing electricity generation projects with renewable energies	High	Mitigation
	C: Local	Action Plan for Sustainable Energy in Valladolid	Reduction of the carbon footprint from the burning of fossil fuels	High	Mitigation
	C: Local	Action Plan for Sustainable Energy in Valladolid	Continue the deployment of the municipal solar plan, installing solar thermal support systems in public buildings that require a continuous supply of domestic hot water.	High	Mitigation
	D: Co-design	EMACC	More efficient energy management	High	Mitigation
INDUSTRY, SERVICES FINANCIAL SYSTEM AND INSURANCE ACTIVITY	C: Local	Local Agenda (2016-2020)	Carry out savings and internal rationalization in the use of resources, in accordance with the principles and applications of sustainable development, reducing the consumption of electricity, paper and fuel of municipal vehicles.	High	Mitigation
	C: Local	Local Agenda 2016-2020	Adopt fiscal measures that encourage sustainability	High	Adaptation /Mitigation
TOURISM AND CULTURAL HERITAGE	B: National	PNACC	Definition of tourism models that are more sustainable and more resilient to the impacts of climate change	High	Adaptation / Mitigation
	B: National	PNACC	Promotion of conscious cultural tourism, adapted to climate change and low in carbon	High	Adaptation / Mitigation
EDUCATION, RESEARCH AND SOCIETY	A: European	European Mission: smart and climate neutral cities	Establish new forms of management and direction to enable open innovation procedures and creativity in the development of urban policies.	High	Adaptation / Mitigation
	A: European	European Mission: smart and climate neutral cities	Co-creation, acceleration and transfer of innovative projects with an impact on climate neutrality under public-private collaboration model	High	Adaptation / Mitigation
	C: Local	INNOLID (2020); Valladolid Food Strategy (2018)	Development of an urban model based on healthy habits	High	Mitigation
	C: Local	AUVA2030	Promote the knowledge society and advance towards the development of smart cities.	High	Adaptation / Mitigation
	D: Co-design	EMACC	Raise awareness among citizens in relation to the risks and possible actions associated with Climate Change	High	Adaptation

Climate Change Strategy and EU Mission “100 climate-neutral and smart cities by 2030”

THE STRENGTHENING OF OUR ADAPTIVE CAPACITY

Identified as one of the pillars of this strategy, in with the EU Adaptation Strategy and the Paris agreement. Adaptive capacity is highlighted as a fundamental area where local administrations can act to strengthen capacities locally. The objectives for strengthening adaptive capacity are:



1. Maintain and improve meteorological observation for early warning of adverse weather and climate phenomena, as well as warning and communication services to prevent possible associated impacts.
2. Promote preventative actions against the risks derived from excess temperatures on health and well being.
3. Identify and promote sustainable adaptation practices, which pursue multiple objectives, in terms of water use and management, as well as extreme events.
4. Incorporate climate change adaptation criteria into the strategic planning of the different sectors, including support and reinforcement of climate change adaptation capacities in public administrations and other key sectors and agents like e.g. insurance and finance.
5. Promote access to information, awareness and effective communication on the impacts and risks arising from climate change and ways to avoid or limit them.

EMISSIONS-REDUCTION CONTRIBUTION

In the strategy, all lines of action, grouped into clusters, have been assessed, making an initial estimate of the impact on the reduction of emissions, classifying them into high, medium, low or Not applicable impact levels.

Many of the lines of action identified, especially those from local plans, have also identified, in their corresponding local plans, the calculation of emission reductions.

But it will be in the definition of the Operational plan, as well as the selection of the lines of action arising from the co-creation process where the specific emission reduction indicators will be established.

CITIZENSHIP AS A KEY ELEMENT OF CLIMATE ACTION

Between March and April 2020, **a survey was carried out to find out the perception of citizens on climate change**, as a participation tool to collect citizen suggestions to improve the measures to be implemented in the Strategy. The results of the survey can be consulted in Annex V of the Strategy.

Some interesting data

The perception of whether it is a serious problem in Valladolid, 47% of the people surveyed state that it is very serious and 33% quite serious, so we can say that the citizens of Valladolid are aware of the reality of climate change and express their concern.

The perception of the consequences that the inhabitants of Valladolid have on climate change has been analyzed. In terms of what our citizens think are the impacts that climate change will have in the future, in order of probability, citizens believe that the increase in temperatures and longer periods of drought are the impacts that are most likely to occur, followed by an increase in respiratory diseases, an increase in fires, an increase in people with allergies, loss of cultivation and desertification that have a percentage greater than 50% in the "very likely" category.

We can affirm that, according to the majority of the inhabitants of Valladolid, climate change exists, is already happening and is already having negative effects that will increase in the coming years. This survey was followed by some initial workshops bringing together the different areas in our city, together with other stakeholders to start to reflect on a city Roadmap of initiatives.

This Climate Change Strategy is designed to continue this **participatory process that will be at the core of our operational plan.**

The specific initiatives will emerge from a citizen and stakeholder engagement process to convert this current Strategy into the Operational Plan with specific measures.

In this way, our city demonstrates a reciprocal political commitment, from the representatives and institutions of the city to the citizens and vice versa. A contract between the city of Valladolid and its citizens that will be duly formalized. Our citizens promote policies towards a transformative change in the model of production and consumption and, ultimately, of working, moving and living in the city and its surrounding area, the "alfoz". A new governance model that requires intense collaboration between all stakeholders. Therefore, the design of the operational plan will be based on innovative mechanisms to involve citizens and other interested parties (workshops, data, citizen assemblies, social probes, etc.).

BEST PRACTICES AND CO-CREATION PROCESS

The lines of action that have been generated and the specific initiatives and measures that will be developed in the future grounded on a participatory process with the different areas of the city council and with the interested parties and the population, will have the objective of proposing more concrete and detailed climate neutrality and adaptation measures. In this way, other measures identified that are being carried out by other cities will be considered and that will serve as inspiration for the city of Valladolid to co-design additional measures that arise from a more long-term process of participation and co-creation.

More information

Full document: [Valladolid Climate Change Strategy](#)

Levels **Documents consulted**

International [Paris agreement \(2015\)](#)

European [European Climate Law \(2021\)](#)
[Forging a climate-resilient Europe - the new EU Strategy on Adaptation to Climate Change \(2021\)](#)

Fit for 55 package (2021)

https://ec.europa.eu/commission/presscorner/detail/en/IP_21_3541

National

National Plan of Climate Change Adaptation 2021-2030 ([Plan Nacional de Adaptación al Cambio Climático 2021-2030 \(PNACC\)](#))

Integrated National Plan of Energy and Climate 2021-2030 ([Plan Nacional Integrado de Energía y Clima 2021-2030 \(PNIEC\)](#))

Local

Action plan for Circular Economy of Valladolid ([Plan de Acción de Economía Circular de Valladolid \(2022\)](#))

Innovation and Smart City Plan - SmartVA! ([Plan de Innovación y Ciudad Inteligente SmartVA! \(2022\)](#))

Integral Plan of Sustainable and Secure Urban Mobility of Valladolid city ([Plan Integral de Movilidad Urbana Sostenible y Segura de la Ciudad de Valladolid \(PIMUSSVA\) \(2021\)](#))

Valladolid Urban Agenda ([Agenda Urbana de Valladolid 2030 \(AUVA 2030\) \(2021\)](#))

Air Quality Improvement plan ([Plan de Mejora de la Calidad del Aire \(2021\)](#))

Tourism Strategic Plan of Valladolid 2021-2023 ([Plan Estratégico de Valladolid de Turismo 2021- 2023 "Avanzando el futuro"](#))

Woodland director plan of Valladolid City ([Plan Director del Arbolado de la ciudad de Valladolid \(2021\)](#))

Integrated Sustainable Urban Development Strategy ([Estrategia de Desarrollo Urbano Sostenible Integrado \(EDUSI\) INNOLID \(2020\)](#))

General Plan of Urban Ordinance of Valladolid ([Plan General de Ordenación Urbana de Valladolid \(PGOU\) \(2020\)](#))

Valladolid Green City - Network of Sustainable Roads ([Valladolid Ciudad Verde - Red de Vía Sostenibles \(2020\)](#))

Valladolid Food Strategy 2019-2023 ([Estrategia Alimentaria de Valladolid 2019-2023 \(2019\)](#))

Diagnostic and Action Plan on Public Transport accessibility in urban buses in Valladolid ([Diagnóstico y Plan de Actuación sobre la accesibilidad al transporte público en los autobuses urbanos de Valladolid \(2018\)](#))

Action Plan in situations of alert due to the urban air contamination in Valladolid ([Plan de Acción en situaciones de alerta por contaminación del aire urbano en Valladolid \(2017\)](#))

Emergency plan facing drought situations for the urban provision of Valladolid ([Plan de emergencias ante situaciones de sequía para el abastecimiento urbano de Valladolid \(2017\)](#))

Sustainability indicators (2016) - Valladolid Local Agenda 21 ([Indicadores de sostenibilidad \(2016\) - Agenda Local 21 de Valladolid](#))

Local Agenda 21. Fifth Action Plan ([Agenda Local 21. V Plan de Acción 2016 - 2020 \(2016\)](#))

Plan de Acción para la Energía Sostenible de Valladolid ([Plan de Acción para la Energía Sostenible de Valladolid \(2012\)](#))

Territorial Civil Protection Plan of the municipality of Valladolid - Basic Plan ([Plan Territorial de Protección Civil del municipio de Valladolid - Plan Básico \(2008\)](#))

Flooding of land in Valladolid ([Inundabilidad de terrenos en Valladolid \(2005\)](#))



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Valladolid is a member of the Spanish citiES2030 platform

